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May 6, 2015

Ms. Julie Woosley, Chief
Hazardous Waste Section
Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646

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

Dear Ms. Woosley:

Enclosed with this letter is the *Remedial Investigation Report* that was prepared for the former DuPont Brevard Site located in Cedar Mountain, North Carolina.

The State and DuPont have agreed to work towards the eventual transfer of the Site property to the State, via the NC Department of Agriculture and Consumer Services. To facilitate the transfer of the Site in a safe, timely, and efficient manner, DuPont and the State have agreed to complete the remaining remedial activities under the State's Risk-Based Remediation of Industrial Sites pursuant to N.C.G.S. 130A-310.65 to 310.77 (House Bill 45 or the "Risk Bill"). This report was prepared in accordance with Section 130A-310.69 of the Risk Bill.

If you have any questions or need additional information please feel free to contact me at 704-362-6626.

Sincerely,

Jamie VanBuskirk
Project Director
DuPont Corporate Remediation Group

cc: Mark Wilkins – Hazardous Waste Section, NCDENR
Joe Hudyncia – Environmental Program Specialist, NCDA&CS
File

PARSONS

REMEDIAL INVESTIGATION REPORT

DUPONT BREVARD FACILITY

CEDAR MOUNTAIN, NORTH CAROLINA

Prepared for:

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

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ACRONYMS

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

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

1.0 INTRODUCTION

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

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

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

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

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

This report is organized into the following sections:

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

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

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

1.1 Overall Site Remediation Goals

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

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

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

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

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

1.2 Final Investigation Project Objectives

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

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

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

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

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2.0 SITE OVERVIEW

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

2.1 Site Location and Boundaries

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

2.2 Site Background

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

2.2.1 Plant Site Operations

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

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

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

2.2.2 Regulatory History

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

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

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

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

2.3 Previous Investigations

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

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

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

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

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

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

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

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

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

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

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

Remaining Phase III activities (site wide) were continued in fall 2008. These activities included the installation of bedrock and residuum[2] groundwater monitoring wells, groundwater and surface water sampling, former manufacturing area investigations, background soil sampling, and vapor intrusion activities. On February 3, 2009, DuPont submitted the *Phase III RFI Project Update* letter to summarize the completed *Phase III RFI Work Plan* activities and completion of each proposed modification to the original work plan objectives. Results and conclusions drawn from these activities are discussed in the *Phase III RFI Report*, which was submitted on September 30, 2009.

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

2.3.1 Historical Documents

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

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

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

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

2.3.2 SWMU and AOC Summary

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

2.4 Demolition and Removal Activities

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

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

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

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

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

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

[3] NPDES – National Pollutant Discharge Elimination System

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

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

2.5 Completed Interim Remedial Measures

2.5.1 NCDSRF Visitor Center Interim Remedial Measure

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

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

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

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

2.5.2 SWMU 11 and SWMU 14 Interim Measure Activities

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

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

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

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

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

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

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

2.6 Physical Setting

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

2.6.1 Regional Physical Setting

Regional Climate

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

Regional Geology

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

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

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

Regional Hydrogeology

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

2.6.2 Local Physical Setting

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

Site Topography

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

Site Geology

Overburden

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

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

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

Residuum

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

Saprolite

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

Partially Weathered Rock

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

Bedrock

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

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

Site Hydrogeology

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

Groundwater Elevations

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

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

Surficial Aquifer

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

Bedrock Aquifer

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

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

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

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

Surface Water

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

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3.0 FIELD INVESTIGATION ACTIVITIES

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

3.1 Historical Field Activities

3.1.1 Monitoring Well and Piezometer Installations

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

RFI Phase I Installations:

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

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

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

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

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

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

RFI Phase II Installations:

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

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

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

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

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

RFI Phase III Installations:

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

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

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

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

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

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

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

Final Field Investigation:

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

3.1.2 GORE-SORBER® Sampling

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

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

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

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

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

3.1.3 Vapor Intrusion Sampling

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

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

3.1.4 Historical Groundwater, Surface Water, and Soil Sampling

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

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

3.2 Final Remedial Field Investigation

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

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

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

3.2.1 Site-Wide Surface Soil Sampling

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

Incremental Soil Sampling

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

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

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

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

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

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

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

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

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

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

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

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

Discrete Surface Soil Sampling

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

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

SWMU 14 Soil Sampling

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

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

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

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

Additional Soil Sampling

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

Surface Cover Investigation

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

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

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

3.2.2 Groundwater Investigation

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

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

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

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

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

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

3.2.3 Surface Water, Sediment, and Pore Water Investigation

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

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

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

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

Surface Water Sampling Methodology

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

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

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

Sediment Sampling Methodology

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

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

Pore Water Sampling Methodology

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

3.2.4 Field Quality Assurance/Quality Control Sampling

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

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

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

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

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

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

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

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

3.2.5 Verification of Downgradient Drinking Water Receptors

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

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

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4.0 DATA EVALUATION

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

4.1 Confirmation/Identification of COPCs

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

4.1.1 Soil

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

4.1.2 Groundwater

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

4.1.3 Surface Water

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

[4] NCAC – North Carolina Administrative Code

4.1.4 Sediment

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

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

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

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

4.2 Development of Site-Specific RLs

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

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

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

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

5.0 FINAL FIELD INVESTIGATION RESULTS DISCUSSION

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

5.1 Soil

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

5.1.1 Incremental Sampling Methodology Soil Results

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

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

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

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

$$UCL = \bar{X} + t_{(1-\alpha)(r-1)} \times \frac{S_{\bar{X}}}{\sqrt{r}}$$

Where

$\bar{X}$ = *arithmetic mean of all samples*

$S_{\bar{X}}$ = *standard deviation of all ISM samples*

r = *number of ISM samples*

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

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

The Chebyshev UCL is calculated using the formula below:

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

Where

$\bar{X}$ = *arithmetic mean of all samples*

$S_{\bar{X}}$ = *standard deviation of all ISM samples*

r = *number of ISM samples*

$\alpha = 0.05$

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

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

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

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

5.1.2 Surface Cover Investigation

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

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

5.2 Groundwater

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

5.3 Surface Water

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

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

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

5.4 Sediment

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

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

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

5.5 Pore Water

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

5.6 Receptor Well Survey

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

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

6.0 CAMU SAMPLING

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

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

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

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

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

6.1.1 CAMU Project Objectives

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

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

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

6.1.2 CAMU Field Activities

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

Sampling Activities

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

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

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

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

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

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

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

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

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

CAMU Groundwater Elevations

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

6.2 CAMU Sampling Results

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

6.2.1 CAMU Groundwater Sampling Results

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

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

6.2.2 CAMU Surface Water Sampling Results

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

6.3 CAMU Data Evaluation Approach

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

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

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

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

6.3.1 Comparison to Groundwater Standards

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

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

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

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

No inorganic constituents were detected above screening criteria.

[1] NCAC – North Carolina Administrative Code

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

6.3.2 Intra-Well Trend Analysis

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

6.3.3 Evaluation of Potential Groundwater Receptors

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

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

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

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

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

6.3.4 CAMU Data Evaluation Conclusions

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

7.0 UPDATED SITE CONCEPTUAL MODEL

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

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

The SCM includes four primary elements:

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

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

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

7.1 Identification and Characterization of Source Areas

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

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

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

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

Constituent concentrations in soil and groundwater were used to determine whether a unit was a potential source to groundwater. Potential releases to groundwater were confirmed in the vicinity of SWMUs 4, 11, 12, 13, 14, 15, 16, and 17 and the former manufacturing area[5]. SWMU and AOC locations are detailed in Figure 2.

7.2 Identification of COPCs

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

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

7.2.1 Soil COPCs – Direct Contact Pathways

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

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

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

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

Surface Soil

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

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

Dowtherm		PCBs	
Analyte	**Unit**	**Analyte**	**Unit**
Biphenyl	***FMA***	***PCB 1242***	***FMA***

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

Also above industrial

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

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

Also above industrial

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

Subsurface Soil

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

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

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

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

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

Also above industrial

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

7.2.2 Soil COPCs – Migration to Groundwater Pathways

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

VOCs

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

Dowtherm®

- Biphenyl
- Diphenyl Ether

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

7.2.3 Groundwater COPCs

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

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

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

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

Surficial Aquifer

VOCs

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

SVOCs

- 1,4-Dioxane

Dowtherm®

- 1,1’-Biphenyl
- Diphenyl ether

Inorganics

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

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

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

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

Bedrock Aquifer

VOCs

- PCE
- TCE
- Vinyl chloride

SVOCs

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

Dowtherm®

- Diphenyl ether

Inorganics

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

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

Site Water Supply Wells

VOCs

- TCE

Inorganics

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

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

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

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

7.2.4 Indoor Air COPCs

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

- PCE
- TCE
- Vinyl chloride

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

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

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

7.2.5 Surface Water COPCs

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

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

Protection of Human Health

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

Protection of Ecological Receptors

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

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

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

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

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

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

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

7.2.6 Sediment COPCs

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

Protection of Human Health

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

SVOCs

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

Inorganics

- Arsenic
- Iron
- Manganese
- Thallium

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

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

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

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

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

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

Protection of Ecological Receptors

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

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

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

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

VOCs

- 1,1-Dichloroethane
- Acetone
- Carbon disulfide

SVOCs

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

Inorganics

- Iron
- Lead
- Manganese
- Selenium
- Silver

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

Further evaluation of these COPECs is presented in Section 7.7.

7.3 Definition of Primary Transport Mechanisms

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

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

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

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

7.4 Identification of Potential Receptors and Exposure Points

An exposure pathway consists of the following:

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

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

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

7.4.1 Potential Receptors

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

Surface water bodies at and adjacent to the Site[7] include Little River, Lake DERA and DERA Creek. The Little River is classified by NCDENR as Class C fresh surface water (aquatic propagation and survival, fishing, wildlife, secondary recreation, and agricultural use). In addition, the Little River has a supplemental classification of Class TR (Trout Waters - intended to protect freshwaters for natural trout propagation and survival of stocked trout).

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

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

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

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

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

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

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

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

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

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

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

7.5 Potentially Complete Human Health Exposure Pathways

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

7.5.1 Surface Soil

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

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

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

7.5.2 Subsurface Soil

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

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

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

7.6 Incomplete Human Health Exposure Pathways

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

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

7.6.1 Subsurface Soil

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

7.6.2 Groundwater

Surficial Aquifer

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

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

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

Bedrock Aquifer

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

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

7.6.3 Indoor Air

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

7.6.4 Surface Water

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

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

7.6.5 Sediment

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

7.7 Ecological Evaluation

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

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

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

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

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

7.7.1 Surface Water

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

Iron

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

Manganese

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

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

7.7.2 Sediment

Thirteen (13) COPECs were identified for further refinement.

Metals

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

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

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

VOCs

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

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

SVOCs

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

7.8 Site-Specific Remedial Level Evaluation

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

RLs were developed for the following:

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

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

7.8.1 Site-Specific Groundwater Remedial Levels

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

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

Table 26 provides a comparison of the derived ACLs to the maximum detected concentration in site-wide groundwater and POC locations[8]. These ACLs are considered

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

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

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

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

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

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

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

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

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

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

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

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

Table 29 provides a comparison of Site surface soil data to the RL range. As shown in the table, only one COPC (benzo[a]pyrene) in the discrete soil data set had a UCL above the low end of the RL range (based on a HQ=1 and a target risk of $1x10^{-6}$). The COPC exceedance was observed in one historic SWMU 16 waste sample collected from a depth of 1-5 ft bgs. No benzo[a]pyrene exceeds of the lowest RLs were observed in 2014 surface soil samples collected from the SWMU. The UCL was within the mid RL range (based on a HQ=1 and a target risk of $1x10^{-5}$).

One additional PAH (7,12-dimethylbenz[a]anthracene) had an exceedance in one historical discrete surface soil sample collected from AOC A above the mid RL range, but within the upper end RL range (based on a HQ=1 and a target risk of $1x10^{-4}$). In addition, the constituent was not detected in 2014 ISM sampling conducted in the area.

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

8.0 CONCLUSIONS AND RECOMMENDATIONS

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

8.1 Conclusions

General Overall Site Conclusions

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

Soil

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

Ground Water

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

Surface Water

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

Pore Water

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

Sediment

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

Data Evaluation

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

8.2 Recommendations

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

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

9.0 REFERENCES

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TABLES

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

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

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

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

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

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

Table 1
SWMU/AOC Summary Table
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Unit Number	Unit Name	Unit Description	Dates of Operation
AOC D	Jet Water Cooling Tower	Unit used to circulate water potentially contaminated with acid aldehyde vapors and other catalysts.	Unknown - Early 1990s
AOC E	Silver Recovery Transfer Line	An underground transfer line that runs from the R&D building along the west side of the manufacturing building to the Save-all silver recovery unit.	Unknown - Early 1990s
AOC F	Construction and Demolition Disposal Area	Disposal area located in the northeast corner of the Site near SWMU4	July 25, 1996 - December 2, 2005
AOC G	Former Sand Blasting Area	Area located off the southeastern corner of the polishing pond and north of the construction area; used in the sand blasting of metal parts relating to construction and maintenance activities.	Early 1970s - 1996
AOC H	Glycol Satellite Storage Tanks	Consists of two triethylene glycol storage tanks located adjacent to the south side of the manufacturing building, east of the courtyard for the administration building. The area was observed to be lined with concrete materials.	Early 1970s - 2002
AOC I	Powerhouse Gravel Area	A graveled area along the southeastern corner of the powerhouse located on the south side of the manufacturing building. This area was used to generate steam for the manufacturing process through the combustion of natural gas and fuel oils.	1950s - 2005
AOC J	Dowtherm Vaporizers Area	Located on the south side of the manufacturing building along the powerhouse, these vaporizers were used to super heat the Dowtherm, which acted as a heat transfer medium during the polymerization process of the polyester manufacturing process.	Early 1970s - 2002
AOC K	Glycol Hot Well Area	Located on the south side of the manufacturing building, the hot wells were used to super heat glycol materials used in the polymerization process.	Early 1970s - 2002

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

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

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

Table 2
Water Level Elevations Measurements
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Well ID	Date	TOC Elevation	Current DTB	Current DTW	Time	Groundwater Elevation
SG-01	NS	2565.53	NS	NS	NS	#VALUE!
SG-02	NS	2535.78	NS	NS	NS	#VALUE!
SG-03	NS	2520.15	NS	NS	NS	#VALUE!
SG-04	NS	2524.04	NS	NS	NS	#VALUE!
SG-05	NS	2527.21	NS	NS	NS	#VALUE!
WSW-CMPGND 9036	11/03/2014	2588.43		19.00	1353	2569.43
WSW-DSF3	NS	2521.90	NS	NS	NS	#VALUE!
WSW-GUARD 9038	11/03/2014	2551.88	NR	10.18	1249	2541.70
WSW-VISIT	11/03/2014	2645.00	NR	79.44	1342	2565.56
WSW-WWT 9047	11/03/2014	2548.45	NR	18.41	1240	2530.04
WSW-YMCA	11/03/2014	2588.43	NR	10.89	1305	2577.54

Notes:
(NR) = Not Recorded
(NS) = Not Sampled

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table 6A
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

Table 6A
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	MA-SS-1	MA-SS-2	MA-SS-2	MA-SS-3	MA-SS-4	MA-SS-5	MA-SS-6
					Field Sample ID	SSP14-MA-SS-1	SSP14-MA-SS-2	SSP14-MA-SS-2-D	SSP14-MA-SS-3	SSP14-MA-SS-4	SSP14-MA-SS-5	SSP14-MA-SS-6
					Date Sampled	12/02/2014	12/02/2014	12/02/2014	12/03/2014	12/02/2014	12/03/2014	12/02/2014
					Sample Purpose	FS	FS	DUP	FS	FS	FS	FS
Volatile Organic Compounds												
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.0010 J**
Acetone	67-64-1	MG/KG	12000	100000		**0.0100 J**	**0.0370**	**0.0390**	**0.0260**	**0.0280**	**0.0260**	**0.0470**
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00060	<0.00060	<0.00060	<0.00060	<0.00050	<0.00060	<0.00050
Carbon Disulfide	75-15-0	MG/KG	150	700		**0.0040 J**	**0.0010 J**	<0.0010	**0.0010 J**	<0.0010	**0.0040 J**	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0050	<0.0040	<0.0050	<0.0050	<0.0040	<0.0050	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0020	**0.0020 J**	**0.0030 J**	<0.0020
Semivolatile Organic Compounds												
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0190	<0.0970 UJ	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0190	<0.0970	**0.1500 J**	<0.0190	<0.0980	<0.0190	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	46	600		**0.0080 J**	**0.5500 J**	**3.2000 J**	**0.0050 J**	**0.7500**	**0.0860**	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	**0.0250 J**	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0190	**0.28**	**0.32**	<0.0190	**0.32**	**0.082**	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0190	<0.0970	**0.3100**	<0.0190	<0.0980	<0.0190	<0.0190
Acenaphthene	83-32-9	MG/KG	700	9000		**0.052**	**2.5000 J**	**4.9000 J**	**0.038**	**4**	**0.6**	<0.0040
Acenaphthylene	208-96-8	MG/KG	700	9000		**0.0150 J**	**1.5000 J**	**1.1**	**0.0120 J**	**0.37**	**0.093**	<0.0040
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	**0.0350 J**	<0.0190
Anthracene	120-12-7	MG/KG	3400	46000		**0.15**	**9.1**	**12**	**0.11**	**8.8**	**1.5**	**0.0060 J**
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		**0.51**	**22**	**32**	**0.42**	**19**	**5.1**	**0.028**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		**0.66**	**22**	**32**	**0.53**	**20**	**6.3**	**0.049**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		**0.38**	**11**	**11**	**0.3**	**7.9**	**2.9**	**0.0190 J**
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		**0.25**	**9**	**9.5**	**0.22**	**6.4**	**1.8**	**0.0100 J**
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29		**0.49**	**17**	**18**	**0.39**	**14**	**4**	**0.032**
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.1900	<0.9700	<0.9700	<0.1900	<0.9800	**0.4200 J**	<0.1900
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0750	**0.5000 J**	<0.3900	<0.0760	<0.3900	**0.48**	<0.0770
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	**0.1600 J**	<0.0770
Chrysene	218-01-9	MG/KG	15	290		**0.47**	**19**	**20**	**0.39**	**17**	**4.4**	**0.026**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		**0.099**	**3.1000 J**	**3.5**	**0.06**	**3**	**0.84**	**0.0080 J**
Dibenzofuran	132-64-9	MG/KG	14	200		**0.0280 J**	**1.2000 J**	**4.6000 J**	<0.0190	**2.2**	**0.28**	<0.0190
Fluoranthene	206-44-0	MG/KG	460	6000		**1**	**58**	**71**	**0.78**	**48**	**9.6**	**0.04**
Fluorene	86-73-7	MG/KG	460	6000		**0.058**	**4.1000 J**	**8.6000 J**	**0.039**	**4.4**	**0.58**	<0.0040
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		**0.33**	**10**	**11**	**0.25**	**8.1**	**2.8**	**0.023**
Naphthalene	91-20-3	MG/KG	3.8	17		**0.0170 J**	**0.6400 J**	**7.3000 J**	**0.0070 J**	**1.2**	**0.2**	<0.0040
Phenanthrene	85-01-8	MG/KG	3400	46000		**0.62**	**36**	**56**	**0.42**	**36**	**5.5**	**0.0180 J**
Phenol	108-95-2	MG/KG	3600	50000		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190
Pyrene	129-00-0	MG/KG	340	4600		**0.82**	**41**	**48**	**0.65**	**23**	**7.2**	**0.034**
Dowtherm												
Biphenyl	92-52-4	MG/KG	9.4	40		**0.1100**	**0.4300 J**	**0.9800 J**	<0.0190	**0.3300**	**0.8800**	<0.0190
Diphenyl Ether	101-84-8	MG/KG	2700	19000		**0.4800**	**0.5000**	**0.4100**	**0.0570**	**0.3000**	**3.8000**	<0.0190

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	MA-SS-1	MA-SS-2	MA-SS-2	MA-SS-3	MA-SS-4	MA-SS-5	MA-SS-6
					Field Sample ID	SSP14-MA-SS-1	SSP14-MA-SS-2	SSP14-MA-SS-2-D	SSP14-MA-SS-3	SSP14-MA-SS-4	SSP14-MA-SS-5	SSP14-MA-SS-6
					Date Sampled	12/02/2014	12/02/2014	12/02/2014	12/03/2014	12/02/2014	12/03/2014	12/02/2014
					Sample Purpose	FS	FS	DUP	FS	FS	FS	FS
Polychlorinated Biphenyls												
PCB 1248	12672-29-6	MG/KG	1.0	1.0		<0.00370	<0.00380	<0.0190	<0.00380	<0.00390	**0.7000**	<0.00380
PCB 1254	11097-69-1	MG/KG	1.0	1.0		**0.0170 J**	**0.2400 J**	**0.1900 J**	**0.0120 J**	**0.0820**	**0.4300**	<0.00380
PCB 1260	11096-82-5	MG/KG	1.0	1.0		**0.00860 J**	<0.00570	<0.0290	<0.00560	**0.0220**	**0.1400**	<0.00560
Inorganics												
Antimony	7440-36-0	MG/KG	6.2	94		**0.393 J**	**0.859**	**0.619 J**	**1.52**	**0.491**	**5.83**	**0.148 J**
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		**1.31 J**	**2.95 J**	**2.84**	**5.48 J**	**3.10 J**	**2.64 J**	**2.42 J**
Barium	7440-39-3	MG/KG	3000	44000		**104**	**48.3**	**55.7**	**107**	**49.9**	**68.2**	**51.3**
Beryllium	7440-41-7	MG/KG	32	460		**0.902 J**	**1.14 J**	**1.26**	**1.00 J**	**1.26**	**1.28**	**1.29**
Cadmium	7440-43-9	MG/KG	14	200		**0.0891 J**	**0.395 J**	**0.302 J**	**0.252 J**	**0.483 J**	**0.747 J**	<0.0373
Chromium	7440-47-3	MG/KG	24000	100000		**6.27**	**12.3**	**11.8**	**9.71**	**8.28**	**14.2**	**4.13**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		**2.46**	**2.99**	**3.24**	**4.04**	**3.06**	**3.70**	**5.07**
Copper	7440-50-8	MG/KG	620	9400		**8.26 J**	**14.1 J**	**13.8**	**18.8 J**	**9.88 J**	**30.8 J**	**6.22 J**
Lead	7439-92-1	MG/KG	400	800		**19.1 J**	**16.7 J**	**16.6**	**15.0 J**	**16.4 J**	**34.2 J**	**11.6 J**
Mercury	7439-97-6	MG/KG	4.6	70		**0.0146 J**	**0.0607 J**	**0.0491 J**	**0.0239 J**	**0.0600 J**	**0.0541 J**	**0.0137 J**
Nickel	7440-02-0	MG/KG	300	4400		**23.5**	**9.89**	**8.26**	**9.65**	**5.66**	**6.21**	**5.37**
Selenium	7782-49-2	MG/KG	78	1200		**0.251 J**	**0.586 J**	**0.501 J**	**0.715 J**	**0.594 J**	**0.424 J**	**0.691 J**
Silver	7440-22-4	MG/KG	78	1200		**0.536 J**	**36.5**	**34.5**	**5.47**	**21.7**	**6.57**	<0.215
Thallium	7440-28-0	MG/KG	0.16	2.4		**0.336 J**	**0.350 J**	**0.320**	**0.488 J**	**0.372 J**	**0.341 J**	**0.638 J**
Tin	7440-31-5	MG/KG	9400	100000		**3.11 B**	**3.03 B**	**3.71 B**	**3.43 B**	**3.52 B**	**4.50 B**	**2.94 B**
Vanadium	7440-62-2	MG/KG	78	1200		**9.07**	**17.5**	**19.4**	**28.1**	**20.5**	**16.8**	**18.9**
Zinc	7440-66-6	MG/KG	4600	70000		**50.3 J**	**175 J**	**182 J**	**101 J**	**112 J**	**236 J**	**48.7 J**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value. *Value for phenanthrene is anthracene*

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

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	MA-SS-7	SWMU13-SS-1	SWMU13-SS-10	SWMU13-SS-2	SWMU13-SS-3
					Field Sample ID	SSP14-MA-SS-7	SSP14-SWMU13-SS-1	SSP14-SWMU13-SS-10	SSP14-SWMU13-SS-2	SSP14-SWMU13-SS-3
					Date Sampled	12/02/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
1,1-Dichloroethene	75-35-4	MG/KG	46	200		**0.0190**	<0.00090	<0.0010	<0.0010	<0.00090
Acetone	67-64-1	MG/KG	12000	100000		**0.0520**	**0.0520**	**0.0570**	**0.1000**	**0.0770**
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00060	<0.00050	<0.00050	<0.00060	<0.00050
Carbon Disulfide	75-15-0	MG/KG	150	700		**0.0050 J**	<0.00090	<0.0010	<0.0010	**0.0010 J**
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0050	<0.0040	<0.0040	<0.0050	**0.0040 J**
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0030	<0.0020	<0.0020	**0.0050 J**	<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Trichlorofluoromethane	75-69-4	MG/KG	150	620		**0.0250**	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	46	600		**0.0950**	<0.0040	**0.0230**	**0.0330**	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		**0.0200 J**	<0.0190	<0.0200	<0.0200	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190
Acenaphthene	83-32-9	MG/KG	700	9000		**0.31**	**0.0070 J**	**0.24**	**0.21**	<0.0040
Acenaphthylene	208-96-8	MG/KG	700	9000		**0.2**	**0.0120 J**	**0.023**	**0.036**	**0.0040 J**
Acetophenone	98-86-2	MG/KG	1600	2500		**0.0260 J**	<0.0190	<0.0200	<0.0200	<0.0190
Anthracene	120-12-7	MG/KG	3400	46000		**0.92**	**0.0170 J**	**0.57**	**0.5**	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		**1.7**	**0.09**	**2.5**	**1.8**	**0.0160 J**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		**2**	**0.13**	**3**	**2.2**	**0.032**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		**0.95**	**0.064**	**1.5**	**1.1**	**0.0140 J**
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		**0.73**	**0.048**	**1.4**	**0.89**	**0.0120 J**
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29		**1.5**	**0.094**	**2.3**	**1.6**	**0.024**
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.1900	<0.1900	<0.2000	<0.2000	<0.1900
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0770	<0.0760	<0.0810	<0.0790	<0.0760
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0770	<0.0760	<0.0810	<0.0790	<0.0760
Chrysene	218-01-9	MG/KG	15	290		**1.5**	**0.095**	**2.4**	**1.7**	**0.0160 J**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		**0.28**	**0.0150 J**	**0.47**	**0.27**	**0.0070 J**
Dibenzofuran	132-64-9	MG/KG	14	200		**0.26**	<0.0190	**0.085**	**0.094**	<0.0190
Fluoranthene	206-44-0	MG/KG	460	6000		**3.7**	**0.16**	**4.4**	**3.6**	**0.0140 J**
Fluorene	86-73-7	MG/KG	460	6000		**0.53**	**0.0090 J**	**0.26**	**0.24**	<0.0040
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		**0.93**	**0.059**	**1.5**	**1**	**0.0130 J**
Naphthalene	91-20-3	MG/KG	3.8	17		**0.19**	**0.0040 J**	**0.043**	**0.074**	<0.0040
Phenanthrene	85-01-8	MG/KG	3400	46000		**3.2**	**0.073**	**2.6**	**2.2**	**0.0050 J**
Phenol	108-95-2	MG/KG	3600	50000		<0.0190	**0.0240 J**	<0.0200	<0.0200	<0.0190
Pyrene	129-00-0	MG/KG	340	4600		**2.8**	**0.13**	**3.8**	**2.7**	**0.0140 J**
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40		**0.0350 J**	<0.0190	<0.0200	<0.0200	<0.0190
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	MA-SS-7	SWMU13-SS-1	SWMU13-SS-10	SWMU13-SS-2	SWMU13-SS-3
					Field Sample ID	SSP14-MA-SS-7	SSP14-SWMU13-SS-1	SSP14-SWMU13-SS-10	SSP14-SWMU13-SS-2	SSP14-SWMU13-SS-3
					Date Sampled	12/02/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
					Sample Purpose	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0		<0.00380				
PCB 1254	11097-69-1	MG/KG	1.0	1.0		**0.0540**				
PCB 1260	11096-82-5	MG/KG	1.0	1.0		**0.0280**				
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		**0.171 J**	<0.0958 UJ	**0.191 J**	<0.100 UJ	<0.0975 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		**2.09 J**	**1.39**	**4.90 J**	**2.69**	**2.85**
Barium	7440-39-3	MG/KG	3000	44000		**45.3**	**29.5**	**30.1**	**85.4**	**18.4**
Beryllium	7440-41-7	MG/KG	32	460		**1.29**	**0.921 J**	**0.745 J**	**1.12 J**	**0.547 J**
Cadmium	7440-43-9	MG/KG	14	200		**0.0994 J**	**0.0919 J**	**0.156 J**	**0.154 J**	**0.0589 J**
Chromium	7440-47-3	MG/KG	24000	100000		**4.50**	**3.63**	**12.2**	**9.12**	**10.1**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		**3.51**	**1.95**	**1.76**	**4.56**	**1.22**
Copper	7440-50-8	MG/KG	620	9400		**21.3 J**	**3.96**	**8.69**	**6.36**	**5.26**
Lead	7439-92-1	MG/KG	400	800		**12.6 J**	**8.89 J**	**20.8 J**	**18.8 J**	**10.7 J**
Mercury	7439-97-6	MG/KG	4.6	70		**0.0350 J**	**0.0277 J**	**0.152 J**	**0.0458 J**	**0.0586 J**
Nickel	7440-02-0	MG/KG	300	4400		**2.98**	**12.8**	**41.3**	**26.9**	**20.2**
Selenium	7782-49-2	MG/KG	78	1200		**0.534 J**	**0.275 J**	**0.528 J**	**0.461 J**	**0.439 J**
Silver	7440-22-4	MG/KG	78	1200		**7.47**	<0.216	<0.231	<1.13	<0.219
Thallium	7440-28-0	MG/KG	0.16	2.4		**0.407 J**	**0.156 J**	**0.234 J**	**0.190 J**	**0.155 J**
Tin	7440-31-5	MG/KG	9400	100000		**3.13 B**	**2.78 B**	**3.99 B**	**3.76 B**	**3.22 B**
Vanadium	7440-62-2	MG/KG	78	1200		**13.8**	**9.59**	**20.7**	**20.2**	**21.1**
Zinc	7440-66-6	MG/KG	4600	70000		**72.6 J**	**20.4**	**15.3**	**21.8**	**14.9**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-6	SWMU13-SS-7
					Field Sample ID	SSP14-SWMU13-SS-3-D	SSP14-SWMU13-SS-4	SSP14-SWMU13-SS-5	SSP14-SWMU13-SS-6	SSP14-SWMU13-SS-7
					Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
					Sample Purpose	DUP	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.00090	<0.0010	<0.0010	**0.0250**	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	12000	100000		**0.0600**	**0.0350**	**0.0390**	**0.0280**	**0.0550**
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00050	<0.00050	<0.00050	<0.00060	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700		**0.00090 J**	**0.0010 J**	<0.0010	**0.0020 J**	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.00090	<0.0010	<0.0010	**0.0020 J**	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0040	<0.0040	<0.0040	<0.0050	<0.0050
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020	<0.0020	**0.0090**
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.00090	<0.0010	<0.0010	**0.0040 J**	**0.0080**
Toluene	108-88-3	MG/KG	820	820		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.00090	<0.0010	<0.0010	**0.0020 J**	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.00090	<0.0010	<0.0010	**0.0130**	**0.0030 J**
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	46	600		<0.0040	<0.0040	<0.0040	**0.0040 J**	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
Acenaphthene	83-32-9	MG/KG	700	9000		<0.0040	<0.0040	<0.0040	**0.053**	**0.0170 J**
Acenaphthylene	208-96-8	MG/KG	700	9000		<0.0040	<0.0040	<0.0040	**0.0120 J**	<0.0040
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
Anthracene	120-12-7	MG/KG	3400	46000		<0.0040	<0.0040	<0.0040	**0.14**	**0.042**
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		**0.0120 J**	**0.0100 J**	**0.0140 J**	**0.82**	**0.17**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		**0.023**	**0.022**	**0.034**	**1.3**	**0.24**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		**0.0150 J**	**0.0150 J**	**0.02**	**0.64**	**0.12**
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		**0.0120 J**	**0.0110 J**	**0.0120 J**	**0.43**	**0.082**
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29		**0.0180 J**	**0.0190 J**	**0.021**	**0.86**	**0.17**
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.1900	<0.1900	<0.2000	<0.1900	<0.2000
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0770	<0.0780	<0.0780	<0.0760	<0.0800
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0770	<0.0780	<0.0780	<0.0760	<0.0800
Chrysene	218-01-9	MG/KG	15	290		**0.0120 J**	**0.0100 J**	**0.0150 J**	**0.9**	**0.16**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		**0.0060 J**	**0.0050 J**	**0.0070 J**	**0.15**	**0.028**
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
Fluoranthene	206-44-0	MG/KG	460	6000		**0.0100 J**	**0.0080 J**	**0.0180 J**	**1.6**	**0.34**
Fluorene	86-73-7	MG/KG	460	6000		<0.0040	<0.0040	<0.0040	**0.051**	**0.0180 J**
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		**0.0150 J**	**0.0130 J**	**0.02**	**0.61**	**0.11**
Naphthalene	91-20-3	MG/KG	3.8	17		<0.0040	<0.0040	<0.0040	**0.0090 J**	<0.0040
Phenanthrene	85-01-8	MG/KG	3400	46000		<0.0040	**0.0040 J**	**0.0070 J**	**0.68**	**0.18**
Phenol	108-95-2	MG/KG	3600	50000		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
Pyrene	129-00-0	MG/KG	340	4600		**0.0090 J**	**0.0080 J**	**0.0170 J**	**1.3**	**0.26**
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0190	<0.0190	<0.0200	**0.0740**	<0.0200
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0190	<0.0190	<0.0200	**0.1100**	<0.0200

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-6	SWMU13-SS-7
					Field Sample ID	SSP14-SWMU13-SS-3-D	SSP14-SWMU13-SS-4	SSP14-SWMU13-SS-5	SSP14-SWMU13-SS-6	SSP14-SWMU13-SS-7
					Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
					Sample Purpose	DUP	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		<0.0942 UJ	**0.110 J**	<0.0969 UJ	**0.306 J**	<0.0997 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		**2.77**	**2.60**	**2.49**	**1.60**	**2.04**
Barium	7440-39-3	MG/KG	3000	44000		**17.2**	**24.5**	**29.3**	**40.5**	**23.2**
Beryllium	7440-41-7	MG/KG	32	460		**0.510 J**	**0.656 J**	**0.708 J**	**0.765 J**	**0.962 J**
Cadmium	7440-43-9	MG/KG	14	200		**0.0714 J**	**0.0627 J**	**0.0998 J**	**0.0920 J**	**0.150 J**
Chromium	7440-47-3	MG/KG	24000	100000		**9.59**	**8.98**	**9.12**	**5.70**	**6.24**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		**1.21**	**1.47**	**1.56**	**2.38**	**2.27**
Copper	7440-50-8	MG/KG	620	9400		**4.77**	**4.91**	**5.28**	**5.42**	**4.48**
Lead	7439-92-1	MG/KG	400	800		**9.85 J**	**10.8 J**	**12.5 J**	**11.0 J**	**11.7 J**
Mercury	7439-97-6	MG/KG	4.6	70		**0.0484 J**	**0.0632 J**	**0.0556 J**	**0.0307 J**	**0.0471 J**
Nickel	7440-02-0	MG/KG	300	4400		**15.1**	**24.4**	**12.0**	**30.1**	**36.0**
Selenium	7782-49-2	MG/KG	78	1200		**0.367 J**	**0.281 J**	**0.374 J**	**0.267 J**	**0.399 J**
Silver	7440-22-4	MG/KG	78	1200		<0.212	<0.221	<0.218	**0.506 J**	<0.224
Thallium	7440-28-0	MG/KG	0.16	2.4		**0.139 J**	**0.154 J**	**0.194 J**	**0.151 J**	**0.233 J**
Tin	7440-31-5	MG/KG	9400	100000		**2.97 B**	**3.38 B**	**3.22 B**	**2.86 B**	**3.83 B**
Vanadium	7440-62-2	MG/KG	78	1200		**19.7**	**18.6**	**20.1**	**13.2**	**15.2**
Zinc	7440-66-6	MG/KG	4600	70000		**14.6**	**14.2**	**17.0**	**26.2**	**22.3**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU13-SS-8	SWMU13-SS-9	SWMU14-SS-1	SWMU14-SS-10	SWMU14-SS-2
					Field Sample ID	SSP14-SWMU13-SS-8	SSP14-SWMU13-SS-9	SSP14-SWMU14-SS-1	SSP14-SWMU14-SS-10	SSP14-SWMU14-SS-2
					Date Sampled	12/11/2014	12/11/2014	12/12/2014	12/12/2014	12/12/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Acetone	67-64-1	MG/KG	12000	100000		**0.0290**	**0.0760**	**0.0160 J**	**0.0260**	**0.0150 J**
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00050	<0.00060	<0.00050	<0.00050	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700		<0.0010	<0.0010	<0.0010	<0.00090	**0.0020 J**
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0040	<0.0050	<0.0040	<0.0040	<0.0050
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8		**0.0010 J**	<0.0010	<0.0010	<0.00090	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
2-Methylnaphthalene	91-57-6	MG/KG	46	600		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
Acenaphthene	83-32-9	MG/KG	700	9000		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acenaphthylene	208-96-8	MG/KG	700	9000		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
Anthracene	120-12-7	MG/KG	3400	46000		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		**0.0170 J**	**0.02**	**0.0100 J**	**0.0050 J**	**0.0040 J**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		**0.029**	**0.035**	**0.0120 J**	**0.0150 J**	**0.0080 J**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		**0.0140 J**	**0.0190 J**	**0.0080 J**	**0.0150 J**	**0.0070 J**
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		**0.0130 J**	**0.0120 J**	**0.0070 J**	**0.0060 J**	**0.0050 J**
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29		**0.0170 J**	**0.023**	**0.0100 J**	**0.0140 J**	**0.0060 J**
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.2000	<0.1900	<0.1900	<0.2000	<0.1800
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0780	<0.0770	<0.0760	<0.0790	<0.0740
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0780	<0.0770	<0.0760	<0.0790	<0.0740
Chrysene	218-01-9	MG/KG	15	290		**0.021**	**0.021**	**0.0090 J**	**0.0090 J**	**0.0050 J**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		**0.0050 J**	**0.0090 J**	**0.0050 J**	**0.0050 J**	<0.0040
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
Fluoranthene	206-44-0	MG/KG	460	6000		**0.04**	**0.037**	**0.0110 J**	<0.0040	**0.0040 J**
Fluorene	86-73-7	MG/KG	460	6000		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		**0.0110 J**	**0.0170 J**	**0.0080 J**	**0.0120 J**	**0.0050 J**
Naphthalene	91-20-3	MG/KG	3.8	17		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Phenanthrene	85-01-8	MG/KG	3400	46000		**0.0170 J**	**0.0160 J**	**0.0050 J**	<0.0040	<0.0040
Phenol	108-95-2	MG/KG	3600	50000		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
Pyrene	129-00-0	MG/KG	340	4600		**0.034**	**0.032**	**0.0110 J**	**0.0050 J**	<0.0040
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40		**0.0380 J**	<0.0190	<0.0190	<0.0200	<0.0180
Diphenyl Ether	101-84-8	MG/KG	2700	19000		**0.0630**	<0.0190	<0.0190	<0.0200	<0.0180

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU13-SS-8	SWMU13-SS-9	SWMU14-SS-1	SWMU14-SS-10	SWMU14-SS-2
					Field Sample ID	SSP14-SWMU13-SS-8	SSP14-SWMU13-SS-9	SSP14-SWMU14-SS-1	SSP14-SWMU14-SS-10	SSP14-SWMU14-SS-2
					Date Sampled	12/11/2014	12/11/2014	12/12/2014	12/12/2014	12/12/2014
					Sample Purpose	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		**0.271 J**	<0.0971 R	<0.0959 R	**0.173 J**	<0.0932 R
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		**2.08 J**	**2.11 J**	**2.59 J**	**3.90 J**	**1.57 J**
Barium	7440-39-3	MG/KG	3000	44000		**34.9**	**85.1**	**74.6**	**26.0**	**85.3**
Beryllium	7440-41-7	MG/KG	32	460		**0.827 J**	**0.676 J**	**1.27**	**0.757 J**	**1.44**
Cadmium	7440-43-9	MG/KG	14	200		**0.0885 J**	**0.118 J**	**0.108 J**	**0.126 J**	**0.0872 J**
Chromium	7440-47-3	MG/KG	24000	100000		**5.30**	**5.47**	**2.45 J**	**9.34**	**2.56 J**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		**2.57**	**4.87**	**2.66**	**1.92**	**2.43**
Copper	7440-50-8	MG/KG	620	9400		**4.94**	**8.56**	**2.77**	**5.02**	**1.72 J**
Lead	7439-92-1	MG/KG	400	800		**12.4 J**	**17.9 J**	**9.07 J**	**15.9 J**	**5.72 J**
Mercury	7439-97-6	MG/KG	4.6	70		**0.0335 J**	**0.0404 J**	<0.0112	**0.0474 J**	<0.0107
Nickel	7440-02-0	MG/KG	300	4400		**19.1**	**14.0**	**18.4**	**11.7**	**39.1**
Selenium	7782-49-2	MG/KG	78	1200		**0.371 J**	**0.406 J**	**0.474 J**	**0.533 J**	**0.366 J**
Silver	7440-22-4	MG/KG	78	1200		**0.338 J**	<0.218	<0.216	<0.226	<0.210
Thallium	7440-28-0	MG/KG	0.16	2.4		**0.190 J**	**0.104 J**	**0.444 J**	**0.278 J**	**0.471 J**
Tin	7440-31-5	MG/KG	9400	100000		**3.05 B**	**2.75 B**	**2.82 B**	**3.56 B**	**2.60 B**
Vanadium	7440-62-2	MG/KG	78	1200		**12.2**	**13.0**	**12.1**	**24.0**	**12.0**
Zinc	7440-66-6	MG/KG	4600	70000		**21.7**	**16.3**	**26.2**	**16.6**	**24.4**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU14-SS-3	SWMU14-SS-4	SWMU14-SS-5	SWMU14-SS-6	SWMU14-SS-7
					Field Sample ID	SSP14-SWMU14-SS-3	SSP14-SWMU14-SS-4	SSP14-SWMU14-SS-5	SSP14-SWMU14-SS-6	SSP14-SWMU14-SS-7
					Date Sampled	12/12/2014	12/12/2014	12/12/2014	12/12/2014	12/11/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	12000	100000		<0.0080	**0.0170 J**	**0.0120 J**	**0.0100 J**	**0.0200**
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00060	<0.00060	<0.00050	<0.00070	<0.00050
Carbon Disulfide	75-15-0	MG/KG	150	700		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0050	<0.0050	<0.0040	<0.0060	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020	<0.0030	<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0030	<0.0020
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	46	600		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Acenaphthene	83-32-9	MG/KG	700	9000		<0.0040	**0.0080 J**	<0.0040	<0.0040	<0.0040
Acenaphthylene	208-96-8	MG/KG	700	9000		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Anthracene	120-12-7	MG/KG	3400	46000		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		**0.0080 J**	**0.0090 J**	**0.0060 J**	<0.0040	<0.0040
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		**0.0150 J**	**0.0140 J**	**0.0100 J**	**0.0050 J**	**0.0060 J**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		**0.0080 J**	**0.0100 J**	**0.0080 J**	**0.0050 J**	**0.0060 J**
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		**0.0050 J**	**0.0080 J**	**0.0060 J**	<0.0040	<0.0040
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29		**0.0110 J**	**0.0120 J**	**0.0090 J**	**0.0050 J**	**0.0060 J**
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.2000	<0.2200	<0.2100	<0.2000	<0.2000
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0800	<0.0860	<0.0820	<0.0800	<0.0790
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0800	<0.0860	<0.0820	<0.0800	<0.0790
Chrysene	218-01-9	MG/KG	15	290		**0.0100 J**	**0.0080 J**	**0.0050 J**	<0.0040	<0.0040
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		**0.0050 J**	<0.0040	<0.0040	<0.0040	<0.0040
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Fluoranthene	206-44-0	MG/KG	460	6000		**0.0120 J**	**0.0150 J**	**0.0080 J**	<0.0040	<0.0040
Fluorene	86-73-7	MG/KG	460	6000		<0.0040	**0.0070 J**	<0.0040	<0.0040	<0.0040
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		**0.0070 J**	**0.0090 J**	**0.0070 J**	**0.0050 J**	**0.0050 J**
Naphthalene	91-20-3	MG/KG	3.8	17		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Phenanthrene	85-01-8	MG/KG	3400	46000		**0.0080 J**	**0.0120 J**	**0.0070 J**	<0.0040	<0.0040
Phenol	108-95-2	MG/KG	3600	50000		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Pyrene	129-00-0	MG/KG	340	4600		**0.0120 J**	**0.0130 J**	**0.0080 J**	<0.0040	<0.0040
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0200	**0.0330 J**	<0.0210	<0.0200	<0.0200

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU14-SS-3	SWMU14-SS-4	SWMU14-SS-5	SWMU14-SS-6	SWMU14-SS-7
					Field Sample ID	SSP14-SWMU14-SS-3	SSP14-SWMU14-SS-4	SSP14-SWMU14-SS-5	SSP14-SWMU14-SS-6	SSP14-SWMU14-SS-7
					Date Sampled	12/12/2014	12/12/2014	12/12/2014	12/12/2014	12/11/2014
					Sample Purpose	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		**0.100 J**	<0.107 R	<0.101 R	<0.102 R	<0.0974 R
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		**1.61 J**	**1.72 J**	**1.48 J**	**1.11 J**	**1.84 J**
Barium	7440-39-3	MG/KG	3000	44000		**44.6**	**45.2**	**47.0**	**25.8**	**54.6**
Beryllium	7440-41-7	MG/KG	32	460		**0.881 J**	**0.926 J**	**0.910 J**	**0.583 J**	**1.24**
Cadmium	7440-43-9	MG/KG	14	200		**0.0817 J**	**0.0966 J**	**0.0768 J**	**0.0638 J**	**0.133 J**
Chromium	7440-47-3	MG/KG	24000	100000		**3.07 J**	**3.28 J**	**2.73 J**	**3.97**	**4.71**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		**2.24**	**2.66**	**2.37**	**1.85**	**3.61**
Copper	7440-50-8	MG/KG	620	9400		**3.06**	**3.54**	**2.84**	**2.58**	**3.65**
Lead	7439-92-1	MG/KG	400	800		**9.94 J**	**8.82 J**	**7.57 J**	**5.68 J**	**9.53 J**
Mercury	7439-97-6	MG/KG	4.6	70		**0.0124 J**	<0.0128	**0.0119 J**	**0.0180 J**	**0.0289 J**
Nickel	7440-02-0	MG/KG	300	4400		**17.4**	**6.13**	**6.31**	**7.08**	**15.3**
Selenium	7782-49-2	MG/KG	78	1200		**0.256 J**	**0.376 J**	**0.319 J**	**0.134 J**	**0.385 J**
Silver	7440-22-4	MG/KG	78	1200		<0.225	<0.241	<0.228	<0.229	<0.219
Thallium	7440-28-0	MG/KG	0.16	2.4		**0.301 J**	**0.404 J**	**0.311 J**	**0.169 J**	**0.326 J**
Tin	7440-31-5	MG/KG	9400	100000		**2.94 B**	**3.24 B**	**2.85 B**	**3.82 B**	**4.18 B**
Vanadium	7440-62-2	MG/KG	78	1200		**12.3**	**13.7**	**12.9**	**13.6**	**20.9**
Zinc	7440-66-6	MG/KG	4600	70000		**22.1**	**19.3**	**19.8**	**14.8**	**28.2**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU14-SS-8	SWMU14-SS-9	SWMU15-SBS-1	SWMU15-SBS-2	SWMU15-SBS-2
					Field Sample ID	SSP14-SWMU14-SS-8	SSP14-SWMU14-SS-9	SSP14-SWMU15-SBS-1	SSP14-SWMU15-SBS-2	SSP14-SWMU15-SBS-2-D
					Date Sampled	12/11/2014	12/12/2014	12/04/2014	12/05/2014	12/05/2014
					Sample Purpose	FS	FS	FS	FS	DUP
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Acetone	67-64-1	MG/KG	12000	100000		**0.0250**	**0.0250**	**0.0320**	**0.0360**	**0.0410**
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00050	<0.00050	**0.0010 J**	<0.00040	<0.00040
Carbon Disulfide	75-15-0	MG/KG	150	700		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0040	<0.0040	<0.0040	<0.0030	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.0010	<0.0010	**0.0010 J**	<0.00080	<0.00090
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	46	600		<0.0040	<0.0040	**0.1600**	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0200	<0.0210	**0.084**	<0.0190	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0200	<0.0210	**0.0230 J**	<0.0190	<0.0190
Acenaphthene	83-32-9	MG/KG	700	9000		<0.0040	<0.0040	**1.1**	<0.0040	<0.0040
Acenaphthylene	208-96-8	MG/KG	700	9000		<0.0040	<0.0040	**0.036**	<0.0040	<0.0040
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
Anthracene	120-12-7	MG/KG	3400	46000		<0.0040	<0.0040	**3.1**	<0.0040	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		<0.0040	**0.0050 J**	**6.8**	**0.019**	**0.0130 J**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		**0.0060 J**	**0.0080 J**	**7.7**	**0.022**	**0.019**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		**0.0060 J**	**0.0080 J**	**4.2**	**0.0140 J**	**0.0130 J**
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		**0.0040 J**	**0.0050 J**	**2.8**	**0.0090 J**	**0.0070 J**
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29		**0.0060 J**	**0.0070 J**	**6**	**0.0170 J**	**0.0170 J**
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.2000	<0.2100	<0.2000	<0.1900	<0.1900
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0790	<0.0820	<0.0820	<0.0760	<0.0760
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0790	<0.0820	<0.0820	<0.0760	<0.0760
Chrysene	218-01-9	MG/KG	15	290		**0.0040 J**	**0.0060 J**	**6.1**	**0.0170 J**	**0.0110 J**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		<0.0040	<0.0040	**1.2**	<0.0040	**0.0050 J**
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0200	<0.0210	**0.52**	<0.0190	<0.0190
Fluoranthene	206-44-0	MG/KG	460	6000		**0.0060 J**	**0.0070 J**	**15**	**0.022**	**0.0100 J**
Fluorene	86-73-7	MG/KG	460	6000		<0.0040	<0.0040	**1.2**	<0.0040	<0.0040
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		**0.0050 J**	**0.0060 J**	**3.9**	**0.0130 J**	**0.0110 J**
Naphthalene	91-20-3	MG/KG	3.8	17		<0.0040	<0.0040	**0.45**	<0.0040	<0.0040
Phenanthrene	85-01-8	MG/KG	3400	46000		**0.0050 J**	**0.0050 J**	**9.7**	**0.0090 J**	<0.0040
Phenol	108-95-2	MG/KG	3600	50000		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
Pyrene	129-00-0	MG/KG	340	4600		**0.0060 J**	**0.0080 J**	**11**	**0.02**	**0.0120 J**
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0200	<0.0210	**0.0820**	<0.0190	<0.0190
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0200	<0.0210	**0.0630**	<0.0190	<0.0190

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU14-SS-8	SWMU14-SS-9	SWMU15-SBS-1	SWMU15-SBS-2	SWMU15-SBS-2
					Field Sample ID	SSP14-SWMU14-SS-8	SSP14-SWMU14-SS-9	SSP14-SWMU15-SBS-1	SSP14-SWMU15-SBS-2	SSP14-SWMU15-SBS-2-D
					Date Sampled	12/11/2014	12/12/2014	12/04/2014	12/05/2014	12/05/2014
					Sample Purpose	FS	FS	FS	FS	DUP
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		<0.0978 R	**0.130 J**	**2.10**	<0.0929	<0.0924 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		**2.00 J**	**2.27 J**	**2.22 J**	**1.34 J**	**1.18**
Barium	7440-39-3	MG/KG	3000	44000		**31.2**	**49.3**	**49.8**	**28.5**	**27.8**
Beryllium	7440-41-7	MG/KG	32	460		**0.840 J**	**1.09 J**	**1.08 J**	**1.00 J**	**1.00 J**
Cadmium	7440-43-9	MG/KG	14	200		**0.0915 J**	**0.0940 J**	**0.290 J**	<0.0363	<0.0361
Chromium	7440-47-3	MG/KG	24000	100000		**4.72**	**3.78**	**8.70**	**3.35**	**2.80 J**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		**2.49**	**2.50**	**3.43**	**1.92**	**1.91**
Copper	7440-50-8	MG/KG	620	9400		**3.37**	**3.40**	**36.7 J**	**2.99 J**	**2.47**
Lead	7439-92-1	MG/KG	400	800		**11.7 J**	**11.0 J**	**30.1 J**	**14.0 J**	**12.1**
Mercury	7439-97-6	MG/KG	4.6	70		**0.0258 J**	**0.0163 J**	**0.0490 J**	**0.0276 J**	**0.0223 J**
Nickel	7440-02-0	MG/KG	300	4400		**18.3**	**8.94**	**7.95**	**2.72**	**2.00 J**
Selenium	7782-49-2	MG/KG	78	1200		**0.316 J**	**0.392 J**	**0.352 J**	**0.236 J**	**0.219 J**
Silver	7440-22-4	MG/KG	78	1200		<0.220	<0.229	**2.68**	<0.209	<0.208
Thallium	7440-28-0	MG/KG	0.16	2.4		**0.242 J**	**0.341 J**	**0.337 J**	**0.228 J**	**0.198 J**
Tin	7440-31-5	MG/KG	9400	100000		**3.10 B**	**3.07 B**	**3.94 B**	**3.25 B**	**3.14 B**
Vanadium	7440-62-2	MG/KG	78	1200		**15.6**	**14.7**	**23.4**	**8.35**	**8.50**
Zinc	7440-66-6	MG/KG	4600	70000		**21.5**	**23.3**	**157 J**	**18.1 J**	**16.5 J**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU15-SBS-4	SWMU15-SBS-5	SWMU15-SS-1	SWMU15-SS-2	SWMU15-SS-3
					Field Sample ID	SSP14-SWMU15-SBS-4	SSP14-SWMU15-SBS-5	SSP14-SWMU15-SS-1	SSP14-SWMU15-SS-2	SSP14-SWMU15-SS-3
					Date Sampled	12/09/2014	12/09/2014	12/04/2014	12/04/2014	12/04/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Acetone	67-64-1	MG/KG	12000	100000		**0.0180 J**	**0.0230**	**0.0230**	**0.0190 J**	<0.4400
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00060	<0.00050	<0.00060	<0.00060	<0.0310
Carbon Disulfide	75-15-0	MG/KG	150	700		**0.0010 J**	<0.0010	<0.0010	<0.0010	<0.0630
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0040	<0.0040	<0.0040	<0.0050	<0.2500
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020	<0.0030	<0.1300
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.0010	<0.0010	**0.0020 J**	<0.0010	<0.0630
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0030	<0.1300
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	46	600		**0.0280**	<0.0040	**0.0300**	**0.0180 J**	**0.0070 J**
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Acenaphthene	83-32-9	MG/KG	700	9000		**0.047**	<0.0040	**0.13**	**0.075**	**0.038**
Acenaphthylene	208-96-8	MG/KG	700	9000		<0.0040	<0.0040	**0.0090 J**	**0.0130 J**	**0.0050 J**
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Anthracene	120-12-7	MG/KG	3400	46000		**0.033**	<0.0040	**0.29**	**0.21**	**0.1**
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		**0.026**	**0.0060 J**	**0.65**	**0.6**	**0.37**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		**0.024**	**0.0070 J**	**0.71**	**0.77**	**0.44**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		**0.0130 J**	**0.0040 J**	**0.35**	**0.34**	**0.23**
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		**0.0150 J**	**0.0060 J**	**0.28**	**0.22**	**0.17**
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29		**0.0180 J**	**0.0050 J**	**0.55**	**0.52**	**0.33**
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.2100	<0.2000	<0.1900	<0.2100	<0.2000
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Chrysene	218-01-9	MG/KG	15	290		**0.026**	**0.0060 J**	**0.53**	**0.5**	**0.3**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		**0.0050 J**	<0.0040	**0.11**	**0.11**	**0.068**
Dibenzofuran	132-64-9	MG/KG	14	200		**0.0330 J**	<0.0200	**0.073**	**0.043**	<0.0200
Fluoranthene	206-44-0	MG/KG	460	6000		**0.084**	<0.0040	**1.2**	**1.1**	**0.68**
Fluorene	86-73-7	MG/KG	460	6000		**0.036**	<0.0040	**0.16**	**0.095**	**0.038**
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		**0.0110 J**	<0.0040	**0.33**	**0.32**	**0.22**
Naphthalene	91-20-3	MG/KG	3.8	17		**0.0180 J**	<0.0040	**0.078**	**0.041**	**0.0090 J**
Phenanthrene	85-01-8	MG/KG	3400	46000		**0.12**	<0.0040	**0.9**	**0.66**	**0.37**
Phenol	108-95-2	MG/KG	3600	50000		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Pyrene	129-00-0	MG/KG	340	4600		**0.065**	**0.0050 J**	**0.97**	**0.86**	**0.53**
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0210	<0.0200	**0.0200 J**	<0.0210	<0.0200
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0210	<0.0200	**0.0220 J**	<0.0210	<0.0200

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU15-SBS-4	SWMU15-SBS-5	SWMU15-SS-1	SWMU15-SS-2	SWMU15-SS-3
					Field Sample ID	SSP14-SWMU15-SBS-4	SSP14-SWMU15-SBS-5	SSP14-SWMU15-SS-1	SSP14-SWMU15-SS-2	SSP14-SWMU15-SS-3
					Date Sampled	12/09/2014	12/09/2014	12/04/2014	12/04/2014	12/04/2014
					Sample Purpose	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		<0.105 UJ	<0.104 UJ	**0.598**	**1.29**	**0.274 J**
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		**1.12**	**1.07**	**1.31 J**	**2.07 J**	**1.55 J**
Barium	7440-39-3	MG/KG	3000	44000		**57.6**	**54.9**	**59.4**	**51.8**	**57.9**
Beryllium	7440-41-7	MG/KG	32	460		**1.11 J**	**1.06 J**	**1.22**	**1.50**	**1.12 J**
Cadmium	7440-43-9	MG/KG	14	200		**0.0909 J**	**0.0780 J**	**0.0484 J**	**0.0831 J**	<0.0388
Chromium	7440-47-3	MG/KG	24000	100000		**4.16**	**4.07**	**6.16**	**10.8**	**4.12**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		**3.84**	**3.74**	**3.74**	**3.46**	**4.42**
Copper	7440-50-8	MG/KG	620	9400		**2.88**	**2.86**	**15.4 J**	**18.6 J**	**7.48 J**
Lead	7439-92-1	MG/KG	400	800		**9.55 J**	**9.02 J**	**15.9 J**	**18.0 J**	**16.6 J**
Mercury	7439-97-6	MG/KG	4.6	70		<0.0121	<0.0123	**0.0319 J**	**0.0369 J**	**0.0262 J**
Nickel	7440-02-0	MG/KG	300	4400		**4.02**	**3.80**	**47.2**	**38.6**	**14.9**
Selenium	7782-49-2	MG/KG	78	1200		**0.252 J**	**0.236 J**	**0.351 J**	**0.728 J**	**0.314 J**
Silver	7440-22-4	MG/KG	78	1200		<0.237	<0.235	<0.219	**0.306 J**	<0.224
Thallium	7440-28-0	MG/KG	0.16	2.4		**0.360**	**0.318**	**0.328 J**	**0.442 J**	**0.445 J**
Tin	7440-31-5	MG/KG	9400	100000		**2.85 B**	**2.89 B**	**3.30 B**	**4.17 B**	**3.06 B**
Vanadium	7440-62-2	MG/KG	78	1200		**13.6**	**15.2**	**15.8**	**24.0**	**17.6**
Zinc	7440-66-6	MG/KG	4600	70000		**30.7**	**29.5**	**130 J**	**103 J**	**50.1 J**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU15-SS-4	SWMU15-SS-5	SWMU16-SS-1	SWMU16-SS-10	SWMU16-SS-10
					Field Sample ID	SSP14-SWMU15-SS-4	SSP14-SWMU15-SS-5	SSP14-SWMU16-SS-1	SSP14-SWMU16-SS-10	SSP15-SWMU16-SS-10
					Date Sampled	12/03/2014	12/03/2014	12/10/2014	12/10/2014	02/10/2015
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.0010	<0.0010		<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0010	<0.0010	<0.0010		<0.0010
Acetone	67-64-1	MG/KG	12000	100000		**0.0230**	**0.0130 J**	**0.0320**		**0.0220 J**
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00050	<0.00050	<0.00050		<0.00050
Carbon Disulfide	75-15-0	MG/KG	150	700		<0.0010	**0.0020 J**	<0.0010		<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.0010	<0.0010		<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.0010	<0.0010		<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0040	<0.0040	<0.0040		<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020		<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.0010	<0.0010	<0.0010		**0.0020 J**
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.0010	<0.0010		<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.0010	<0.0010		<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.0010	<0.0010	<0.0010		<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020		<0.0020
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0200	<0.0190	<0.0190	<0.0190	
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0200	<0.0190	<0.0190	<0.0190	
2-Methylnaphthalene	91-57-6	MG/KG	46	600		<0.0040	<0.0040	<0.0040	<0.0040	
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0200	<0.0190	<0.0190	<0.0190	
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0200	<0.0190	<0.0190	<0.0190	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0200	<0.0190	<0.0190	<0.0190	
Acenaphthene	83-32-9	MG/KG	700	9000		**0.0090 J**	<0.0040	<0.0040	<0.0040	
Acenaphthylene	208-96-8	MG/KG	700	9000		<0.0040	<0.0040	<0.0040	<0.0040	
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0200	<0.0190	<0.0190	<0.0190	
Anthracene	120-12-7	MG/KG	3400	46000		**0.029**	<0.0040	<0.0040	**0.0070 J**	
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		**0.11**	**0.0110 J**	**0.0070 J**	**0.03**	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		**0.15**	**0.025**	**0.02**	**0.044**	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		**0.073**	**0.0170 J**	**0.0160 J**	**0.021**	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		**0.048**	**0.0080 J**	**0.0060 J**	**0.0160 J**	
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29		**0.1**	**0.019**	**0.0140 J**	**0.028**	
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.2000	<0.1900	<0.1900	<0.1900	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0780	<0.0760	<0.0780	<0.0770	
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0780	<0.0760	<0.0780	<0.0770	
Chrysene	218-01-9	MG/KG	15	290		**0.092**	**0.0120 J**	**0.0080 J**	**0.03**	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		**0.023**	**0.0050 J**	**0.0050 J**	**0.0060 J**	
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0200	<0.0190	<0.0190	<0.0190	
Fluoranthene	206-44-0	MG/KG	460	6000		**0.19**	**0.019**	**0.0110 J**	**0.064**	
Fluorene	86-73-7	MG/KG	460	6000		**0.0100 J**	<0.0040	<0.0040	<0.0040	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		**0.068**	**0.0140 J**	**0.0130 J**	**0.0180 J**	
Naphthalene	91-20-3	MG/KG	3.8	17		<0.0040	<0.0040	<0.0040	<0.0040	
Phenanthrene	85-01-8	MG/KG	3400	46000		**0.11**	**0.0100 J**	**0.0060 J**	**0.03**	
Phenol	108-95-2	MG/KG	3600	50000		<0.0200	<0.0190	<0.0190	<0.0190	
Pyrene	129-00-0	MG/KG	340	4600		**0.15**	**0.0170 J**	**0.0110 J**	**0.055**	
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0200	<0.0190	<0.0190	<0.0190	
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0200	<0.0190	<0.0190	<0.0190	

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU15-SS-4	SWMU15-SS-5	SWMU16-SS-1	SWMU16-SS-10	SWMU16-SS-10
					Field Sample ID	SSP14-SWMU15-SS-4	SSP14-SWMU15-SS-5	SSP14-SWMU16-SS-1	SSP14-SWMU16-SS-10	SSP15-SWMU16-SS-10
					Date Sampled	12/03/2014	12/03/2014	12/10/2014	12/10/2014	02/10/2015
					Sample Purpose	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		<0.100	<0.0961	**0.129 J**	**0.194 J**	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		**1.34 J**	**1.26 J**	**1.32 J**	**1.10**	
Barium	7440-39-3	MG/KG	3000	44000		**58.9**	**53.5**	**33.5**	**66.4**	
Beryllium	7440-41-7	MG/KG	32	460		**1.05 J**	**0.920 J**	**0.831 J**	**1.02 J**	
Cadmium	7440-43-9	MG/KG	14	200		<0.0391	<0.0376	**0.112 J**	**0.139 J**	
Chromium	7440-47-3	MG/KG	24000	100000		**3.12 J**	**3.11 J**	**1.82 J**	**3.46**	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		**4.19**	**4.06**	**1.09 J**	**2.06**	
Copper	7440-50-8	MG/KG	620	9400		**3.44 J**	**3.56 J**	**2.59**	**3.16**	
Lead	7439-92-1	MG/KG	400	800		**13.3 J**	**12.0 J**	**16.0 J**	**7.15 J**	
Mercury	7439-97-6	MG/KG	4.6	70		**0.0192 J**	**0.0186 J**	**0.0185 J**	<0.0116	
Nickel	7440-02-0	MG/KG	300	4400		**22.3**	**80.3**	**12.7**	**67.2**	
Selenium	7782-49-2	MG/KG	78	1200		**0.360 J**	**0.293 J**	**0.346 J**	**0.186 J**	
Silver	7440-22-4	MG/KG	78	1200		<0.225	<0.216	<0.215	<0.216	
Thallium	7440-28-0	MG/KG	0.16	2.4		**0.373 J**	**0.364 J**	**0.231 J**	**0.214 J**	
Tin	7440-31-5	MG/KG	9400	100000		**3.06 B**	**2.57 B**	**3.30 B**	**2.88 B**	
Vanadium	7440-62-2	MG/KG	78	1200		**15.3**	**13.8**	**6.36**	**11.3**	
Zinc	7440-66-6	MG/KG	4600	70000		**41.4 J**	**32.5 J**	**13.2**	**28.6**	

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU16-SS-2	SWMU16-SS-3	SWMU16-SS-4	SWMU16-SS-5	SWMU16-SS-6
					Field Sample ID	SSP14-SWMU16-SS-2	SSP14-SWMU16-SS-3	SSP14-SWMU16-SS-4	SSP14-SWMU16-SS-5	SSP14-SWMU16-SS-6
					Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Acetone	67-64-1	MG/KG	12000	100000		**0.0220**	**0.0170 J**	**0.0230**	**0.0450**	**0.0190**
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00050	<0.00050	<0.00050	<0.00050	<0.00030
Carbon Disulfide	75-15-0	MG/KG	150	700		<0.0010	**0.0010 J**	**0.0020 J**	<0.0010	**0.0010 J**
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0040	<0.0040	<0.0040	<0.0040	<0.0030
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	<0.0020	<0.0020	<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78		<0.0010	<0.0010	<0.0010	**0.0040 J**	<0.00060
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Trichloroethene	79-01-6	MG/KG	0.82	3.8		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0020	<0.0010
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
2-Methylnaphthalene	91-57-6	MG/KG	46	600		**0.0090 J**	<0.0040	<0.0040	<0.0040	<0.0050
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Acenaphthene	83-32-9	MG/KG	700	9000		**0.0100 J**	**0.0040 J**	**0.0050 J**	<0.0040	<0.0050
Acenaphthylene	208-96-8	MG/KG	700	9000		**0.02**	**0.0080 J**	<0.0040	<0.0040	<0.0050
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Anthracene	120-12-7	MG/KG	3400	46000		**0.034**	**0.0090 J**	**0.0090 J**	<0.0040	<0.0050
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		**0.13**	**0.061**	**0.046**	<0.0040	<0.0050
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		**0.19**	**0.1**	**0.072**	<0.0040	<0.0050
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		**0.1**	**0.056**	**0.038**	<0.0040	<0.0050
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		**0.08**	**0.036**	**0.025**	<0.0040	<0.0050
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29		**0.14**	**0.073**	**0.049**	<0.0040	<0.0050
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.1900	<0.1900	<0.1800	<0.1900	<0.2300
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0770	<0.0740	<0.0740	<0.0760	<0.0900
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0770	<0.0740	<0.0740	<0.0760	<0.0900
Chrysene	218-01-9	MG/KG	15	290		**0.13**	**0.059**	**0.043**	<0.0040	<0.0050
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		**0.023**	**0.0130 J**	**0.0110 J**	<0.0040	<0.0050
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Fluoranthene	206-44-0	MG/KG	460	6000		**0.27**	**0.11**	**0.088**	<0.0040	<0.0050
Fluorene	86-73-7	MG/KG	460	6000		**0.0170 J**	**0.0040 J**	**0.0040 J**	<0.0040	<0.0050
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		**0.096**	**0.049**	**0.035**	<0.0040	<0.0050
Naphthalene	91-20-3	MG/KG	3.8	17		**0.022**	<0.0040	<0.0040	<0.0040	<0.0050
Phenanthrene	85-01-8	MG/KG	3400	46000		**0.13**	**0.04**	**0.045**	<0.0040	<0.0050
Phenol	108-95-2	MG/KG	3600	50000		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Pyrene	129-00-0	MG/KG	340	4600		**0.21**	**0.095**	**0.076**	<0.0040	<0.0050
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU16-SS-2	SWMU16-SS-3	SWMU16-SS-4	SWMU16-SS-5	SWMU16-SS-6
					Field Sample ID	SSP14-SWMU16-SS-2	SSP14-SWMU16-SS-3	SSP14-SWMU16-SS-4	SSP14-SWMU16-SS-5	SSP14-SWMU16-SS-6
					Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		**0.132 J**	<0.0948 R	**0.294 J**	**0.310 J**	**0.225 J**
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		**1.08 J**	**0.824 J**	**1.56 J**	**1.64 J**	**2.05 J**
Barium	7440-39-3	MG/KG	3000	44000		**23.2**	**41.1**	**35.0**	**17.1**	**41.3**
Beryllium	7440-41-7	MG/KG	32	460		**0.617 J**	**0.726 J**	**0.611 J**	**0.662 J**	**1.15 J**
Cadmium	7440-43-9	MG/KG	14	200		**0.0980 J**	**0.0730 J**	**0.121 J**	**0.0798 J**	**0.0703 J**
Chromium	7440-47-3	MG/KG	24000	100000		**2.84 J**	**1.36 J**	**5.33**	**3.24 J**	**4.22**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		**0.879 J**	**0.891 J**	**2.46**	**0.974 J**	**2.71**
Copper	7440-50-8	MG/KG	620	9400		**3.05**	**2.19 J**	**4.58**	**2.26**	**3.12**
Lead	7439-92-1	MG/KG	400	800		**12.1 J**	**11.1 J**	**11.4 J**	**10.7 J**	**14.9 J**
Mercury	7439-97-6	MG/KG	4.6	70		**0.0232 J**	**0.0154 J**	**0.0129 J**	**0.0222 J**	**0.0216 J**
Nickel	7440-02-0	MG/KG	300	4400		**32.7**	**32.8**	**65.2**	**25.1**	**13.9**
Selenium	7782-49-2	MG/KG	78	1200		**0.313 J**	**0.178 J**	**0.180 J**	**0.321 J**	**0.350 J**
Silver	7440-22-4	MG/KG	78	1200		<0.217	<0.213	<0.208	<0.210	<0.252
Thallium	7440-28-0	MG/KG	0.16	2.4		**0.155 J**	**0.137 J**	**0.213 J**	**0.164 J**	**0.274 J**
Tin	7440-31-5	MG/KG	9400	100000		**3.27 B**	**3.24 B**	**2.98 B**	**3.23 B**	**3.71 B**
Vanadium	7440-62-2	MG/KG	78	1200		**7.91**	**4.00**	**12.4**	**8.18**	**9.43**
Zinc	7440-66-6	MG/KG	4600	70000		**13.0**	**9.89**	**18.7**	**13.6**	**13.9**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU16-SS-7	SWMU16-SS-8	SWMU16-SS-9	SWMU19-SS-1	SWMU19-SS-2
					Field Sample ID	SSP14-SWMU16-SS-7	SSP14-SWMU16-SS-8	SSP14-SWMU16-SS-9	SSP14-SWMU19-SS-1	SSP14-SWMU19-SS-2
					Date Sampled	12/10/2014	12/11/2014	12/10/2014	12/03/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	12000	100000		**0.0440**	**0.0230**	**0.0290**	**0.0850**	**0.0370**
Benzene	71-43-2	MG/KG	1.2	5.1		<0.00060	<0.00050	<0.00050	<0.00060	<0.00050
Carbon Disulfide	75-15-0	MG/KG	150	700		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25		<0.0010	<0.0010	<0.0010	**0.0100**	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000		<0.0050	<0.0040	<0.0040	<0.0050	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640		<0.0020	<0.0020	**0.0100**	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	16	78		**0.0020 J**	<0.0010	**0.0860**	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	820	820		<0.0010	<0.0010	<0.0010	**0.0020 J**	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8		**0.0030 J**	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	3.6	50		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	46	600		<0.0040	<0.0040	<0.0040	<0.0390	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	620	8200		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
Acenaphthene	83-32-9	MG/KG	700	9000		<0.0040	**0.0170 J**	<0.0040	<0.0390	**0.0080 J**
Acenaphthylene	208-96-8	MG/KG	700	9000		<0.0040	**0.0050 J**	<0.0040	<0.0390	**0.0050 J**
Acetophenone	98-86-2	MG/KG	1600	2500		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
Anthracene	120-12-7	MG/KG	3400	46000		<0.0040	**0.044**	**0.0040 J**	<0.0390	**0.0160 J**
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9		**0.0100 J**	**0.15**	**0.0110 J**	**0.0860 J**	**0.07**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9		**0.0160 J**	**0.22**	**0.0190 J**	**0.1600 J**	**0.11**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600		**0.0090 J**	**0.11**	**0.0100 J**	**0.1200 J**	**0.063**
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29		**0.0080 J**	**0.078**	**0.0080 J**	**0.0520 J**	**0.042**
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29		**0.0100 J**	**0.14**	**0.0130 J**	**0.1300 J**	**0.079**
Benzyl Alcohol	100-51-6	MG/KG	1200	16000		<0.1900	<0.1900	<0.1900	<1.9000	<0.1900
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160		<0.0770	<0.0770	<0.0770	<0.7700	<0.0780
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200		<0.0770	<0.0770	<0.0770	<0.7700	<0.0780
Chrysene	218-01-9	MG/KG	15	290		**0.0130 J**	**0.15**	**0.0120 J**	**0.0830 J**	**0.075**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29		<0.0040	**0.031**	<0.0040	<0.0390	**0.0150 J**
Dibenzofuran	132-64-9	MG/KG	14	200		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
Fluoranthene	206-44-0	MG/KG	460	6000		**0.023**	**0.32**	**0.022**	**0.0900 J**	**0.14**
Fluorene	86-73-7	MG/KG	460	6000		<0.0040	**0.0170 J**	<0.0040	<0.0390	**0.0090 J**
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9		**0.0080 J**	**0.1**	**0.0100 J**	**0.1000 J**	**0.055**
Naphthalene	91-20-3	MG/KG	3.8	17		<0.0040	**0.0040 J**	<0.0040	<0.0390	<0.0040
Phenanthrene	85-01-8	MG/KG	3400	46000		**0.0080 J**	**0.18**	**0.0130 J**	<0.0390	**0.066**
Phenol	108-95-2	MG/KG	3600	50000		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
Pyrene	129-00-0	MG/KG	340	4600		**0.023**	**0.26**	**0.0190 J**	**0.1000 J**	**0.11**
Dowtherm										
Biphenyl	92-52-4	MG/KG	9.4	40		<0.0190	<0.0190	<0.0190	**0.2200 J**	**0.0380 J**
Diphenyl Ether	101-84-8	MG/KG	2700	19000		<0.0190	<0.0190	<0.0190	**0.4500**	**0.0940**

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	Location ID	SWMU16-SS-7	SWMU16-SS-8	SWMU16-SS-9	SWMU19-SS-1	SWMU19-SS-2
					Field Sample ID	SSP14-SWMU16-SS-7	SSP14-SWMU16-SS-8	SSP14-SWMU16-SS-9	SSP14-SWMU19-SS-1	SSP14-SWMU19-SS-2
					Date Sampled	12/10/2014	12/11/2014	12/10/2014	12/03/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
PCB 1248	12672-29-6	MG/KG	1.0	1.0						
PCB 1254	11097-69-1	MG/KG	1.0	1.0						
PCB 1260	11096-82-5	MG/KG	1.0	1.0						
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94		**0.371 J**	<0.0952 UJ	**0.100 J**	**2.39**	**0.705 J**
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)		**1.71 J**	**0.756 J**	**0.946**	**1.94 J**	**0.928**
Barium	7440-39-3	MG/KG	3000	44000		**62.5**	**43.3**	**42.7**	**37.4**	**38.7**
Beryllium	7440-41-7	MG/KG	32	460		**1.15**	**0.876 J**	**0.877 J**	**1.21**	**0.842 J**
Cadmium	7440-43-9	MG/KG	14	200		**0.185 J**	**0.0789 J**	**0.119 J**	<0.0377	<0.0371
Chromium	7440-47-3	MG/KG	24000	100000		**5.18**	**2.01 J**	**1.95 J**	**6.42**	**4.97**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70		**3.64**	**1.45**	**1.04 J**	**2.65**	**2.06**
Copper	7440-50-8	MG/KG	620	9400		**3.41**	**3.10**	**2.91**	**3.83 J**	**2.67**
Lead	7439-92-1	MG/KG	400	800		**15.1 J**	**9.43 J**	**12.0 J**	**18.3 J**	**12.6**
Mercury	7439-97-6	MG/KG	4.6	70		**0.0254 J**	**0.0173 J**	**0.0169 J**	**0.0362 J**	**0.0254 J**
Nickel	7440-02-0	MG/KG	300	4400		**18.9**	**13.2**	**16.5**	**20.5**	**16.8**
Selenium	7782-49-2	MG/KG	78	1200		**0.327 J**	**0.242 J**	**0.220 J**	**0.362 J**	**0.197 J**
Silver	7440-22-4	MG/KG	78	1200		<0.215	<0.214	<0.214	<0.217	**0.858 J**
Thallium	7440-28-0	MG/KG	0.16	2.4		**0.255 J**	**0.145 J**	**0.167 J**	**0.277 J**	**0.204 J**
Tin	7440-31-5	MG/KG	9400	100000		**3.27 B**	**3.20 B**	**3.25 B**	**3.54 B**	**3.08 B**
Vanadium	7440-62-2	MG/KG	78	1200		**18.2**	**8.73**	**7.26**	**17.2**	**10.3**
Zinc	7440-66-6	MG/KG	4600	70000		**27.5**	**18.2**	**15.2**	**31.2 J**	**25.2 J**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

Table 6B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 7
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

Table 7
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

Notes:
MG/KG - Milligram(s) per kilogram
Blank Cells = Constituent not detected in all three replicates

NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit

Table 8
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

Table 8
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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 8
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

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

Table 8
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	29	30	31	32	33
							Sample Name	BRE-S-29(0-1)	BRE-S-30(0-1)	BRE-S-31(0-1)	BRE-S-32(0-1)	BRE-S-33(0-1)
							Date Sampled	09/26/2008	09/27/2008	09/29/2008	09/27/2008	09/28/2008
							Start Depth - End Depth	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
							Sample Purpose	FS	FS	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL		**4.09 B**	**3.68 B**	**3.95 B**	**3.57 B**	**3.33 B**
Vanadium	7440-62-2	MG/KG	78	1200		22.8		**27.0**	**27.7**	**863**	**35.7**	**12.2**
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1		**137**	**166**	**127**	**64.3**	**130**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

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Former DuPont Brevard Facility
Cedar Mountain, NC

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

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	34	35	36	A-SS1-1.5	A-SS2-1
							Sample Name	BRE-S-34(0-1)	BRE-S-35(0-1)	BRE-S-36(0-1)	BRE-A-SS1-1.5	BRE-A-SS2-1
							Date Sampled	09/28/2008	09/29/2008	09/28/2008	08/25/1995	08/25/1995
							Start Depth - End Depth	0 - 1	0 - 1	0 - 1		
							Sample Purpose	FS	FS	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18			**0.0520 J**	<0.0360	<0.0370		
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6			**0.0610 J**	<0.0360	<0.0370		
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800			**0.0410 J**	<0.0360	<0.0370		
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9			<0.0360	<0.0360	<0.0370		
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059			**0.0490 J**	<0.0360	<0.0370		
Benzoic Acid	65-85-0	MG/KG	50000	100000	130							
Biphenyl	92-52-4	MG/KG	9.4	40	43			<0.0360	<0.0360	<0.0370		
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2			**0.2100 J**	<0.0720	<0.0730		
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150			<0.0730	<0.0720	<0.0730		
Carbazole	86-74-8	MG/KG	NA	NA	0.37							
Chrysene	218-01-9	MG/KG	15	290	18			**0.0470 J**	<0.0360	<0.0370		
Diallate	2303-16-4	MG/KG	8.7	38				<0.0360	<0.0360	<0.0370		
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19			<0.0360	<0.0360	<0.0370		
Dibenzofuran	132-64-9	MG/KG	14	200	5.2			<0.0360	<0.0360	<0.0370		
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19			<0.0730	<0.0720	<0.0730		
Diphenyl Ether	101-84-8	MG/KG	2700	19000				<0.0360	<0.0360	<0.0370		
Fluoranthene	206-44-0	MG/KG	460	6000	330			**0.0890 J**	<0.0360	<0.0370		
Fluorene	86-73-7	MG/KG	460	6000	56			<0.0360	<0.0360	<0.0370		
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2			<0.0360	<0.0360	<0.0370		
Naphthalene	91-20-3	MG/KG	4	17	0.21			<0.0360	<0.0360	<0.0370		
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38			<0.0730	<0.0720	<0.0730		
Nitrobenzene	98-95-3	MG/KG	5.1	22				<0.0360	<0.0360	<0.0370		
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470				<0.0360	<0.0360	<0.0370		
Phenanthrene	85-01-8	MG/KG	3400	46000	68			**0.0530 J**	<0.0360	<0.0370		
Phenol	108-95-2	MG/KG	3600	50000	0.23			<0.0360	<0.0360	<0.0370		
Pyrene	129-00-0	MG/KG	340	4600	220			**0.0900 J**	<0.0360	<0.0370		
Diesel Range Organics	394878-87-0	MG/KG	--	--	--						<1.67	<1.74
Inorganics												
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL		<0.258 UJ	<0.250 UJ	<0.257 UJ		
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81		**0.788 J**	**4.01**	**1.66 J**		
Barium	7440-39-3	MG/KG	3000	44000	580	133		**19.8**	**177**	**29.7**		
Beryllium	7440-41-7	MG/KG	32	460	63	2.7		**1.68**	**1.02**	**1.60**		
Cadmium	7440-43-9	MG/KG	14	200	3	DL		<0.154	<0.149	<0.153		
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16		<0.654	**13.4**	**1.03 J**		
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7		**1.64**	**4.20**	**2.44**		
Copper	7440-50-8	MG/KG	620	9400	700	3.72		**1.06 J**	**17.6**	**1.07 J**		
Lead	7439-92-1	MG/KG	400	800	270	20.5		**10.8**	**5.69 J**	**11.8 J**		
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215		<0.0121	<0.0123	<0.0118		
Nickel	7440-02-0	MG/KG	300	4400	130	5.54		**0.964 J**	**7.85**	**2.31**		
Silver	7440-22-4	MG/KG	78	1200	3.4	DL		<0.0752	**0.148 J**	<0.0748		
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL		**0.189 J**	**0.199 J**	**0.229 J**		

Table 8
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	34	35	36	A-SS1-1.5	A-SS2-1
							Sample Name	BRE-S-34(0-1)	BRE-S-35(0-1)	BRE-S-36(0-1)	BRE-A-SS1-1.5	BRE-A-SS2-1
							Date Sampled	09/28/2008	09/29/2008	09/28/2008	08/25/1995	08/25/1995
							Start Depth - End Depth	0 - 1	0 - 1	0 - 1		
							Sample Purpose	FS	FS	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL		**1.96 B**	**3.63 B**	**3.55 B**		
Vanadium	7440-62-2	MG/KG	78	1200		22.8		**5.19**	**20.4**	**8.20**		
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1		**20.1**	**39.4**	**23.0**		

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

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

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	A-SS3-2	A-SS4-2	A-SS5-2	A-SS5-P 1G
							Sample Name	BRE-A-SS3-2	BRE-A-SS4-2	BRE-A-SS5-2	BRE-A-SS5-P 1G
							Date Sampled	08/25/1995	08/24/1995	08/25/1995	08/25/1995
							Start Depth - End Depth				
							Sample Purpose	FS	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18						
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6						
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800						
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9						
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059						
Benzoic Acid	65-85-0	MG/KG	50000	100000	130						
Biphenyl	92-52-4	MG/KG	9.4	40	43						
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2						
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150						
Carbazole	86-74-8	MG/KG	NA	NA	0.37						
Chrysene	218-01-9	MG/KG	15	290	18						
Diallate	2303-16-4	MG/KG	8.7	38							
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19						
Dibenzofuran	132-64-9	MG/KG	14	200	5.2						
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19						
Diphenyl Ether	101-84-8	MG/KG	2700	19000							
Fluoranthene	206-44-0	MG/KG	460	6000	330						
Fluorene	86-73-7	MG/KG	460	6000	56						
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2						
Naphthalene	91-20-3	MG/KG	4	17	0.21						
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38						
Nitrobenzene	98-95-3	MG/KG	5.1	22							
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470							
Phenanthrene	85-01-8	MG/KG	3400	46000	68						
Phenol	108-95-2	MG/KG	3600	50000	0.23						
Pyrene	129-00-0	MG/KG	340	4600	220						
Diesel Range Organics	394878-87-0	MG/KG	--	--	--			<1.67	**476**	<1.7	<1.7
Inorganics											
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL					
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81					
Barium	7440-39-3	MG/KG	3000	44000	580	133					
Beryllium	7440-41-7	MG/KG	32	460	63	2.7					
Cadmium	7440-43-9	MG/KG	14	200	3	DL					
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16					
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7					
Copper	7440-50-8	MG/KG	620	9400	700	3.72					
Lead	7439-92-1	MG/KG	400	800	270	20.5					
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215					
Nickel	7440-02-0	MG/KG	300	4400	130	5.54					
Silver	7440-22-4	MG/KG	78	1200	3.4	DL					
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL					

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

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

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							Sample Name	BRE-S-AFBASH-SS-1	BRE-S-AOCA-SS-2(0-2)	BRE-S-AOCA-SS-3(0-2)
							Date Sampled	07/26/2004	08/02/2004	08/02/2004
							Start Depth - End Depth	COMP	0 - 2	0 - 2
							Sample Purpose	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18			<0.0390	<0.0410	<0.0390
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6			<0.0390	<0.0410	<0.0390
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800			<0.0390	<0.0410	<0.0390
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9			<0.0390	<0.0410	<0.0390
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059			<0.0390	<0.0410	<0.0390
Benzoic Acid	65-85-0	MG/KG	50000	100000	130			<0.1900	<0.2000	<0.2000
Biphenyl	92-52-4	MG/KG	9.4	40	43				<0.0410	<0.0390
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2			<0.1200	<0.1200	<0.1200
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150			<0.0780	<0.0820	<0.0790
Carbazole	86-74-8	MG/KG	NA	NA	0.37			<0.0390	<0.0410	<0.0390
Chrysene	218-01-9	MG/KG	15	290	18			<0.0390	<0.0410	<0.0390
Diallate	2303-16-4	MG/KG	8.7	38				<0.0390	<0.0410	<0.0390
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19			<0.0390	<0.0410	<0.0390
Dibenzofuran	132-64-9	MG/KG	14	200	5.2			<0.0390	<0.0410	<0.0390
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19			<0.0780	<0.0820	<0.0790
Diphenyl Ether	101-84-8	MG/KG	2700	19000					<0.0410	<0.0390
Fluoranthene	206-44-0	MG/KG	460	6000	330			<0.0390	<0.0410	<0.0390
Fluorene	86-73-7	MG/KG	460	6000	56			<0.0390	<0.0410	<0.0390
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2			<0.0390	<0.0410	<0.0390
Naphthalene	91-20-3	MG/KG	4	17	0.21			<0.0390	<0.0410	<0.0390
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38			<0.0780	<0.0820	<0.0790
Nitrobenzene	98-95-3	MG/KG	5.1	22				<0.0390	<0.0410	<0.0390
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470				<0.0390	<0.0410	<0.0390
Phenanthrene	85-01-8	MG/KG	3400	46000	68			<0.0390	**0.0760 J**	<0.0390
Phenol	108-95-2	MG/KG	3600	50000	0.23			<0.0390	<0.0410	<0.0390
Pyrene	129-00-0	MG/KG	340	4600	220			<0.0390	<0.0410	<0.0390
Diesel Range Organics	394878-87-0	MG/KG	--	--	--					
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL		<0.853 UJ	<0.897 UJ	<0.858 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81		**0.930 J**	**1.83**	**1.10 J**
Barium	7440-39-3	MG/KG	3000	44000	580	133		**80.0**	**40.4**	**41.1**
Beryllium	7440-41-7	MG/KG	32	460	63	2.7		**1.69**	**1.38**	**1.30**
Cadmium	7440-43-9	MG/KG	14	200	3	DL		**0.161 J**	<0.0679	<0.0649
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16		**3.01**	**3.15 J**	**3.52 J**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7		**6.44**	**17.1**	**1.97**
Copper	7440-50-8	MG/KG	620	9400	700	3.72		**6.21**	**4.25**	**1.89**
Lead	7439-92-1	MG/KG	400	800	270	20.5		**9.86**	**50.5**	**15.2**
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215		<0.0039	<0.0039	<0.0039
Nickel	7440-02-0	MG/KG	300	4400	130	5.54		**3.66**	**1.99**	**2.06**
Silver	7440-22-4	MG/KG	78	1200	3.4	DL		<0.150	<0.158	<0.151
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL		<1.06	**4.29**	<1.07

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 8
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

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

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 8
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

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

Table 8
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 8
Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
Cedar Mountain, NC

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

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Cedar Mountain, NC

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

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

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Constituents of Potential Concern in Water Supply Wells
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Cedar Mountain, NC

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

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

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	C-SS5-1	C-SS6-1	SANDBLAST-SS-1
							Sample Name	BRE-C-SS5-1	BRE-C-SS6-1	BRE-V-SANDBLAST-SS-1(0-4)
							Date Sampled	08/31/1995	08/31/1995	07/23/2004
							Start Depth - End Depth			0 - 4
							Sample Purpose	FS	FS	FS
Volatile Organic Compound										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2					
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.6	2.7	0.0012					
1,1,2-Trichloroethane	79-00-5	MG/KG	0.3	1.3	0.0032					
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03					
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3					
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002					
2-Hexanone	591-78-6	MG/KG	40	260	0.17					
Acetone	67-64-1	MG/KG	12000	100000	24					
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073					
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8					
Chlorobenzene	108-90-7	MG/KG	56	260	0.43					
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34					
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36					
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1					
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40					
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16					
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43					
Methylene Chloride	75-09-2	MG/KG	57	640	0.023					
Pentachloroethane	76-01-7	MG/KG	5.9	26						
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005					
Toluene	108-88-3	MG/KG	820	820	5.5					
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51					
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018					
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24					
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04					
Xylenes	1330-20-7	MG/KG	120	260	5.8					
Semivolatile Organic Compound										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2					
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9						
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055					
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4					
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000						
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6					
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10						
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12					
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085						
Acenaphthene	83-32-9	MG/KG	700	9000	8.4					
Acenaphthylene	208-96-8	MG/KG	700	9000	21					
Anthracene	120-12-7	MG/KG	3400	46000	660					
Benzaldehyde	100-52-7	MG/KG	1200	1200	3					

Table 8
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Former DuPont Brevard Facility
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	C-SS5-1	C-SS6-1	SANDBLAST-SS-1
							Sample Name	BRE-C-SS5-1	BRE-C-SS6-1	BRE-V-SANDBLAST-SS-1(0-4)
							Date Sampled	08/31/1995	08/31/1995	07/23/2004
							Start Depth - End Depth			0 - 4
							Sample Purpose	FS	FS	FS
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18					
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6					
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800					
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9					
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059					
Benzoic Acid	65-85-0	MG/KG	50000	100000	130					
Biphenyl	92-52-4	MG/KG	9.4	40	43					
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2					
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150					
Carbazole	86-74-8	MG/KG	NA	NA	0.37					
Chrysene	218-01-9	MG/KG	15	290	18					
Diallate	2303-16-4	MG/KG	8.7	38						
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19					
Dibenzofuran	132-64-9	MG/KG	14	200	5.2					
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19					
Diphenyl Ether	101-84-8	MG/KG	2700	19000						
Fluoranthene	206-44-0	MG/KG	460	6000	330					
Fluorene	86-73-7	MG/KG	460	6000	56					
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2					
Naphthalene	91-20-3	MG/KG	4	17	0.21					
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38					
Nitrobenzene	98-95-3	MG/KG	5.1	22						
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470						
Phenanthrene	85-01-8	MG/KG	3400	46000	68					
Phenol	108-95-2	MG/KG	3600	50000	0.23					
Pyrene	129-00-0	MG/KG	340	4600	220					
Diesel Range Organics	394878-87-0	MG/KG	--	--	--					
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9	DL				<0.886 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8	4.81				**0.824 J**
Barium	7440-39-3	MG/KG	3000	44000	580	133				**43.8**
Beryllium	7440-41-7	MG/KG	32	460	63	2.7				**1.04**
Cadmium	7440-43-9	MG/KG	14	200	3	DL				<0.0670
Chromium	7440-47-3	MG/KG	24000	100000	360000	5.16				**5.11**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9	14.7				**3.53**
Copper	7440-50-8	MG/KG	620	9400	700	3.72				**3.57**
Lead	7439-92-1	MG/KG	400	800	270	20.5				**15.0**
Mercury	7439-97-6	MG/KG	1.9	8.0	1	0.0215				**0.0227 J**
Nickel	7440-02-0	MG/KG	300	4400	130	5.54				**4.81**
Silver	7440-22-4	MG/KG	78	1200	3.4	DL		**103**	**2.79**	**1.06**
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28	DL				**1.47 J**

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	C-SS5-1	C-SS6-1	SANDBLAST-SS-1
							Sample Name	BRE-C-SS5-1	BRE-C-SS6-1	BRE-V-SANDBLAST-SS-1(0-4)
							Date Sampled	08/31/1995	08/31/1995	07/23/2004
							Start Depth - End Depth			0 - 4
							Sample Purpose	FS	FS	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL				**4.44 B**
Vanadium	7440-62-2	MG/KG	78	1200		22.8				**15.3**
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1				**44.0**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

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

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

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

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

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

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Site-Specific Background	Location ID	SILREC-SS-2	SS-1	SS-2	SS-2	SS-3
							Sample Name	BRE-S-SILREC-SS-2(0-4)	BRE-SS-1	BRE-SS-2	BRE-SS-2-DUP	BRE-SS-3
							Date Sampled	07/08/2004	04/29/1996	04/29/1996	04/29/1996	04/29/1996
							Start Depth - End Depth	0 - 4				
							Sample Purpose	FS	FS	FS	DUP	FS
Tin	7440-31-5	MG/KG	9400	100000	10000	DL						
Vanadium	7440-62-2	MG/KG	78	1200		22.8						
Zinc	7440-66-6	MG/KG	4600	70000	1200	49.1						

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

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

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

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

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

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

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

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

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

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

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

Table 8
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Former DuPont Brevard Facility
Cedar Mountain, NC

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

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 8
Constituents of Potential Concern in Water Supply Wells
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Cedar Mountain, NC

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

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

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 8
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Former DuPont Brevard Facility
Cedar Mountain, NC

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

Table 8
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

Table 8
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

Table 9
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

Table 9
Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
Cedar Mountain, NC

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

Table 9
Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
Cedar Mountain, NC

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

Table 9
Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
Cedar Mountain, NC

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

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

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

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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

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Former DuPont Brevard Facility
Cedar Mountain, NC

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

Table 9
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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

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

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

Table 9
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

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

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

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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Cedar Mountain, NC

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

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						Sample Name	BRE-A-SS7-20	BRE-S-AFBSATFUEL-SS-1(4-8)	BRE-S-AFBSATFUEL-SS-2(2-6)	BRE-S-AOCA-SS-1(4-8)
						Date Sampled	08/30/1995	07/26/2004	07/26/2004	08/02/2004
						Start Depth - End Depth		4 - 8	2 - 6	4 - 8
						Sample Purpose	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3			<0.0420	<0.0390	<0.0390
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18			<0.0420	<0.0390	<0.0390
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6			<0.0420	<0.0390	<0.0390
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800			<0.0420	<0.0390	<0.0390
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9			<0.0420	<0.0390	<0.0390
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059			<0.0420	<0.0390	<0.0390
Benzoic Acid	65-85-0	MG/KG	50000	100000	130			<0.2100	<0.2000	<0.2000
Biphenyl	92-52-4	MG/KG	9.4	40	43					<0.0390
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2			**0.1800 J**	<0.1200	**0.2000 J**
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150			<0.0840	<0.0790	<0.0780
Carbazole	86-74-8	MG/KG	NA	NA	0.37			<0.0420	<0.0390	<0.0390
Chrysene	218-01-9	MG/KG	15	290	18			<0.0420	<0.0390	<0.0390
Diallate	2303-16-4	MG/KG	8.7	38				<0.0420	<0.0390	<0.0390
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19			<0.0420	<0.0390	<0.0390
Dibenzofuran	132-64-9	MG/KG	14	200	5.2			<0.0420	<0.0390	<0.0390
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19			<0.0840	<0.0790	<0.0780
Diphenyl Ether	101-84-8	MG/KG	2700	19000						<0.0390
Fluoranthene	206-44-0	MG/KG	460	6000	330			<0.0420	<0.0390	<0.0390
Fluorene	86-73-7	MG/KG	460	6000	56			<0.0420	<0.0390	<0.0390
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2			<0.0420	<0.0390	<0.0390
Naphthalene	91-20-3	MG/KG	3.8	17	0.21			<0.0420	<0.0390	<0.0390
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38			<0.0840	<0.0790	<0.0780
Nitrobenzene	98-95-3	MG/KG	5.1	22				<0.0420	<0.0390	<0.0390
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470				<0.0420	<0.0390	<0.0390
Phenanthrene	85-01-8	MG/KG	3400	46000	68			<0.0420	<0.0390	<0.0390
Phenol	108-95-2	MG/KG	3600	50000	0.23			<0.0420	<0.0390	<0.0390
Pyrene	129-00-0	MG/KG	340	4600	220			<0.0420	<0.0390	<0.0390
Diesel Range Organics	394878-87-0	MG/KG								
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9			<0.927 UJ	<0.863 UJ	<0.853 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8			**1.57**	<0.560	**1.06 J**
Barium	7440-39-3	MG/KG	3000	44000	580			**55.8**	**42.7**	**29.4**
Beryllium	7440-41-7	MG/KG	32	460	63			**1.87**	**1.06**	**1.36**
Cadmium	7440-43-9	MG/KG	14	200	3			**0.355 J**	**0.168 J**	<0.0645
Chromium	7440-47-3	MG/KG	24000	100000	360000			**4.84**	**4.22**	**0.818 J**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)			**3.87**	**6.88**	**2.31**
Copper	7440-50-8	MG/KG	620	9400	700			**9.61**	**5.74**	**0.512 J**
Lead	7439-92-1	MG/KG	400	800	270			**56.7**	**4.77**	**11.2**
Mercury	7439-97-6	MG/KG	1.9	8.0	1			**0.0254 J**	**0.0076 J**	<0.0039
Nickel	7440-02-0	MG/KG	300	4400	130			**8.69**	**2.94**	**0.475 J**

Table 9
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

Table 9
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

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

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Cedar Mountain, NC

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

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

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	AOCB-SS-6	AOCC-SS-1	AOCC-SS-2	B-SS6-WT
						Sample Name	BRE-S-AOCB-SS-6(4-8)	BRE-S-AOCC-SS-1(8-11.5)	BRE-S-AOCC-SS-2(4-8)	BRE-B-SS6-WT
						Date Sampled	08/04/2004	08/09/2004	08/09/2004	08/30/1995
						Start Depth - End Depth	4 - 8	8 - 11.5	4 - 8	
						Sample Purpose	FS	FS	FS	FS
Volatile Organic Compound										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0010			
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0010			
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0010			
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0010			
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0010			
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0010			
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0040			
Acetone	67-64-1	MG/KG	12000	100000	24		**0.0140 J**			
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00070			
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0010			
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0010			
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0010			
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0010			
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0010			
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<2.3000 UJ			<25.0000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.0050			
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0040			
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0030			
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0010			
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0010			
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0010			
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0010			
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0010			
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0030			
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0010			
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0010			
Semivolatile Organic Compound										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0390			
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.0390			
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.0390			
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0390			
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0390			
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0390			
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0770			
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0770			
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0390			
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0390			
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0390			
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0390			

Table 9
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	AOCB-SS-6	AOCC-SS-1	AOCC-SS-2	B-SS6-WT
						Sample Name	BRE-S-AOCB-SS-6(4-8)	BRE-S-AOCC-SS-1(8-11.5)	BRE-S-AOCC-SS-2(4-8)	BRE-B-SS6-WT
						Date Sampled	08/04/2004	08/09/2004	08/09/2004	08/30/1995
						Start Depth - End Depth	4 - 8	8 - 11.5	4 - 8	
						Sample Purpose	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.0390			
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0390			
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0390			
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0390			
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0390			
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0390			
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.1900			
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0390			
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1200			
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0770			
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0390			
Chrysene	218-01-9	MG/KG	15	290	18		<0.0390			
Diallate	2303-16-4	MG/KG	8.7	38			<0.0390			
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0390			
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0390			
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0770			
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0390			
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0390			
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0390			
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0390			
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.0390			
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0770			
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0390			
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0390			
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0390			
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0390			
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0390			
Diesel Range Organics	394878-87-0	MG/KG								
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9		<0.831 UJ			
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		**1.70**			
Barium	7440-39-3	MG/KG	3000	44000	580		**74.8**			
Beryllium	7440-41-7	MG/KG	32	460	63		**1.35**			
Cadmium	7440-43-9	MG/KG	14	200	3		<0.0629			
Chromium	7440-47-3	MG/KG	24000	100000	360000		**0.842**			
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		**2.02**			
Copper	7440-50-8	MG/KG	620	9400	700		**1.56**			
Lead	7439-92-1	MG/KG	400	800	270		**10.6**			
Mercury	7439-97-6	MG/KG	1.9	8.0	1		<0.0037	<0.0040	**0.0099 J**	
Nickel	7440-02-0	MG/KG	300	4400	130		**1.14**			

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	AOCB-SS-6	AOCC-SS-1	AOCC-SS-2	B-SS6-WT
						Sample Name	BRE-S-AOCB-SS-6(4-8)	BRE-S-AOCC-SS-1(8-11.5)	BRE-S-AOCC-SS-2(4-8)	BRE-B-SS6-WT
						Date Sampled	08/04/2004	08/09/2004	08/09/2004	08/30/1995
						Start Depth - End Depth	4 - 8	8 - 11.5	4 - 8	
						Sample Purpose	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		<0.146	<0.158	<0.187	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.03			
Tin	7440-31-5	MG/KG	9400	100000	10000		**4.29 B**			
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		**6.00**			
Zinc	7440-66-6	MG/KG	4600	70000	1200		**28.6**			

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	B-SS7-15	B-SS7-8	C-SS1-4	C-SS1-6	C-SS2-4	C-SS2-6	C-SS3-3
						Sample Name	BRE-B-SS7-15	BRE-B-SS7-8	BRE-C-SS1-4	BRE-C-SS1-6	BRE-C-SS2-4	BRE-C-SS2-6	BRE-C-SS3-3
						Date Sampled	08/30/1995	08/30/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995
						Start Depth - End Depth							
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compound													
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2								
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012								
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032								
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03								
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3								
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002								
2-Hexanone	591-78-6	MG/KG	40	260	0.17								
Acetone	67-64-1	MG/KG	12000	100000	24								
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073								
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8								
Chlorobenzene	108-90-7	MG/KG	56	260	0.43								
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34								
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36								
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1								
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<25.0000	<25.0000					
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16								
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43								
Methylene Chloride	75-09-2	MG/KG	57	640	0.023								
Pentachloroethane	76-01-7	MG/KG	5.9	26									
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005								
Toluene	108-88-3	MG/KG	820	820	5.5								
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51								
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018								
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24								
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04								
Xylenes	1330-20-7	MG/KG	120	260	5.8								
Semivolatile Organic Compound													
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2								
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9									
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055								
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4								
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000									
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6								
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10									
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12								
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085									
Acenaphthene	83-32-9	MG/KG	700	9000	8.4								
Acenaphthylene	208-96-8	MG/KG	700	9000	21								
Anthracene	120-12-7	MG/KG	3400	46000	660								

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	B-SS7-15	B-SS7-8	C-SS1-4	C-SS1-6	C-SS2-4	C-SS2-6	C-SS3-3
						Sample Name	BRE-B-SS7-15	BRE-B-SS7-8	BRE-C-SS1-4	BRE-C-SS1-6	BRE-C-SS2-4	BRE-C-SS2-6	BRE-C-SS3-3
						Date Sampled	08/30/1995	08/30/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995
						Start Depth - End Depth							
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3								
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18								
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6								
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800								
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9								
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059								
Benzoic Acid	65-85-0	MG/KG	50000	100000	130								
Biphenyl	92-52-4	MG/KG	9.4	40	43								
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2								
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150								
Carbazole	86-74-8	MG/KG	NA	NA	0.37								
Chrysene	218-01-9	MG/KG	15	290	18								
Diallate	2303-16-4	MG/KG	8.7	38									
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19								
Dibenzofuran	132-64-9	MG/KG	14	200	5.2								
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19								
Diphenyl Ether	101-84-8	MG/KG	2700	19000									
Fluoranthene	206-44-0	MG/KG	460	6000	330								
Fluorene	86-73-7	MG/KG	460	6000	56								
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2								
Naphthalene	91-20-3	MG/KG	3.8	17	0.21								
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38								
Nitrobenzene	98-95-3	MG/KG	5.1	22									
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470									
Phenanthrene	85-01-8	MG/KG	3400	46000	68								
Phenol	108-95-2	MG/KG	3600	50000	0.23								
Pyrene	129-00-0	MG/KG	340	4600	220								
Diesel Range Organics	394878-87-0	MG/KG											
Inorganics													
Antimony	7440-36-0	MG/KG	6.2	94	0.9								
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8								
Barium	7440-39-3	MG/KG	3000	44000	580								
Beryllium	7440-41-7	MG/KG	32	460	63								
Cadmium	7440-43-9	MG/KG	14	200	3								
Chromium	7440-47-3	MG/KG	24000	100000	360000								
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)								
Copper	7440-50-8	MG/KG	620	9400	700								
Lead	7439-92-1	MG/KG	400	800	270								
Mercury	7439-97-6	MG/KG	1.9	8.0	1								
Nickel	7440-02-0	MG/KG	300	4400	130								

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	B-SS7-15	B-SS7-8	C-SS1-4	C-SS1-6	C-SS2-4	C-SS2-6	C-SS3-3
						Sample Name	BRE-B-SS7-15	BRE-B-SS7-8	BRE-C-SS1-4	BRE-C-SS1-6	BRE-C-SS2-4	BRE-C-SS2-6	BRE-C-SS3-3
						Date Sampled	08/30/1995	08/30/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/31/1995
						Start Depth - End Depth							
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4				<0.907	<0.895	<0.917	<0.943	<0.981
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28								
Tin	7440-31-5	MG/KG	9400	100000	10000								
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)								
Zinc	7440-66-6	MG/KG	4600	70000	1200								

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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Former DuPont Brevard Facility
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	C-SS3-5.5	C-SS4-3.5	C-SS4-5.5	C-SS6-3.5	CND-SS-1
						Sample Name	BRE-C-SS3-5.5	BRE-C-SS4-3.5	BRE-C-SS4-5.5	BRE-C-SS6-3.5	BRE-S-CND-SS-1(8-12)
						Date Sampled	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/03/2004
						Start Depth - End Depth					8 - 12
						Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compound											
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2						<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012						<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032						<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03						<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3						<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002						<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17						<0.0030
Acetone	67-64-1	MG/KG	12000	100000	24						**0.0390**
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073						<0.00060 UJ
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8						<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43						<0.0010 UJ
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34						<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36						<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1						<0.0010 UJ
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40						
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16						<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43						<0.0030
Methylene Chloride	75-09-2	MG/KG	57	640	0.023						<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26							<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005						<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5						<0.0010 UJ
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51						<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018						<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24						<0.0020
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04						<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8						<0.0010 UJ
Semivolatile Organic Compound											
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2						<0.0410
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9							<0.0410
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055						<0.0410
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4						<0.0410
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000							<0.0410
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6						<0.0410
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10							<0.0810
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12						<0.0810
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085							<0.0410
Acenaphthene	83-32-9	MG/KG	700	9000	8.4						<0.0410
Acenaphthylene	208-96-8	MG/KG	700	9000	21						<0.0410
Anthracene	120-12-7	MG/KG	3400	46000	660						<0.0410

Table 9
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	C-SS3-5.5	C-SS4-3.5	C-SS4-5.5	C-SS6-3.5	CND-SS-1
						Sample Name	BRE-C-SS3-5.5	BRE-C-SS4-3.5	BRE-C-SS4-5.5	BRE-C-SS6-3.5	BRE-S-CND-SS-1(8-12)
						Date Sampled	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/03/2004
						Start Depth - End Depth					8 - 12
						Sample Purpose	FS	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3						<0.0410
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18						<0.0410
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6						<0.0410
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800						<0.0410
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9						<0.0410
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059						<0.0410
Benzoic Acid	65-85-0	MG/KG	50000	100000	130						<0.2000
Biphenyl	92-52-4	MG/KG	9.4	40	43						<0.0410
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2						<0.1200
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150						<0.0810
Carbazole	86-74-8	MG/KG	NA	NA	0.37						<0.0410
Chrysene	218-01-9	MG/KG	15	290	18						<0.0410
Diallate	2303-16-4	MG/KG	8.7	38							<0.0410
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19						<0.0410
Dibenzofuran	132-64-9	MG/KG	14	200	5.2						<0.0410
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19						<0.0810
Diphenyl Ether	101-84-8	MG/KG	2700	19000							<0.0410
Fluoranthene	206-44-0	MG/KG	460	6000	330						<0.0410
Fluorene	86-73-7	MG/KG	460	6000	56						<0.0410
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2						<0.0410
Naphthalene	91-20-3	MG/KG	3.8	17	0.21						<0.0410
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38						<0.0810
Nitrobenzene	98-95-3	MG/KG	5.1	22							<0.0410
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470							<0.0410
Phenanthrene	85-01-8	MG/KG	3400	46000	68						<0.0410
Phenol	108-95-2	MG/KG	3600	50000	0.23						<0.0410
Pyrene	129-00-0	MG/KG	340	4600	220						<0.0410
Diesel Range Organics	394878-87-0	MG/KG									
Inorganics											
Antimony	7440-36-0	MG/KG	6.2	94	0.9						<0.885
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8						**2.78**
Barium	7440-39-3	MG/KG	3000	44000	580						**34.3**
Beryllium	7440-41-7	MG/KG	32	460	63						**0.473 J**
Cadmium	7440-43-9	MG/KG	14	200	3						<0.0670
Chromium	7440-47-3	MG/KG	24000	100000	360000						**13.3**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)						**1.71**
Copper	7440-50-8	MG/KG	620	9400	700						**3.15**
Lead	7439-92-1	MG/KG	400	800	270						**10.9**
Mercury	7439-97-6	MG/KG	1.9	8.0	1						**0.0595 J**
Nickel	7440-02-0	MG/KG	300	4400	130						**5.44**

Table 9
Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	C-SS3-5.5	C-SS4-3.5	C-SS4-5.5	C-SS6-3.5	CND-SS-1
						Sample Name	BRE-C-SS3-5.5	BRE-C-SS4-3.5	BRE-C-SS4-5.5	BRE-C-SS6-3.5	BRE-S-CND-SS-1(8-12)
						Date Sampled	08/31/1995	08/31/1995	08/31/1995	08/31/1995	08/03/2004
						Start Depth - End Depth					8 - 12
						Sample Purpose	FS	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		<0.934	<0.976	<0.968	<0.931	<0.155
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28						<1.10
Tin	7440-31-5	MG/KG	9400	100000	10000						**3.66 B**
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)						**30.2**
Zinc	7440-66-6	MG/KG	4600	70000	1200						**15.6**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

Table 9
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	CND-SS-2	CND-SS-3	GLYSAT-SS-1	JETCOOL-SS-1
						Sample Name	BRE-S-CND-SS-2(4-8)	BRE-S-CND-SS-3(8-12)	BRE-S-GLYSAT-SS-1(8-12)	BRE-S-JETCOOL-SS-1(16-20)
						Date Sampled	08/03/2004	08/03/2004	07/07/2004	07/09/2004
						Start Depth - End Depth	4 - 8	8 - 12	8 - 12	16 - 20
						Sample Purpose	FS	FS	FS	FS
Volatile Organic Compound										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0010	<0.0010	<0.0010	<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0030	<0.0040	<0.0030	<0.0040
Acetone	67-64-1	MG/KG	12000	100000	24		**0.0220**	**0.0370**	**0.0440**	<0.0090
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00050	<0.00060	<0.00060	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0010	<0.0010	**0.0260**	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0010	<0.0010	<0.0010	<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40				<2.5000	<2.3000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.0040	<0.0050	<0.0040	<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0030	<0.0040	<0.0030	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0020	**0.0060**	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0010	<0.0010	**0.0020 J**	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0010	<0.0010	**0.0040 J**	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0010	<0.0010	<0.0010	<0.0010
Semivolatile Organic Compound										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0400	<0.0390	<0.0390	<0.0400
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.0400	<0.0390	<0.0390	<0.0400
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.0400	<0.0390	<0.0390	<0.0400
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0400	<0.0390	<0.0390	<0.0400
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0400	<0.0390	<0.0390	<0.0400
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0400	<0.0390	<0.0390	<0.0400
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0800	<0.0790	<0.0770	<0.0800
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0800	<0.0790	<0.0770	<0.0800
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0400	<0.0390	<0.0390	<0.0400
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0400	<0.0390	<0.0390	<0.0400
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0400	<0.0390	<0.0390	<0.0400
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0400	<0.0390	<0.0390	<0.0400

Table 9
Constituents of Potential Concern in Water Supply Wells
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	CND-SS-2	CND-SS-3	GLYSAT-SS-1	JETCOOL-SS-1
						Sample Name	BRE-S-CND-SS-2(4-8)	BRE-S-CND-SS-3(8-12)	BRE-S-GLYSAT-SS-1(8-12)	BRE-S-JETCOOL-SS-1(16-20)
						Date Sampled	08/03/2004	08/03/2004	07/07/2004	07/09/2004
						Start Depth - End Depth	4 - 8	8 - 12	8 - 12	16 - 20
						Sample Purpose	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.0400	<0.0390	<0.0390	<0.0400
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0400	<0.0390	<0.0390	<0.0400
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0400	<0.0390	<0.0390	<0.0400
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0400	<0.0390	<0.0390	<0.0400
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0400	<0.0390	<0.0390	<0.0400
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0400	<0.0390	<0.0390	<0.0400
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.2000	<0.2000	<0.1900	<0.2000
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0400	<0.0390	**6.6000**	<0.0400
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1200	<0.1200	<0.1200	<0.1200
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0800	<0.0790	<0.0770	<0.0800
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0400	<0.0390	<0.0390	<0.0400
Chrysene	218-01-9	MG/KG	15	290	18		<0.0400	<0.0390	<0.0390	<0.0400
Diallate	2303-16-4	MG/KG	8.7	38			<0.0400	<0.0390	<0.0390	<0.0400
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0400	<0.0390	<0.0390	<0.0400
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0400	<0.0390	<0.0390	<0.0400
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0800	<0.0790	<0.0770	<0.0800
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0400	<0.0390	**23.0000**	<0.0400
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0400	<0.0390	<0.0390	<0.0400
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0400	<0.0390	<0.0390	<0.0400
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0400	<0.0390	<0.0390	<0.0400
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.0400	<0.0390	<0.0390	<0.0400
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0800	<0.0790	<0.0770	<0.0800
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0400	<0.0390	<0.0390	<0.0400
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0400	<0.0390	<0.0390	<0.0400
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0400	<0.0390	<0.0390	<0.0400
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0400	<0.0390	**0.1100 J**	<0.0400
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0400	<0.0390	<0.0390	<0.0400
Diesel Range Organics	394878-87-0	MG/KG								
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9		<0.866	<0.849	**1.38 J**	<0.875
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		**2.66**	**1.26**	**2.74**	**0.844 J**
Barium	7440-39-3	MG/KG	3000	44000	580		**46.9**	**55.8**	**33.5**	**34.4**
Beryllium	7440-41-7	MG/KG	32	460	63		**0.647**	**0.933**	**0.987**	**1.35**
Cadmium	7440-43-9	MG/KG	14	200	3		<0.0655	<0.0643	<0.0630	<0.0662
Chromium	7440-47-3	MG/KG	24000	100000	360000		**18.7**	**12.2**	**10.1**	**0.857**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		**3.61**	**3.98**	**2.34**	**1.07**
Copper	7440-50-8	MG/KG	620	9400	700		**6.32**	**3.29**	**4.80**	**0.458 J**
Lead	7439-92-1	MG/KG	400	800	270		**13.7**	**8.15**	**16.3**	**19.7**
Mercury	7439-97-6	MG/KG	1.9	8.0	1		**0.0489 B**	**0.0268 B**	**0.0455 B**	<0.0040
Nickel	7440-02-0	MG/KG	300	4400	130		**7.32**	**5.59**	**4.92**	**0.847 J**

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	CND-SS-2	CND-SS-3	GLYSAT-SS-1	JETCOOL-SS-1
						Sample Name	BRE-S-CND-SS-2(4-8)	BRE-S-CND-SS-3(8-12)	BRE-S-GLYSAT-SS-1(8-12)	BRE-S-JETCOOL-SS-1(16-20)
						Date Sampled	08/03/2004	08/03/2004	07/07/2004	07/09/2004
						Start Depth - End Depth	4 - 8	8 - 12	8 - 12	16 - 20
						Sample Purpose	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		<0.152	<0.149	<0.146	<0.154
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.08	<1.06	**1.27 J**	<1.09
Tin	7440-31-5	MG/KG	9400	100000	10000		**4.22 B**	**3.09 B**	**3.81 B**	**3.80 B**
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		**37.9**	**25.1**	**24.5**	**5.35**
Zinc	7440-66-6	MG/KG	4600	70000	1200		**23.2**	**21.6**	**21.6**	**22.5**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SILREC-SS-1	SWMU-17	SWMU101	SWMU13-SS-1
						Sample Name	BRE-S-SILREC-SS-1(8-12)	BRE-S-SWMU-17	BRE-S-SWMU101(8-12)	BRE-V-SWMU13-SS-1(4'-8')
						Date Sampled	07/08/2004	11/21/2002	09/10/2003	07/01/2004
						Start Depth - End Depth	8 - 12	12 - 16	8 - 12	4 - 8
						Sample Purpose	FS	FS	FS	FS
Volatile Organic Compound										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2			<0.1400 [U]		
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012			**13.0000**		
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032			<0.1400 [U]		
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03			<0.1400 [U]		
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3			<0.1400 [U]		
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002			<0.1400 [U]		
2-Hexanone	591-78-6	MG/KG	40	260	0.17			<0.4200 [U]		
Acetone	67-64-1	MG/KG	12000	100000	24			<0.9800 [U]		
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073			<0.1400 [U]		
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8			<0.1400 [U]		
Chlorobenzene	108-90-7	MG/KG	56	260	0.43			<0.1400 [U]		
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34			<0.1400 [U]		
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36			<0.1400 [U]		
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1			<0.1400 [U]		
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40					<2.7000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16			<0.5600 [U]		
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43			<0.4200 [U]		
Methylene Chloride	75-09-2	MG/KG	57	640	0.023			<0.2800 [U]		
Pentachloroethane	76-01-7	MG/KG	5.9	26				**0.6200**		
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005			**1.2000**		
Toluene	108-88-3	MG/KG	820	820	5.5			<0.1400 [U]		
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51			<0.1400 [U]		
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018			<0.1400 [U]		
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24			<0.2800 [U]		
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04			<0.1400 [U]		
Xylenes	1330-20-7	MG/KG	120	260	5.8			**0.2300**		
Semivolatile Organic Compound										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2			<0.0370 [U]		
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9						
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055					
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4			<0.0370 [U]		
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000				<0.0370 [U]		
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6			**0.3400**		
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10				<0.0750 [U]		
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12			<0.0750 [U]		
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085				<0.0370 [U]		
Acenaphthene	83-32-9	MG/KG	700	9000	8.4			<0.0370 [U]		
Acenaphthylene	208-96-8	MG/KG	700	9000	21			<0.0370 [U]		
Anthracene	120-12-7	MG/KG	3400	46000	660			<0.0370 [U]		

Table 9
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SILREC-SS-1	SWMU-17	SWMU101	SWMU13-SS-1
						Sample Name	BRE-S-SILREC-SS-1(8-12)	BRE-S-SWMU-17	BRE-S-SWMU101(8-12)	BRE-V-SWMU13-SS-1(4'-8')
						Date Sampled	07/08/2004	11/21/2002	09/10/2003	07/01/2004
						Start Depth - End Depth	8 - 12	12 - 16	8 - 12	4 - 8
						Sample Purpose	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3					
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18			<0.0370 [U]		
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6			<0.0370 [U]		
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800			<0.0370 [U]		
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9			<0.0370 [U]		
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059			<0.0370 [U]		
Benzoic Acid	65-85-0	MG/KG	50000	100000	130					
Biphenyl	92-52-4	MG/KG	9.4	40	43			**14.0000**		
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2			**0.3300**		
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150			<0.0750 [U]		
Carbazole	86-74-8	MG/KG	NA	NA	0.37					
Chrysene	218-01-9	MG/KG	15	290	18			<0.0370 [U]		
Diallate	2303-16-4	MG/KG	8.7	38				<0.0370 [U]		
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19			<0.0370 [U]		
Dibenzofuran	132-64-9	MG/KG	14	200	5.2			**0.0520**		
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19			<0.0750 [U]		
Diphenyl Ether	101-84-8	MG/KG	2700	19000				**40.0000**		
Fluoranthene	206-44-0	MG/KG	460	6000	330			<0.0370 [U]		
Fluorene	86-73-7	MG/KG	460	6000	56			<0.0370 [U]		
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2			<0.0370 [U]		
Naphthalene	91-20-3	MG/KG	3.8	17	0.21			**0.3900**		
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38			<0.0750 [U]		
Nitrobenzene	98-95-3	MG/KG	5.1	22				<0.0370 [U]		
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470				<0.0370 [U]		
Phenanthrene	85-01-8	MG/KG	3400	46000	68			**0.1400**		
Phenol	108-95-2	MG/KG	3600	50000	0.23			<0.0370 [U]		
Pyrene	129-00-0	MG/KG	340	4600	220			<0.0370 [U]		
Diesel Range Organics	394878-87-0	MG/KG								
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9			<0.80 [U]	<0.719	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8			**2.1**	**2.12**	
Barium	7440-39-3	MG/KG	3000	44000	580			**81.2**	**30.5**	
Beryllium	7440-41-7	MG/KG	32	460	63			**1.2**	**1.31**	
Cadmium	7440-43-9	MG/KG	14	200	3			<0.10 [U]	**0.0643 J**	
Chromium	7440-47-3	MG/KG	24000	100000	360000			**2.2**	**2.44**	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)			**8.6**	**4.36**	
Copper	7440-50-8	MG/KG	620	9400	700			**2.6**	**0.962 J**	
Lead	7439-92-1	MG/KG	400	800	270			**7.3**	**3.53**	
Mercury	7439-97-6	MG/KG	1.9	8.0	1		**0.0354 J**	<0.012 [U]	<0.0030	
Nickel	7440-02-0	MG/KG	300	4400	130			**4.5**	**2.71**	

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SILREC-SS-1	SWMU-17	SWMU101	SWMU13-SS-1
						Sample Name	BRE-S-SILREC-SS-1(8-12)	BRE-S-SWMU-17	BRE-S-SWMU101(8-12)	BRE-V-SWMU13-SS-1(4'-8')
						Date Sampled	07/08/2004	11/21/2002	09/10/2003	07/01/2004
						Start Depth - End Depth	8 - 12	12 - 16	8 - 12	4 - 8
						Sample Purpose	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		**0.165 J**	**0.50**	<0.163	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28			<1.1 [U]	<1.01	
Tin	7440-31-5	MG/KG	9400	100000	10000			**3.2**	**3.39 B**	
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)			**15.5**	**14.5**	
Zinc	7440-66-6	MG/KG	4600	70000	1200			**38.6**	**29.1**	

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-1	SWMU13-SS-2	SWMU13-SS-2
						Sample Name	BRE-V-SWMU13-SS-1(4-8)	BRE-V-SWMU13-SS-2(3'-7')	BRE-V-SWMU13-SS-2(3-7)
						Date Sampled	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	4 - 8	3 - 7	3 - 7
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0650		<0.0590
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0650		<0.0590
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0650		<0.0590
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0650		<0.0590 UJ
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0650		<0.0590 UJ
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0650		<0.0590
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.1900		<0.1800
Acetone	67-64-1	MG/KG	12000	100000	24		<0.4500		<0.4100
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		**0.7900**		<0.0300
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0650		<0.0590
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0650		<0.0590
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0650		<0.0590
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		**2.5000**		**1.3000 J**
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		**0.8400**		**0.3300 J**
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			<2.7000	
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		**0.3400 J**		<0.2400
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.1900		<0.1800
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.1300		<0.1200 UJ
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0650		<0.0590
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0650		**0.1400 J**
Toluene	108-88-3	MG/KG	820	820	5.5		**5.2000**		**0.1900 J**
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		**0.6000**		**0.3100 J**
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0650		<0.0590
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.1300		<0.1200
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0650		<0.0590
Xylenes	1330-20-7	MG/KG	120	260	5.8		**0.4900**		**2.0000 J**
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0400		<0.0400
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.0400		**0.0790 J**
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		**0.0840 J**		**0.0750 J**
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0400		<0.0400
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0400		<0.0400 UJ
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		**0.1100 J**		**0.0880 J**
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0810		<0.0810
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0810		<0.0810
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0400		<0.0400
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0400		<0.0400
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0400		<0.0400
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0400		<0.0400

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-1	SWMU13-SS-2	SWMU13-SS-2
						Sample Name	BRE-V-SWMU13-SS-1(4-8)	BRE-V-SWMU13-SS-2(3'-7')	BRE-V-SWMU13-SS-2(3-7)
						Date Sampled	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	4 - 8	3 - 7	3 - 7
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.0400 R		<0.0400 R
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0400		<0.0400
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0400		<0.0400
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0400		<0.0400
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0400		<0.0400
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0400		<0.0400
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.2000 UJ		<0.2000 UJ
Biphenyl	92-52-4	MG/KG	9.4	40	43		**3.3000**		**120.0000**
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1200		**0.1600 J**
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0810		<0.0810
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0400		<0.0400
Chrysene	218-01-9	MG/KG	15	290	18		<0.0400		<0.0400
Diallate	2303-16-4	MG/KG	8.7	38			<0.0400		**0.0960 J**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0400		<0.0400
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0400		**0.5000**
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0810		**0.0830 J**
Diphenyl Ether	101-84-8	MG/KG	2700	19000			**12.0000**		**340.0000**
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0400		<0.0400
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0400		<0.0400
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0400		<0.0400
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		**0.0460 J**		**0.0720 J**
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0810		<0.0810
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0400		<0.0400
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0400		<0.0400
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0400		**0.0510 J**
Phenol	108-95-2	MG/KG	3600	50000	0.23		**0.0840 J**		**0.0670 J**
Pyrene	129-00-0	MG/KG	340	4600	220		**0.0570 J**		<0.0400
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9		**1.02 J**		**2.16 J**
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		**1.35**		**1.80**
Barium	7440-39-3	MG/KG	3000	44000	580		**27.9**		**36.3**
Beryllium	7440-41-7	MG/KG	32	460	63		**0.859**		**0.916**
Cadmium	7440-43-9	MG/KG	14	200	3		**0.212 J**		**0.548 J**
Chromium	7440-47-3	MG/KG	24000	100000	360000		**3.03**		**6.99**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		**1.07**		**1.85**
Copper	7440-50-8	MG/KG	620	9400	700		**1.94**		**4.98**
Lead	7439-92-1	MG/KG	400	800	270		**6.66**		**11.3**
Mercury	7439-97-6	MG/KG	1.9	8.0	1		**0.0065 B**		**0.0581 J**
Nickel	7440-02-0	MG/KG	300	4400	130		**1.82**		**3.91**

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-1	SWMU13-SS-2	SWMU13-SS-2
						Sample Name	BRE-V-SWMU13-SS-1(4-8)	BRE-V-SWMU13-SS-2(3'-7')	BRE-V-SWMU13-SS-2(3-7)
						Date Sampled	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	4 - 8	3 - 7	3 - 7
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		<0.152		**0.651**
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.07		<1.08
Tin	7440-31-5	MG/KG	9400	100000	10000		**2.85 B**		**3.37 B**
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		**8.69**		**11.3**
Zinc	7440-66-6	MG/KG	4600	70000	1200		**21.1**		**40.2**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4
						Sample Name	BRE-V-SWMU13-SS-3(4'-8')	BRE-V-SWMU13-SS-3(4-8)	BRE-V-SWMU13-SS-4
						Date Sampled	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	4 - 8	4 - 8	3 - 7
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2			<0.0570	
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012			**2.3000**	
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032			<0.0570	
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03			<0.0570	
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3			<0.0570	
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002			<0.0570	
2-Hexanone	591-78-6	MG/KG	40	260	0.17			<0.1700	
Acetone	67-64-1	MG/KG	12000	100000	24			**1.2000**	
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073			<0.0280	
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8			<0.0570	
Chlorobenzene	108-90-7	MG/KG	56	260	0.43			<0.0570	
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34			<0.0570	
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36			**0.8900**	
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1			**0.0950 J**	
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<2.6000		<2.6000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16			<0.2300	
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43			<0.1700	
Methylene Chloride	75-09-2	MG/KG	57	640	0.023			<0.1100	
Pentachloroethane	76-01-7	MG/KG	5.9	26				<0.0570	
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005			**0.3300**	
Toluene	108-88-3	MG/KG	820	820	5.5			**0.1100 J**	
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51			**0.4600**	
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018			**0.5400**	
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24			<0.1100	
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04			<0.0570	
Xylenes	1330-20-7	MG/KG	120	260	5.8			**0.6300**	
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2			<0.4100	
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9				<0.4100	
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055			<0.4100	
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4			<0.4100	
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000				<0.4100	
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6			<0.4100	
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10				<0.8300	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12			<0.8300	
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085				<0.4100	
Acenaphthene	83-32-9	MG/KG	700	9000	8.4			<0.4100	
Acenaphthylene	208-96-8	MG/KG	700	9000	21			<0.4100	
Anthracene	120-12-7	MG/KG	3400	46000	660			<0.4100	

Table 9
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4
						Sample Name	BRE-V-SWMU13-SS-3(4'-8')	BRE-V-SWMU13-SS-3(4-8)	BRE-V-SWMU13-SS-4
						Date Sampled	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	4 - 8	4 - 8	3 - 7
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3			<0.4100 R	
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18			<0.4100	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6			<0.4100	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800			<0.4100	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9			<0.4100	
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059			<0.4100	
Benzoic Acid	65-85-0	MG/KG	50000	100000	130			**2.1000 J**	
Biphenyl	92-52-4	MG/KG	9.4	40	43			**200.0000**	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2			<1.2000	
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150			<0.8300	
Carbazole	86-74-8	MG/KG	NA	NA	0.37			<0.4100	
Chrysene	218-01-9	MG/KG	15	290	18			<0.4100	
Diallate	2303-16-4	MG/KG	8.7	38				<0.4100	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19			<0.4100	
Dibenzofuran	132-64-9	MG/KG	14	200	5.2			**0.7500 J**	
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19			<0.8300	
Diphenyl Ether	101-84-8	MG/KG	2700	19000				**530.0000**	
Fluoranthene	206-44-0	MG/KG	460	6000	330			<0.4100	
Fluorene	86-73-7	MG/KG	460	6000	56			<0.4100	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2			<0.4100	
Naphthalene	91-20-3	MG/KG	3.8	17	0.21			<0.4100	
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38			<0.8300	
Nitrobenzene	98-95-3	MG/KG	5.1	22				<0.4100	
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470				<0.4100	
Phenanthrene	85-01-8	MG/KG	3400	46000	68			<0.4100	
Phenol	108-95-2	MG/KG	3600	50000	0.23			**1.8000 J**	
Pyrene	129-00-0	MG/KG	340	4600	220			<0.4100	
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9			**2.49**	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8			**1.65**	
Barium	7440-39-3	MG/KG	3000	44000	580			**36.0**	
Beryllium	7440-41-7	MG/KG	32	460	63			**0.923**	
Cadmium	7440-43-9	MG/KG	14	200	3			**0.310 J**	
Chromium	7440-47-3	MG/KG	24000	100000	360000			**8.08**	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)			**2.08**	
Copper	7440-50-8	MG/KG	620	9400	700			**21.7**	
Lead	7439-92-1	MG/KG	400	800	270			**10.6**	
Mercury	7439-97-6	MG/KG	1.9	8.0	1			**0.0541 J**	
Nickel	7440-02-0	MG/KG	300	4400	130			**4.18**	

Table 9
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-3	SWMU13-SS-3	SWMU13-SS-4
						Sample Name	BRE-V-SWMU13-SS-3(4'-8')	BRE-V-SWMU13-SS-3(4-8)	BRE-V-SWMU13-SS-4
						Date Sampled	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	4 - 8	4 - 8	3 - 7
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4			**0.687**	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28			<1.13	
Tin	7440-31-5	MG/KG	9400	100000	10000			**3.52 B**	
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)			**11.8**	
Zinc	7440-66-6	MG/KG	4600	70000	1200			**496**	

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

Table 9
Constituents of Potential Concern in Water Supply Wells
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-5	SWMU13-SS-6
						Sample Name	BRE-V-SWMU13-SS-4(3-7)	BRE-V-SWMU13-SS-5	BRE-V-SWMU13-SS-5(3-7)	BRE-V-SWMU13-SS-6
						Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	3 - 7	3 - 7	3 - 7	3.5 - 7.5
						Sample Purpose	FS	FS	FS	FS
Volatile Organic Compound										
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0010		<0.0010	
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0010		<0.0010	
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0010		<0.0010	
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0010		<0.0010	
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0010		<0.0010	
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0010		<0.0010	
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0030		<0.0030	
Acetone	67-64-1	MG/KG	12000	100000	24		**0.0820**		**0.0500**	
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00050		<0.00050	
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		**0.0050**		**0.0020 J**	
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0010		<0.0010	
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0010		<0.0010	
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0010		**0.0020 J**	
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		**0.0110**		<0.0010	
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			<2.5000		<3.1000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		**0.0070 J**		<0.0040	
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0030		<0.0030	
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		**0.0020 J**		<0.0020	
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0010		<0.0010	
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0010		<0.0010	
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0010		<0.0010	
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0010		<0.0010	
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0010		<0.0010	
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0020		<0.0020	
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0010		<0.0010	
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0010		<0.0010	
Semivolatile Organic Compound										
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0410		<0.0400	
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.0410		<0.0400	
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.0410		<0.0400	
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0410		<0.0400	
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0410		<0.0400	
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0410		<0.0400	
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0820		<0.0800	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0820		<0.0800	
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0410		<0.0400	
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0410		<0.0400	
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0410		<0.0400	
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0410		<0.0400	

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-5	SWMU13-SS-6
						Sample Name	BRE-V-SWMU13-SS-4(3-7)	BRE-V-SWMU13-SS-5	BRE-V-SWMU13-SS-5(3-7)	BRE-V-SWMU13-SS-6
						Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	3 - 7	3 - 7	3 - 7	3.5 - 7.5
						Sample Purpose	FS	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.0410 R		<0.0400 R	
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0410		<0.0400	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0410		<0.0400	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0410		<0.0400	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0410		<0.0400	
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0410		<0.0400	
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.2100 UJ		<0.2000 UJ	
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0410		<0.0400	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1200		<0.1200	
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		**0.1600 J**		<0.0800	
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0410		<0.0400	
Chrysene	218-01-9	MG/KG	15	290	18		<0.0410		<0.0400	
Diallate	2303-16-4	MG/KG	8.7	38			<0.0410		<0.0400	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0410		<0.0400	
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0410		<0.0400	
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0820		<0.0800	
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0410		<0.0400	
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0410		<0.0400	
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0410		<0.0400	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0410		<0.0400	
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.0410		<0.0400	
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0820		<0.0800	
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0410		<0.0400	
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0410		<0.0400	
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0410		<0.0400	
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0410		<0.0400	
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0410		<0.0400	
Diesel Range Organics	394878-87-0	MG/KG								
Inorganics										
Antimony	7440-36-0	MG/KG	6.2	94	0.9		**0.985 J**		**0.913 J**	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		**1.67**		**2.63**	
Barium	7440-39-3	MG/KG	3000	44000	580		**32.8**		**21.7**	
Beryllium	7440-41-7	MG/KG	32	460	63		**0.858**		**0.762**	
Cadmium	7440-43-9	MG/KG	14	200	3		**0.388 J**		**0.358 J**	
Chromium	7440-47-3	MG/KG	24000	100000	360000		**8.81**		**11.7**	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		**1.68**		**1.31**	
Copper	7440-50-8	MG/KG	620	9400	700		**5.88**		**4.85**	
Lead	7439-92-1	MG/KG	400	800	270		**18.7**		**10.5**	
Mercury	7439-97-6	MG/KG	1.9	8.0	1		**0.0777 J**		**0.101 J**	
Nickel	7440-02-0	MG/KG	300	4400	130		**5.73**		**4.42**	

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-5	SWMU13-SS-6
						Sample Name	BRE-V-SWMU13-SS-4(3-7)	BRE-V-SWMU13-SS-5	BRE-V-SWMU13-SS-5(3-7)	BRE-V-SWMU13-SS-6
						Date Sampled	07/01/2004	07/01/2004	07/01/2004	07/01/2004
						Start Depth - End Depth	3 - 7	3 - 7	3 - 7	3.5 - 7.5
						Sample Purpose	FS	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		**0.961**		<0.155	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.10		<1.09	
Tin	7440-31-5	MG/KG	9400	100000	10000		**3.53 B**		**3.51 B**	
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		**23.6**		**23.0**	
Zinc	7440-66-6	MG/KG	4600	70000	1200		**25.5**		**16.3**	

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

Table 9
Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-6	SWMU16-SS-2	SWMU16-SS-2
						Sample Name	BRE-V-SWMU13-SS-6(3.5-7.5)	BRE-V-SWMU16-SS-2(4-8)	BRE-S-SWMU16-SS-2(8-12)
						Date Sampled	07/01/2004	07/12/2004	07/15/2004
						Start Depth - End Depth	3.5 - 7.5	4 - 8	8 - 12
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0890	<0.0930	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		**120.0000**	**220.0000**	**0.0240**
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		**0.2900 J**	**3.5000**	**0.0020 J**
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0890	<0.0930	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0890	<0.0930	<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		**0.1200 J**	**0.3000 J**	<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.2700	<0.2800	<0.0030
Acetone	67-64-1	MG/KG	12000	100000	24		<0.6200	<0.6500	**0.0120 J**
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.0440	<0.0470	<0.00050
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0890	<0.0930	<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0890	<0.0930	<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0890	<0.0930	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		**1.8000**	**6.1000**	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		**0.1600 J**	**11.0000**	<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			**3.2000 B**	<2.4000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.3500	<0.3700	<0.0040
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.2700	<0.2800	<0.0030
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.1800	<0.1900	<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0890	<0.0930	<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		**3.6000**	**23.0000**	<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5		**1.8000**	**2.7000**	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		**0.8300**	**0.3500 J**	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		**2.0000**	**4.6000**	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.1800	<0.1900	<0.0020
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0890	<0.0930	<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8		**1.0000**	**64.0000**	<0.0010
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		**1.1000 J**	<2.4000	<0.0380
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			**1.2000 J**	<2.4000	<0.0380
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		**1.6000 J**	**3.5000 J**	<0.0380
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.5300	<2.4000	<0.0380
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.5300	**36.0000**	<0.0380
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		**2.2000 J**	**3.9000 J**	<0.0380
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<1.1000	<4.8000	<0.0760
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<1.1000	<4.8000	<0.0760
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.5300	<2.4000	<0.0380
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.5300	<2.4000	<0.0380
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.5300	<2.4000	<0.0380
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.5300	<2.4000	<0.0380

Table 9
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-6	SWMU16-SS-2	SWMU16-SS-2
						Sample Name	BRE-V-SWMU13-SS-6(3.5-7.5)	BRE-V-SWMU16-SS-2(4-8)	BRE-S-SWMU16-SS-2(8-12)
						Date Sampled	07/01/2004	07/12/2004	07/15/2004
						Start Depth - End Depth	3.5 - 7.5	4 - 8	8 - 12
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.5300 R	**3.7000 J**	<0.0380
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.5300	<2.4000	<0.0380
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.5300	<2.4000	<0.0380
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.5300	<2.4000	<0.0380
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.5300	<2.4000	<0.0380
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.5300	<2.4000	<0.0380
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<2.7000 UJ	<12.0000	<0.1900
Biphenyl	92-52-4	MG/KG	9.4	40	43		**2000.0000**	**5100.0000**	<0.0380
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		**3.5000 J**	<7.1000	<0.1100
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<1.1000	<4.8000	<0.0760
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.5300	<2.4000	<0.0380
Chrysene	218-01-9	MG/KG	15	290	18		<0.5300	<2.4000	<0.0380
Diallate	2303-16-4	MG/KG	8.7	38			<0.5300	<2.4000	<0.0380
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.5300	<2.4000	<0.0380
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		**10.0000**	**18.0000 J**	<0.0380
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		**1.4000 J**	<4.8000	<0.0760
Diphenyl Ether	101-84-8	MG/KG	2700	19000			**5700.0000**	**13000.0000**	<0.0380
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.5300	<2.4000	<0.0380
Fluorene	86-73-7	MG/KG	460	6000	56		<0.5300	<2.4000	<0.0380
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.5300	<2.4000	<0.0380
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		**0.9300 J**	**6.8000 J**	<0.0380
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<1.1000	<4.8000	<0.0760
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.5300	<2.4000	<0.0380
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.5300	<2.4000	<0.0380
Phenanthrene	85-01-8	MG/KG	3400	46000	68		**0.9600 J**	<2.4000	<0.0380
Phenol	108-95-2	MG/KG	3600	50000	0.23		**1.0000 J**	<2.4000	<0.0380
Pyrene	129-00-0	MG/KG	340	4600	220		<0.5300	<2.4000	<0.0380
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9		**11.4**	**137**	<0.831 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		**1.33 J**	**7.99**	**0.937 J**
Barium	7440-39-3	MG/KG	3000	44000	580		**59.1**	**38.9**	**53.1**
Beryllium	7440-41-7	MG/KG	32	460	63		**0.930**	**0.428 J**	**2.26**
Cadmium	7440-43-9	MG/KG	14	200	3		**1.05**	**2.83**	<0.0629
Chromium	7440-47-3	MG/KG	24000	100000	360000		**53.0**	**53.7**	**1.07**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		**1.22**	**2.25**	**0.486 J**
Copper	7440-50-8	MG/KG	620	9400	700		**183**	**4.56**	**0.832 B**
Lead	7439-92-1	MG/KG	400	800	270		**22.0**	**19.3**	**7.80**
Mercury	7439-97-6	MG/KG	1.9	8.0	1		**0.731**	**0.678**	**0.0080 B**
Nickel	7440-02-0	MG/KG	300	4400	130		**3.48**	**352**	**0.917 J**

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU13-SS-6	SWMU16-SS-2	SWMU16-SS-2
						Sample Name	BRE-V-SWMU13-SS-6(3.5-7.5)	BRE-V-SWMU16-SS-2(4-8)	BRE-S-SWMU16-SS-2(8-12)
						Date Sampled	07/01/2004	07/12/2004	07/15/2004
						Start Depth - End Depth	3.5 - 7.5	4 - 8	8 - 12
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		**137**	**654**	**0.393 J**
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.47	<1.31	<1.03
Tin	7440-31-5	MG/KG	9400	100000	10000		**13.4 J**	**3.26 B**	**4.68 B**
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		**9.29**	**3290**	**239**
Zinc	7440-66-6	MG/KG	4600	70000	1200		**210**	**29.3**	**21.7**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU16-SS-3	SWMU16-SS-3	SWMU16-SS-4
						Sample Name	BRE-V-SWMU16-SS-3(4-8)	BRE-S-SWMU16-SS-3(8-12)	BRE-S-SWMU16-SS-4(4-8)
						Date Sampled	07/12/2004	07/15/2004	07/15/2004
						Start Depth - End Depth	4 - 8	8 - 12	4 - 8
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<2.6000	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		**39.0000**	**0.1900**	<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<2.6000	**0.0060**	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<2.6000	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<2.6000	<0.0010	<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<2.6000	**0.0010 J**	<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<7.7000	<0.0030	<0.0040
Acetone	67-64-1	MG/KG	12000	100000	24		<18.0000	**0.0300**	**0.0170 J**
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<1.3000	**0.0020 J**	<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<2.6000	<0.0010	<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<2.6000	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<2.6000	**0.0010 J**	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		**6.9000 J**	**0.0080**	<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<2.6000	**0.0010 J**	<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		**3.5000 B**	<2.6000	<2.2000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<10.0000	<0.0040	<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<7.7000	<0.0030	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<5.2000	<0.0020	<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26			<2.6000	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		**33.0000**	**0.2800 J**	<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5		**3.3000 J**	**0.0170**	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<2.6000	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		**20.0000**	**0.0980**	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<5.2000	<0.0020	<0.0020
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<2.6000	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8		**3.7000 J**	**0.0250**	<0.0010
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<6.4000	<0.0370	<0.0370
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<6.4000	<0.0370	<0.0370
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<6.4000	<0.0370	<0.0370
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<6.4000	<0.0370	<0.0370
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<6.4000	<0.0370	<0.0370
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<6.4000	<0.0370	<0.0370
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<13.0000	<0.0740	<0.0750
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<13.0000	**0.1700 J**	<0.0750
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<6.4000	<0.0370	<0.0370
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<6.4000	<0.0370	<0.0370
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<6.4000	<0.0370	<0.0370
Anthracene	120-12-7	MG/KG	3400	46000	660		<6.4000	<0.0370	<0.0370

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU16-SS-3	SWMU16-SS-3	SWMU16-SS-4
						Sample Name	BRE-V-SWMU16-SS-3(4-8)	BRE-S-SWMU16-SS-3(8-12)	BRE-S-SWMU16-SS-4(4-8)
						Date Sampled	07/12/2004	07/15/2004	07/15/2004
						Start Depth - End Depth	4 - 8	8 - 12	4 - 8
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<6.4000	<0.0370	<0.0370
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<6.4000	<0.0370	<0.0370
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<6.4000	<0.0370	<0.0370
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<6.4000	<0.0370	<0.0370
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<6.4000	<0.0370	<0.0370
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<6.4000	<0.0370	<0.0370
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<32.0000	<0.1800	<0.1900
Biphenyl	92-52-4	MG/KG	9.4	40	43		**540.0000**	**1.5000**	<0.0370
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<19.0000	<0.1100	**0.4600**
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<13.0000	<0.0740	<0.0750
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<6.4000	<0.0370	<0.0370
Chrysene	218-01-9	MG/KG	15	290	18		<6.4000	<0.0370	<0.0370
Diallate	2303-16-4	MG/KG	8.7	38			<6.4000	<0.0370	<0.0370
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<6.4000	<0.0370	<0.0370
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<6.4000	<0.0370	<0.0370
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<13.0000	<0.0740	<0.0750
Diphenyl Ether	101-84-8	MG/KG	2700	19000			**2800.0000**	**2.8000**	<0.0370
Fluoranthene	206-44-0	MG/KG	460	6000	330		<6.4000	<0.0370	<0.0370
Fluorene	86-73-7	MG/KG	460	6000	56		<6.4000	<0.0370	<0.0370
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<6.4000	<0.0370	<0.0370
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<6.4000	<0.0370	<0.0370
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<13.0000	<0.0740	<0.0750
Nitrobenzene	98-95-3	MG/KG	5.1	22			<6.4000	<0.0370	<0.0370
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<6.4000	<0.0370	<0.0370
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<6.4000	<0.0370	<0.0370
Phenol	108-95-2	MG/KG	3600	50000	0.23		<6.4000	<0.0370	<0.0370
Pyrene	129-00-0	MG/KG	340	4600	220		<6.4000	<0.0370	<0.0370
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9		**83.9**	<0.796 UJ	<0.806 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		**10.3**	**1.18**	**0.637 J**
Barium	7440-39-3	MG/KG	3000	44000	580		**35.2**	**107**	**20.9**
Beryllium	7440-41-7	MG/KG	32	460	63		**0.416 J**	**1.15**	**1.05**
Cadmium	7440-43-9	MG/KG	14	200	3		**4.44**	**0.328 J**	<0.0610
Chromium	7440-47-3	MG/KG	24000	100000	360000		**74.3**	**0.889**	**0.664**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		**0.928 J**	**0.367 J**	**0.452 J**
Copper	7440-50-8	MG/KG	620	9400	700		**4.83**	**0.705 B**	**0.558 B**
Lead	7439-92-1	MG/KG	400	800	270		**12.8**	**12.8**	**9.83**
Mercury	7439-97-6	MG/KG	1.9	8.0	1		**0.724**	**0.0110 B**	**0.0071 B**
Nickel	7440-02-0	MG/KG	300	4400	130		**51.8**	**0.974 J**	**0.303 J**

Table 9
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU16-SS-3	SWMU16-SS-3	SWMU16-SS-4
						Sample Name	BRE-V-SWMU16-SS-3(4-8)	BRE-S-SWMU16-SS-3(8-12)	BRE-S-SWMU16-SS-4(4-8)
						Date Sampled	07/12/2004	07/15/2004	07/15/2004
						Start Depth - End Depth	4 - 8	8 - 12	4 - 8
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		**672**	<0.140	<0.142
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.74	<0.989	**1.11 J**
Tin	7440-31-5	MG/KG	9400	100000	10000		**3.87 B**	**3.49 B**	**3.20 B**
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		**1310**	**2.34**	**2.74**
Zinc	7440-66-6	MG/KG	4600	70000	1200		**68.8**	**34.8**	**9.27**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

Table 9
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU16-SS-5	SWMU16-SS-5	SWMU17-SS-1
						Sample Name	BRE-V-SWMU16-SS-5(3-7)	BRE-S-SWMU16-SS-5(8-12)	BRE-V-SWMU17-SS-1(7-11)
						Date Sampled	07/12/2004	07/15/2004	08/11/2004
						Start Depth - End Depth	3 - 7	8 - 12	7 - 11
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		**0.3100 J**	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		**51.0000**	**0.3500**	**0.0640 J**
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		**3.6000**	**0.1300**	<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.1200	**0.0020 J**	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.1200	<0.0010	<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		**0.5500 J**	**0.0200**	<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.3500	<0.0040	<0.0040
Acetone	67-64-1	MG/KG	12000	100000	24		<0.8100	**0.0280**	**0.0200 J**
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		**2.1000**	**0.0660 J**	<0.00070
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.1200	**0.0020 J**	<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		**0.2300 J**	<0.0010	<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.1200	<0.0010	**0.0060 J**
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		**3.2000**	**0.0390 J**	**0.0150**
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		**4.0000**	**0.0060 J**	<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<2.9000	**4.2000 B**	<2.3000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.4600	**0.0050 J**	<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.3500	<0.0040	<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		**0.2400 J**	**0.0130 J**	<0.0030
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.1200	<0.0010	<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		**68.0000**	**0.0230 J**	**0.0050 J**
Toluene	108-88-3	MG/KG	820	820	5.5		**1.7000**	**0.0310 J**	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		**1.2000**	**0.0100 J**	<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		**19.0000**	**0.1600**	**0.0370**
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.2300	<0.0020	<0.0030
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.1200	<0.0010	<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8		**25.0000**	**0.0610 J**	<0.0010
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<2.9000	<0.0380	<0.0380
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<2.9000	<0.0380	<0.0380
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		**39.0000**	<0.0380	<0.0380
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<2.9000	**0.0530 J**	<0.0380
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			**11.0000 J**	<0.0380	<0.0380
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		**55.0000**	<0.0380	<0.0380
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<5.8000	<0.0760	<0.0770
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<5.8000	**0.3700 J**	<0.0770
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<2.9000	<0.0380	<0.0380
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		**23.0000 J**	<0.0380	<0.0380
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<2.9000	<0.0380	<0.0380
Anthracene	120-12-7	MG/KG	3400	46000	660		**15.0000 J**	<0.0380	<0.0380

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU16-SS-5	SWMU16-SS-5	SWMU17-SS-1
						Sample Name	BRE-V-SWMU16-SS-5(3-7)	BRE-S-SWMU16-SS-5(8-12)	BRE-V-SWMU17-SS-1(7-11)
						Date Sampled	07/12/2004	07/15/2004	08/11/2004
						Start Depth - End Depth	3 - 7	8 - 12	7 - 11
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<2.9000	<0.0380	<0.0380
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		**15.0000 J**	<0.0380	<0.0380
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		**3.0000 J**	<0.0380	<0.0380
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<2.9000	<0.0380	<0.0380
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<2.9000	<0.0380	<0.0380
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<2.9000	<0.0380	<0.0380
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<14.0000	<0.1900	<0.1900
Biphenyl	92-52-4	MG/KG	9.4	40	43		**4500.0000**	**0.6100**	<0.0380
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<8.7000	<0.1100	<0.1200
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<5.8000	<0.0760	<0.0770
Carbazole	86-74-8	MG/KG	NA	NA	0.37		**9.7000 J**	<0.0380	<0.0380
Chrysene	218-01-9	MG/KG	15	290	18		**13.0000 J**	<0.0380	<0.0380
Diallate	2303-16-4	MG/KG	8.7	38			<2.9000	<0.0380	<0.0380
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<2.9000	<0.0380	<0.0380
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		**46.0000**	<0.0380	<0.0380
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<5.8000	<0.0760	<0.0770
Diphenyl Ether	101-84-8	MG/KG	2700	19000			**11000.0000**	**13.0000**	<0.0380
Fluoranthene	206-44-0	MG/KG	460	6000	330		**110.0000**	<0.0380	<0.0380
Fluorene	86-73-7	MG/KG	460	6000	56		**37.0000**	<0.0380	<0.0380
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<2.9000	<0.0380	<0.0380
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		**160.0000**	<0.0380	<0.0380
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<5.8000	<0.0760	<0.0770
Nitrobenzene	98-95-3	MG/KG	5.1	22			<2.9000	<0.0380	<0.0380
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<2.9000	<0.0380	<0.0380
Phenanthrene	85-01-8	MG/KG	3400	46000	68		**200.0000**	<0.0380	<0.0380
Phenol	108-95-2	MG/KG	3600	50000	0.23		<2.9000	**0.0670 J**	<0.0380
Pyrene	129-00-0	MG/KG	340	4600	220		**79.0000**	<0.0380	<0.0380
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9		**295**	**3.16 J**	<0.845 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		**4.90**	**4.83**	**1.82**
Barium	7440-39-3	MG/KG	3000	44000	580		**17.6**	**135**	**100**
Beryllium	7440-41-7	MG/KG	32	460	63		**0.332 J**	**1.35**	**2.58**
Cadmium	7440-43-9	MG/KG	14	200	3		**0.995**	**0.879**	**0.400 J**
Chromium	7440-47-3	MG/KG	24000	100000	360000		**24.9**	**2.64**	**7.89**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		**0.723 J**	**0.853**	**2.45**
Copper	7440-50-8	MG/KG	620	9400	700		**4.07**	**1.39**	**0.809 J**
Lead	7439-92-1	MG/KG	400	800	270		**9.86**	**15.3**	**6.48**
Mercury	7439-97-6	MG/KG	1.9	8.0	1		**0.117 J**	**0.0239 J**	**0.0144 J**
Nickel	7440-02-0	MG/KG	300	4400	130		**4.80**	**1.71**	**2.38**

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

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU16-SS-5	SWMU16-SS-5	SWMU17-SS-1
						Sample Name	BRE-V-SWMU16-SS-5(3-7)	BRE-S-SWMU16-SS-5(8-12)	BRE-V-SWMU17-SS-1(7-11)
						Date Sampled	07/12/2004	07/15/2004	08/11/2004
						Start Depth - End Depth	3 - 7	8 - 12	7 - 11
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		**23.6**	<0.145	**1.91**
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.58	**1.54 J**	**1.38 J**
Tin	7440-31-5	MG/KG	9400	100000	10000		**4.23 B**	**4.36 B**	**1.97 B**
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		**81.7**	**3.46**	**15.6**
Zinc	7440-66-6	MG/KG	4600	70000	1200		**52.6**	**218**	**36.7**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU17-SS-1	SWMU17-SS-1	SWMU17-SS-2
						Sample Name	BRE-S-SWMU17-SS-1(13-17)	BRE-S-SWMU17-SS-1(13-17)	BRE-V-SWMU17-SS-2(3.5-6)
						Date Sampled	08/11/2004	08/11/2004	08/11/2004
						Start Depth - End Depth	13 - 17	13 - 17	3.5 - 6
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0020		**0.2300 J**
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		**0.4100**		**4.6000**
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0020		<0.0850
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0020		<0.0850
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0020		**0.3300 J**
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0020		<0.0850
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0050		<0.2500
Acetone	67-64-1	MG/KG	12000	100000	24		**0.0620**		<0.5900
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00090		<0.0420
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0020		<0.0850
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0020		<0.0850
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		**0.0230**		<0.0850
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		**0.0170**		**100.0000**
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0020		**3.2000**
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			<2.3000	<2.6000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.0070		<0.3400
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0050		<0.2500
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0030		<0.1700
Pentachloroethane	76-01-7	MG/KG	5.9	26			**0.0030 J**		<0.0850
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		**0.0810**		**5.0000**
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0020		**4.3000**
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0020		**0.0930 J**
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		**0.1200**		**24.0000**
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0030		<0.1700
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0020		<0.0850
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0020		**14.0000**
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0370		<0.4800
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.0370		<0.4800
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.0370		**2.1000 J**
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0370		<0.4800
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0370		<0.4800
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0370		**3.4000 J**
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0730		<0.9600
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0730		<0.9600
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0370		<0.4800
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0370		<0.4800
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0370		<0.4800
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0370		<0.4800

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU17-SS-1	SWMU17-SS-1	SWMU17-SS-2
						Sample Name	BRE-S-SWMU17-SS-1(13-17)	BRE-S-SWMU17-SS-1(13-17)	BRE-V-SWMU17-SS-2(3.5-6)
						Date Sampled	08/11/2004	08/11/2004	08/11/2004
						Start Depth - End Depth	13 - 17	13 - 17	3.5 - 6
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.0370		<0.4800
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0370		<0.4800
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0370		<0.4800
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0370		<0.4800
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0370		<0.4800
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0370		<0.4800
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.1800		<2.4000
Biphenyl	92-52-4	MG/KG	9.4	40	43		<0.0370		**940.0000**
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1100		<1.4000
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0730		<0.9600
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0370		<0.4800
Chrysene	218-01-9	MG/KG	15	290	18		<0.0370		<0.4800
Diallate	2303-16-4	MG/KG	8.7	38			<0.0370		<0.4800
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0370		<0.4800
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0370		**2.7000 J**
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0730		<0.9600
Diphenyl Ether	101-84-8	MG/KG	2700	19000			<0.0370		**2900.0000**
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0370		<0.4800
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0370		**0.4800 J**
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0370		<0.4800
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.0370		**2.8000 J**
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0730		<0.9600
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0370		<0.4800
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0370		**0.8600 J**
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0370		**1.1000 J**
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0370		<0.4800
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0370		<0.4800
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9		<0.790 UJ		**1.66 J**
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		**1.94**		**2.62**
Barium	7440-39-3	MG/KG	3000	44000	580		**153**		**79.6**
Beryllium	7440-41-7	MG/KG	32	460	63		**2.33**		**1.34**
Cadmium	7440-43-9	MG/KG	14	200	3		**0.371 J**		**0.833**
Chromium	7440-47-3	MG/KG	24000	100000	360000		**2.87**		**10.4**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		**2.56**		**3.89**
Copper	7440-50-8	MG/KG	620	9400	700		**0.680 J**		**12.7**
Lead	7439-92-1	MG/KG	400	800	270		**5.94**		**90.3**
Mercury	7439-97-6	MG/KG	1.9	8.0	1		<0.0035		**0.0263 J**
Nickel	7440-02-0	MG/KG	300	4400	130		**1.91**		**6.71**

Table 9
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU17-SS-1	SWMU17-SS-1	SWMU17-SS-2
						Sample Name	BRE-S-SWMU17-SS-1(13-17)	BRE-S-SWMU17-SS-1(13-17)	BRE-V-SWMU17-SS-2(3.5-6)
						Date Sampled	08/11/2004	08/11/2004	08/11/2004
						Start Depth - End Depth	13 - 17	13 - 17	3.5 - 6
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		**0.175 J**		**2.09**
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		**1.39 J**		<1.28
Tin	7440-31-5	MG/KG	9400	100000	10000		**2.85 B**		**4.91 B**
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		**15.6**		**23.2**
Zinc	7440-66-6	MG/KG	4600	70000	1200		**31.6**		**76.7**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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Constituents of Potential Concern in Water Supply Wells
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU17-SS-2	SWMU17C1	SWMU18-SS-1
						Sample Name	BRE-S-SWMU17-SS-2(8-12)	BRE-S-SWMU17C1(13-17)	BRE-V-SWMU18-SS-1(7-11)
						Date Sampled	08/11/2004	09/11/2003	07/21/2004
						Start Depth - End Depth	8 - 12	13 - 17	7 - 11
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		**0.2100 J**	**0.0020 J**	<0.0100
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		**27.0000**	**1.0000**	<0.0100
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0640	**0.0020 J**	<0.0100
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0640	<0.0010	<0.0100
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0640	<0.0010	<0.0100
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0640	<0.0010	<0.0100
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.1900	**0.0070 J**	<0.0300
Acetone	67-64-1	MG/KG	12000	100000	24		<0.4500	**0.1300**	**0.1000 J**
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.0320	<0.0010	<0.0050
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0640	<0.0010	<0.0100
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0640	<0.0010	<0.0100
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0640	<0.0010	<0.0100
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		**8.6000**	**1.3000**	<0.0100
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0640	**0.0020 J**	<0.0100
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<2.2000		<13.0000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.2600	<0.0050	<0.0400
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.1900	**0.0080 J**	<0.0300
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.1300	<0.0020	<0.0200
Pentachloroethane	76-01-7	MG/KG	5.9	26			**0.2800 J**	<0.0010	<0.0100
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		**10.0000**	**0.0240 J**	<0.0100
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0640	**0.0080 J**	<0.0100
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0640	<0.0010	<0.0100
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		**71.0000**	**1.5000**	<0.0100
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.1300	<0.0020	<0.0200
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0640	<0.0010	<0.0100
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0640	**0.0060 J**	<0.0100
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.4000	<0.0400	<0.1900
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.4000	<0.0400	<0.1900
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.4000	**0.0450 J**	<0.1900
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.4000	<0.0400	<0.1900
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.4000	<0.0400	<0.1900
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.4000	**0.0580 J**	<0.1900
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.7900	<0.0800	<0.3800
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.7900	<0.0800	<0.3800
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.4000	<0.0400	<0.1900
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.4000	<0.0400	<0.1900
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.4000	<0.0400	<0.1900
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.4000	<0.0400	<0.1900

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU17-SS-2	SWMU17C1	SWMU18-SS-1
						Sample Name	BRE-S-SWMU17-SS-2(8-12)	BRE-S-SWMU17C1(13-17)	BRE-V-SWMU18-SS-1(7-11)
						Date Sampled	08/11/2004	09/11/2003	07/21/2004
						Start Depth - End Depth	8 - 12	13 - 17	7 - 11
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.4000	<0.0400 R	<0.1900
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.4000	<0.0400	<0.1900
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.4000	<0.0400	<0.1900
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.4000	<0.0400	<0.1900
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.4000	<0.0400	<0.1900
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.4000	<0.0400	<0.1900
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<2.0000	**0.3400 J**	<0.9400
Biphenyl	92-52-4	MG/KG	9.4	40	43		**7.9000**		<0.1900
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		**4.5000**	**0.3900 J**	<0.5600
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.7900	<0.0800	<0.3800
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.4000	<0.0400	<0.1900
Chrysene	218-01-9	MG/KG	15	290	18		<0.4000	<0.0400	<0.1900
Diallate	2303-16-4	MG/KG	8.7	38			**0.6000 J**	<0.0400	<0.1900
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.4000	<0.0400	<0.1900
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.4000	**0.1000 J**	<0.1900
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.7900	<0.0800	<0.3800
Diphenyl Ether	101-84-8	MG/KG	2700	19000			**170.0000**		<0.1900
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.4000	<0.0400	<0.1900
Fluorene	86-73-7	MG/KG	460	6000	56		<0.4000	<0.0400	<0.1900
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.4000	<0.0400	<0.1900
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.4000	**0.0480 J**	<0.1900
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.7900	<0.0800	<0.3800
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.4000	<0.0400	<0.1900
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.4000	<0.0400	<0.1900
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.4000	<0.0400	<0.1900
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.4000	**0.1100 J**	<0.1900
Pyrene	129-00-0	MG/KG	340	4600	220		<0.4000	<0.0400	<0.1900
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9		<0.873 UJ	<0.772	<4.18
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		**1.52**	**3.15**	**4.09 J**
Barium	7440-39-3	MG/KG	3000	44000	580		**97.2**	**208**	**12.5 J**
Beryllium	7440-41-7	MG/KG	32	460	63		**1.70**	**2.08**	**0.333 J**
Cadmium	7440-43-9	MG/KG	14	200	3		**0.401 J**	**0.0714 J**	**1.28 J**
Chromium	7440-47-3	MG/KG	24000	100000	360000		**2.17**	**3.43**	**7.02 J**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		**4.97**	**3.04**	**1.47 J**
Copper	7440-50-8	MG/KG	620	9400	700		**3.06**	**1.87**	**45.4 J**
Lead	7439-92-1	MG/KG	400	800	270		**8.49**	**9.30**	**11.8 J**
Mercury	7439-97-6	MG/KG	1.9	8.0	1		<0.0039	<0.0033	**0.378 J**
Nickel	7440-02-0	MG/KG	300	4400	130		**2.53**	**1.82**	**12.3 J**

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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU17-SS-2	SWMU17C1	SWMU18-SS-1
						Sample Name	BRE-S-SWMU17-SS-2(8-12)	BRE-S-SWMU17C1(13-17)	BRE-V-SWMU18-SS-1(7-11)
						Date Sampled	08/11/2004	09/11/2003	07/21/2004
						Start Depth - End Depth	8 - 12	13 - 17	7 - 11
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		<0.153	<0.175	**33.0 J**
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		**1.29 J**	<1.09	<5.20
Tin	7440-31-5	MG/KG	9400	100000	10000		**3.16 B**	**3.21 B**	**12.4 J**
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		**15.7**	**14.6**	**3.42 J**
Zinc	7440-66-6	MG/KG	4600	70000	1200		**40.3**	**30.7**	**206000**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU18-SS-1	SWMU18-SS-2	SWMU19-SS-1
						Sample Name	BRE-V-SWMU18-SS-1(6-10)	BRE-V-SWMU18-SS-2(6-10)	BRE-V-SWMU19-SS-1 (3-7)
						Date Sampled	07/21/2004	07/21/2004	07/29/2004
						Start Depth - End Depth	6 - 10	6 - 10	3 - 7
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2			<0.1900	
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012			<0.1900	
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032			<0.1900	
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03			<0.1900	
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3			<0.1900	
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002			<0.1900	
2-Hexanone	591-78-6	MG/KG	40	260	0.17			<0.5600	
Acetone	67-64-1	MG/KG	12000	100000	24			<1.3000	
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073			<0.0930	
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8			<0.1900	
Chlorobenzene	108-90-7	MG/KG	56	260	0.43			<0.1900	
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34			<0.1900	
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36			<0.1900	
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1			<0.1900	
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<6.0000		<2.5000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16			<0.7500	
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43			<0.5600	
Methylene Chloride	75-09-2	MG/KG	57	640	0.023			<0.3700	
Pentachloroethane	76-01-7	MG/KG	5.9	26				<0.1900	
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005			<0.1900	
Toluene	108-88-3	MG/KG	820	820	5.5			<0.1900	
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51			<0.1900	
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018			<0.1900	
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24			<0.3700	
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04			<0.1900	
Xylenes	1330-20-7	MG/KG	120	260	5.8			<0.1900	
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2			<0.0880	
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9				<0.0880	
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055			<0.0880	
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4			<0.0880	
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000				<0.0880	
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6			<0.0880	
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10				<0.1800	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12			<0.1800	
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085				<0.0880	
Acenaphthene	83-32-9	MG/KG	700	9000	8.4			<0.0880	
Acenaphthylene	208-96-8	MG/KG	700	9000	21			<0.0880	
Anthracene	120-12-7	MG/KG	3400	46000	660			<0.0880	

Table 9
Constituents of Potential Concern in Water Supply Wells
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU18-SS-1	SWMU18-SS-2	SWMU19-SS-1
						Sample Name	BRE-V-SWMU18-SS-1(6-10)	BRE-V-SWMU18-SS-2(6-10)	BRE-V-SWMU19-SS-1 (3-7)
						Date Sampled	07/21/2004	07/21/2004	07/29/2004
						Start Depth - End Depth	6 - 10	6 - 10	3 - 7
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3			**0.0920 J**	
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18			**0.1900 J**	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6			**0.2500 J**	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800			**0.1700 J**	
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9			**0.0950 J**	
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059			**0.1700 J**	
Benzoic Acid	65-85-0	MG/KG	50000	100000	130			**0.8900 J**	
Biphenyl	92-52-4	MG/KG	9.4	40	43			**55.0000**	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2			**5.5000**	
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150			<0.1800	
Carbazole	86-74-8	MG/KG	NA	NA	0.37			<0.0880	
Chrysene	218-01-9	MG/KG	15	290	18			**0.2700 J**	
Diallate	2303-16-4	MG/KG	8.7	38				<0.0880	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19			<0.0880	
Dibenzofuran	132-64-9	MG/KG	14	200	5.2			**0.7900 J**	
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19			<0.1800	
Diphenyl Ether	101-84-8	MG/KG	2700	19000				**160.0000**	
Fluoranthene	206-44-0	MG/KG	460	6000	330			**0.6400 J**	
Fluorene	86-73-7	MG/KG	460	6000	56			**0.1500 J**	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2			**0.1400 J**	
Naphthalene	91-20-3	MG/KG	3.8	17	0.21			<0.0880	
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38			**0.2600 J**	
Nitrobenzene	98-95-3	MG/KG	5.1	22				<0.0880	
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470				<0.0880	
Phenanthrene	85-01-8	MG/KG	3400	46000	68			**0.3900 J**	
Phenol	108-95-2	MG/KG	3600	50000	0.23			<0.0880	
Pyrene	129-00-0	MG/KG	340	4600	220			**0.9500**	
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9			**129 J**	
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8			**9.61 J**	
Barium	7440-39-3	MG/KG	3000	44000	580			**36.5 J**	
Beryllium	7440-41-7	MG/KG	32	460	63			**1.41**	
Cadmium	7440-43-9	MG/KG	14	200	3			**12.6 J**	
Chromium	7440-47-3	MG/KG	24000	100000	360000			**1190 J**	
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)			**3.54 J**	
Copper	7440-50-8	MG/KG	620	9400	700			**199 J**	
Lead	7439-92-1	MG/KG	400	800	270			**45.4 J**	
Mercury	7439-97-6	MG/KG	1.9	8.0	1			**0.889 J**	
Nickel	7440-02-0	MG/KG	300	4400	130			**25.0 J**	

Table 9
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU18-SS-1	SWMU18-SS-2	SWMU19-SS-1
						Sample Name	BRE-V-SWMU18-SS-1(6-10)	BRE-V-SWMU18-SS-2(6-10)	BRE-V-SWMU19-SS-1 (3-7)
						Date Sampled	07/21/2004	07/21/2004	07/29/2004
						Start Depth - End Depth	6 - 10	6 - 10	3 - 7
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4			**642 J**	
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28			**16.7 J**	
Tin	7440-31-5	MG/KG	9400	100000	10000			**97.7**	
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)			**57.9 J**	
Zinc	7440-66-6	MG/KG	4600	70000	1200			**3000**	

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU19-SS-1	SWMU19-SS-2	SWMU19-SS-2
						Sample Name	BRE-V-SWMU19-SS-1(3-7)	BRE-V-SWMU19-SS-2 (3-7)	BRE-V-SWMU19-SS-2(3-7)
						Date Sampled	07/29/2004	07/29/2004	07/29/2004
						Start Depth - End Depth	3 - 7	3 - 7	3 - 7
						Sample Purpose	FS	FS	FS
Volatile Organic Compound									
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0010		<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0010		<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0010		<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0010		<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0010		<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0010		<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0030		<0.0040
Acetone	67-64-1	MG/KG	12000	100000	24		**0.0680**		**0.1100**
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		**0.0040 J**		**0.0010 J**
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0010		**0.0010 J**
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		**0.0040 J**		<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0010		<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		**0.0210**		**0.0100**
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0010		<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40			<2.6000	
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		**0.0080 J**		**0.0100 J**
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0030		<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0020		<0.0020
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0010		<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		**0.0030 J**		<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5		**0.0100**		**0.0020 J**
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0010		<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0010		<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0020		<0.0020
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		**0.0010 J**		<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8		**0.0020 J**		<0.0010
Semivolatile Organic Compound									
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.2000		<0.2000
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.2000		<0.2000
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.2000		<0.2000
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.2000		<0.2000
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.2000		<0.2000
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.2000		<0.2000
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.4000		<0.4000
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.4000		<0.4000
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.2000		<0.2000
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.2000		<0.2000
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.2000		<0.2000
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.2000		<0.2000

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU19-SS-1	SWMU19-SS-2	SWMU19-SS-2
						Sample Name	BRE-V-SWMU19-SS-1(3-7)	BRE-V-SWMU19-SS-2 (3-7)	BRE-V-SWMU19-SS-2(3-7)
						Date Sampled	07/29/2004	07/29/2004	07/29/2004
						Start Depth - End Depth	3 - 7	3 - 7	3 - 7
						Sample Purpose	FS	FS	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.2000		<0.2000
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.2000		<0.2000
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.2000		<0.2000
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.2000		<0.2000
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.2000		<0.2000
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.2000		<0.2000
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<1.0000		<0.9900
Biphenyl	92-52-4	MG/KG	9.4	40	43		**10.0000**		**2.0000**
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.6000		<0.6000
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.4000		<0.4000
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.2000		<0.2000
Chrysene	218-01-9	MG/KG	15	290	18		<0.2000		<0.2000
Diallate	2303-16-4	MG/KG	8.7	38			<0.2000		<0.2000
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.2000		<0.2000
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.2000		<0.2000
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.4000		<0.4000
Diphenyl Ether	101-84-8	MG/KG	2700	19000			**36.0000**		**7.8000**
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.2000		<0.2000
Fluorene	86-73-7	MG/KG	460	6000	56		<0.2000		<0.2000
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.2000		<0.2000
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.2000		<0.2000
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.4000		<0.4000
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.2000		<0.2000
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.2000		<0.2000
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.2000		<0.2000
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.2000		<0.2000
Pyrene	129-00-0	MG/KG	340	4600	220		<0.2000		<0.2000
Diesel Range Organics	394878-87-0	MG/KG							
Inorganics									
Antimony	7440-36-0	MG/KG	6.2	94	0.9		**2.46**		**1.04 J**
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		**1.75 B**		**1.61 B**
Barium	7440-39-3	MG/KG	3000	44000	580		**34.8**		**33.9**
Beryllium	7440-41-7	MG/KG	32	460	63		**1.14**		**1.20**
Cadmium	7440-43-9	MG/KG	14	200	3		<0.0647		<0.0655
Chromium	7440-47-3	MG/KG	24000	100000	360000		**6.36**		**6.36**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		**2.05**		**2.46**
Copper	7440-50-8	MG/KG	620	9400	700		**3.31**		**2.44**
Lead	7439-92-1	MG/KG	400	800	270		**14.6**		**18.1**
Mercury	7439-97-6	MG/KG	1.9	8.0	1		**0.0249 J**		**0.0258 J**
Nickel	7440-02-0	MG/KG	300	4400	130		**4.58**		**5.05**

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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU19-SS-1	SWMU19-SS-2	SWMU19-SS-2
						Sample Name	BRE-V-SWMU19-SS-1(3-7)	BRE-V-SWMU19-SS-2 (3-7)	BRE-V-SWMU19-SS-2(3-7)
						Date Sampled	07/29/2004	07/29/2004	07/29/2004
						Start Depth - End Depth	3 - 7	3 - 7	3 - 7
						Sample Purpose	FS	FS	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		**0.411 J**		**0.281 J**
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.06		<1.08
Tin	7440-31-5	MG/KG	9400	100000	10000		**4.35 B**		**3.98 B**
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		**15.4**		**17.2**
Zinc	7440-66-6	MG/KG	4600	70000	1200		**30.8**		**23.3**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU3A-SS-1
						Sample Name	BRE-S-SWMU3A-SS-1(2-6)
						Date Sampled	07/23/2004
						Start Depth - End Depth	2 - 6
						Sample Purpose	FS
Volatile Organic Compound							
1,1,1-Trichloroethane	71-55-6	MG/KG	640	640	1.2		<0.0010
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.60	2.7	0.0012		<0.0010
1,1,2-Trichloroethane	79-00-5	MG/KG	0.30	1.3	0.0032		<0.0010
1,1-Dichloroethane	75-34-3	MG/KG	3.6	16	0.03		<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46	200	2.3		<0.0010
1,2-Dichloroethane	107-06-2	MG/KG	0.46	2.0	0.002		<0.0010
2-Hexanone	591-78-6	MG/KG	40	260	0.17		<0.0040
Acetone	67-64-1	MG/KG	12000	100000	24		**0.0170 J**
Benzene	71-43-2	MG/KG	1.2	5.1	0.0073		<0.00060
Carbon Disulfide	75-15-0	MG/KG	150	700	3.8		<0.0010
Chlorobenzene	108-90-7	MG/KG	56	260	0.43		<0.0010
Chloroform	67-66-3	MG/KG	0.32	1.4	0.34		<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32	460	0.36		<0.0010
Ethylbenzene	100-41-4	MG/KG	5.8	25	8.1		<0.0010
Ethylene Glycol	107-21-1	MG/KG	24000	100000	40		<2.6000
Methyl Ethyl Ketone	78-93-3	MG/KG	5400	38000	16		<0.0050
Methyl Isobutyl Ketone	108-10-1	MG/KG	1100	11000	0.43		<0.0040
Methylene Chloride	75-09-2	MG/KG	57	640	0.023		<0.0030
Pentachloroethane	76-01-7	MG/KG	5.9	26			<0.0010
Tetrachloroethene	127-18-4	MG/KG	16	78	0.005		<0.0010
Toluene	108-88-3	MG/KG	820	820	5.5		<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	320	4600	0.51		<0.0010
Trichloroethene	79-01-6	MG/KG	0.82	3.8	0.018		<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	150	620	24		<0.0030
Vinyl Chloride	75-01-4	MG/KG	0.059	1.7	1.90E-04		<0.0010
Xylenes	1330-20-7	MG/KG	120	260	5.8		<0.0010
Semivolatile Organic Compound							
1,2,4-Trichlorobenzene	120-82-1	MG/KG	12	52	2.2		<0.0400
1,2-Diphenylhydrazine	122-66-7	MG/KG	0.67	2.9			<0.0400
1-Methylnaphthalene	90-12-0	MG/KG	17	73	0.055		<0.0400
2,4-Dimethylphenol	105-67-9	MG/KG	240	3200	1.4		<0.0400
2-Chloronaphthalene	91-58-7	MG/KG	1300	19000			<0.0400
2-Methylnaphthalene	91-57-6	MG/KG	46	600	1.6		<0.0400
3-Methylcholanthrene	56-49-5	MG/KG	0.0054	0.10			<0.0800
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	1200	16000	12		<0.0800
7,12-Dimethylbenz[A]Anthracene	57-97-6	MG/KG	0.00045	0.0085			<0.0400
Acenaphthene	83-32-9	MG/KG	700	9000	8.4		<0.0400
Acenaphthylene	208-96-8	MG/KG	700	9000	21		<0.0400
Anthracene	120-12-7	MG/KG	3400	46000	660		<0.0400

Table 9
Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU3A-SS-1
						Sample Name	BRE-S-SWMU3A-SS-1(2-6)
						Date Sampled	07/23/2004
						Start Depth - End Depth	2 - 6
						Sample Purpose	FS
Benzaldehyde	100-52-7	MG/KG	1200	1200	3		<0.0400
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	2.9	0.18		<0.0400
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	2.9	0.6		<0.0400
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340	4600	7800		<0.0400
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	29	5.9		<0.0400
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.29	0.059		<0.0400
Benzoic Acid	65-85-0	MG/KG	50000	100000	130		<0.2000 R
Biphenyl	92-52-4	MG/KG	9.4	40	43		
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	38	160	7.2		<0.1200
Butyl Benzyl Phthalate	85-68-7	MG/KG	280	1200	150		<0.0800
Carbazole	86-74-8	MG/KG	NA	NA	0.37		<0.0400
Chrysene	218-01-9	MG/KG	15	290	18		<0.0400
Diallate	2303-16-4	MG/KG	8.7	38			<0.0400
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.29	0.19		<0.0400
Dibenzofuran	132-64-9	MG/KG	14	200	5.2		<0.0400
Di-N-Butyl Phthalate	84-74-2	MG/KG	1200	16000	19		<0.0800
Diphenyl Ether	101-84-8	MG/KG	2700	19000			
Fluoranthene	206-44-0	MG/KG	460	6000	330		<0.0400
Fluorene	86-73-7	MG/KG	460	6000	56		<0.0400
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	2.9	2		<0.0400
Naphthalene	91-20-3	MG/KG	3.8	17	0.21		<0.0400
N-Dioctyl Phthalate	117-84-0	MG/KG	120	1600	38		<0.0800
Nitrobenzene	98-95-3	MG/KG	5.1	22			<0.0400
N-Nitrosodiphenylamine	86-30-6	MG/KG	110	470			<0.0400
Phenanthrene	85-01-8	MG/KG	3400	46000	68		<0.0400
Phenol	108-95-2	MG/KG	3600	50000	0.23		<0.0400
Pyrene	129-00-0	MG/KG	340	4600	220		<0.0400
Diesel Range Organics	394878-87-0	MG/KG					
Inorganics							
Antimony	7440-36-0	MG/KG	6.2	94	0.9		<0.881 UJ
Arsenic	7440-38-2	MG/KG	0.67 (4.81)	3 (4.81)	5.8		**2.01**
Barium	7440-39-3	MG/KG	3000	44000	580		**50.6 J**
Beryllium	7440-41-7	MG/KG	32	460	63		**1.27**
Cadmium	7440-43-9	MG/KG	14	200	3		<0.0666
Chromium	7440-47-3	MG/KG	24000	100000	360000		**6.39 J**
Cobalt	7440-48-4	MG/KG	4.6 (14.7)	70	0.9 (14.7)		**2.97**
Copper	7440-50-8	MG/KG	620	9400	700		**4.37**
Lead	7439-92-1	MG/KG	400	800	270		**20.1 J**
Mercury	7439-97-6	MG/KG	1.9	8.0	1		**0.0235 J**
Nickel	7440-02-0	MG/KG	300	4400	130		**5.14**

Table 9
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Analyte	CAS No.	Units	NC PSRG - Residential	NC PSRG - Industrial	NC PSRG - Protection of Mig to GW	Location ID	SWMU3A-SS-1
						Sample Name	BRE-S-SWMU3A-SS-1(2-6)
						Date Sampled	07/23/2004
						Start Depth - End Depth	2 - 6
						Sample Purpose	FS
Silver	7440-22-4	MG/KG	78	1200	3.4		<0.155
Thallium	7440-28-0	MG/KG	0.16	2.4	0.28		<1.09
Tin	7440-31-5	MG/KG	9400	100000	10000		**5.22 B**
Vanadium	7440-62-2	MG/KG	78	1200	6 (22.8)		**15.3**
Zinc	7440-66-6	MG/KG	4600	70000	1200		**28.7**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in historical subsurface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value *Value for phenanthrene is anthracene*

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

Table 10A
Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Location of Max Result	NC PSRG - Mig to GW	No. of Detects Above PSRG
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	53	1	0.025	0.025	SWMU13-SS-6	0.0012	1
1,1-Dichloroethene	75-35-4	MG/KG	53	2	0.001	0.019	MA-SS-7	2.3	0
Acetone	67-64-1	MG/KG	53	51	0.01	0.1	SWMU13-SS-2	24	0
Benzene	71-43-2	MG/KG	53	1	0.001	0.001	SWMU15-SBS-1	0.0073	0
Carbon Disulfide	75-15-0	MG/KG	53	15	0.0009	0.005	MA-SS-7	3.8	0
cis-1,2 Dichloroethene	156-59-2	MG/KG	53	1	0.002	0.002	SWMU13-SS-6	0.36	0
Ethylbenzene	100-41-4	MG/KG	53	1	0.01	0.01	SWMU19-SS-1	8.1	0
Methyl Ethyl Ketone	78-93-3	MG/KG	53	1	0.004	0.004	SWMU13-SS-3	16	0
Methylene Chloride	75-09-2	MG/KG	53	3	0.005	0.01	SWMU16-SS-9	0.023	0
Tetrachloroethene	127-18-4	MG/KG	53	7	0.002	0.086	SWMU16-SS-9	0.005	3
Toluene	108-88-3	MG/KG	53	1	0.002	0.002	SWMU19-SS-1	5.5	0
trans-1,2-Dichloroethene	156-60-5	MG/KG	53	1	0.002	0.002	SWMU13-SS-6	0.51	0
Trichloroethene	79-01-6	MG/KG	53	6	0.001	0.013	SWMU13-SS-6	0.018	0
Trichlorofluoromethane	75-69-4	MG/KG	53	3	0.002	0.025	MA-SS-7	24	0
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	53	1	0.02	0.02	SWMU19-SS-3	0.097	0
2,4-Dimethylphenol	105-67-9	MG/KG	53	1	0.15	0.15	MA-SS-2	1.4	0
2-Methylnaphthalene	91-57-6	MG/KG	53	17	0.004	3.2	MA-SS-2	1.6	1
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	53	1	0.025	0.025	MA-SS-5	4.1	0
3-Methylcholanthrene	56-49-5	MG/KG	53	6	0.02	0.32	MA-SS-4	No Value	-
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	53	2	0.023	0.31	MA-SS-2	12	0
Acenaphthene	83-32-9	MG/KG	53	26	0.004	4.9	MA-SS-2	8.4	0
Acenaphthylene	208-96-8	MG/KG	53	21	0.004	1.5	MA-SS-2	21	0
Acetophenone	98-86-2	MG/KG	53	2	0.026	0.035	MA-SS-5	3.5	0
Anthracene	120-12-7	MG/KG	53	27	0.004	12	MA-SS-2	660	0
Benzo(A)Anthracene	56-55-3	MG/KG	53	48	0.004	32	MA-SS-2	0.18	15
Benzo(B)Fluoranthene	205-99-2	MG/KG	53	51	0.005	32	MA-SS-2	0.6	12
Benzo(G,H,I)Perylene	191-24-2	MG/KG	53	51	0.004	11	MA-SS-2	7800	0
Benzo(K)Fluoranthene	207-08-9	MG/KG	53	49	0.004	9.5	MA-SS-2	5.9	3
Benzo[A]Pyrene	50-32-8	MG/KG	53	51	0.005	18	MA-SS-2	0.059	23

Table 10A
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Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Location of Max Result	NC PSRG - Mig to GW	No. of Detects Above PSRG
Benzyl Alcohol	100-51-6	MG/KG	53	1	0.42	0.42	MA-SS-5	3.1	0
Biphenyl	92-52-4	MG/KG	53	13	0.02	0.98	MA-SS-2	43	0
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	53	2	0.48	0.5	MA-SS-2	7.2	0
Butyl Benzyl Phthalate	85-68-7	MG/KG	53	1	0.16	0.16	MA-SS-5	150	0
Chrysene	218-01-9	MG/KG	53	49	0.004	20	MA-SS-2	18	2
Dibenz(A,H)Anthracene	53-70-3	MG/KG	53	38	0.005	3.5	MA-SS-2	0.19	8
Dibenzofuran	132-64-9	MG/KG	53	12	0.028	4.6	MA-SS-2	5.2	0
Diphenyl Ether	101-84-8	MG/KG	53	14	0.022	3.8	MA-SS-5	5.6	0
Fluoranthene	206-44-0	MG/KG	53	47	0.004	71	MA-SS-2	330	0
Fluorene	86-73-7	MG/KG	53	26	0.004	8.6	MA-SS-2	56	0
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	53	50	0.005	11	MA-SS-2	2	5
Naphthalene	91-20-3	MG/KG	53	20	0.004	7.3	MA-SS-2	0.21	4
Phenanthrene	85-01-8	MG/KG	53	43	0.004	56	MA-SS-2	68	0
Phenol	108-95-2	MG/KG	53	1	0.024	0.024	SWMU13-SS-1	0.23	0
Pyrene	129-00-0	MG/KG	53	48	0.005	48	MA-SS-2	220	0
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	8	1	0.7	0.7	MA-SS-5	0.14	1
PCB 1254	11097-69-1	MG/KG	8	7	0.012	0.43	MA-SS-5	0.14	1
PCB 1260	11096-82-5	MG/KG	8	4	0.0086	0.14	MA-SS-5	0.14	0
Inorganics									
Antimony	7440-36-0	MG/KG	53	30	0.1	5.83	MA-SS-5	0.9	6
Arsenic	7440-38-2	MG/KG	53	53	0.756	5.48	MA-SS-3	5.8	0
Barium	7440-39-3	MG/KG	53	53	17.1	107	MA-SS-3	580	0
Beryllium	7440-41-7	MG/KG	53	53	0.51	1.5	SWMU15-SS-2	63	0
Cadmium	7440-43-9	MG/KG	53	44	0.0484	0.747	MA-SS-5	3	0
Chromium	7440-47-3	MG/KG	53	53	1.36	14.2	MA-SS-5	360000	0
Cobalt	7440-48-4	MG/KG	53	53	0.879	5.07	MA-SS-6	0.9 (14.7)	0
Copper	7440-50-8	MG/KG	53	53	1.72	36.7	SWMU15-SBS-1	700	0
Lead	7439-92-1	MG/KG	53	53	5.68	34.2	MA-SS-5	270	0
Mercury	7439-97-6	MG/KG	53	47	0.0119	0.152	SWMU13-SS-10	1	0
Nickel	7440-02-0	MG/KG	53	53	2	80.3	SWMU15-SS-5	130	0

Table 10A
Constituents of Potential Concern in Water Supply Wells
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Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Location of Max Result	NC PSRG - Mig to GW	No. of Detects Above PSRG
Selenium	7782-49-2	MG/KG	53	53	0.134	0.728	SWMU15-SS-2	2.1	0
Silver	7440-22-4	MG/KG	53	13	0.306	36.5	MA-SS-2	3.4	6
Thallium	7440-28-0	MG/KG	53	53	0.104	0.638	MA-SS-6	0.28	25
Tin	7440-31-5	MG/KG	53	53	2.57	4.5	MA-SS-5	10000	0
Vanadium	7440-62-2	MG/KG	53	53	4	28.1	MA-SS-3	6 (22.8)	4
Zinc	7440-66-6	MG/KG	53	53	9.89	236	MA-SS-5	1200	0

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Water Supply Wells
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Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	MA-SS-1	MA-SS-2	MA-SS-2	MA-SS-3	MA-SS-4	MA-SS-5	MA-SS-6
				Field Sample ID	SSP14-MA-SS-1	SSP14-MA-SS-2	SSP14-MA-SS-2-D	SSP14-MA-SS-3	SSP14-MA-SS-4	SSP14-MA-SS-5	SSP14-MA-SS-6
				Date Sampled	12/02/2014	12/02/2014	12/02/2014	12/03/2014	12/02/2014	12/03/2014	12/02/2014
				Sample Purpose	FS	FS	DUP	FS	FS	FS	FS
Volatile Organic Compounds											
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.0010 J**
Acetone	67-64-1	MG/KG	24		**0.0100 J**	**0.037**	**0.039**	**0.026**	**0.028**	**0.026**	**0.047**
Benzene	71-43-2	MG/KG	0.0073		<0.00060	<0.00060	<0.00060	<0.00060	<0.00050	<0.00060	<0.00050
Carbon Disulfide	75-15-0	MG/KG	3.8		**0.0040 J**	**0.0010 J**	<0.0010	**0.0010 J**	<0.0010	**0.0040 J**	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0050	<0.0040	<0.0050	<0.0050	<0.0040	<0.0050	<0.0040
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.018		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0020	**0.0020 J**	**0.0030 J**	<0.0020
Semivolatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0190	<0.0970 UJ	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0190	<0.0970	**0.1500 J**	<0.0190	<0.0980	<0.0190	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	1.6		**0.0080 J**	**0.5500 J**	**3.2000 J**	**0.0050 J**	**0.75**	**0.086**	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	**0.0250 J**	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0190	**0.28**	**0.32**	<0.0190	**0.32**	**0.082**	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0190	<0.0970	**0.31**	<0.0190	<0.0980	<0.0190	<0.0190
Acenaphthene	83-32-9	MG/KG	8.4		**0.052**	**2.5000 J**	**4.9000 J**	**0.038**	**4**	**0.6**	<0.0040
Acenaphthylene	208-96-8	MG/KG	21		**0.0150 J**	**1.5000 J**	**1.1**	**0.0120 J**	**0.37**	**0.093**	<0.0040
Acetophenone	98-86-2	MG/KG	3.5		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	**0.0350 J**	<0.0190
Anthracene	120-12-7	MG/KG	660		**0.15**	**9.1**	**12**	**0.11**	**8.8**	**1.5**	**0.0060 J**
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		**0.51**	**22**	**32**	**0.42**	**19**	**5.1**	**0.028**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		**0.66**	**22**	**32**	**0.53**	**20**	**6.3**	**0.049**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		**0.38**	**11**	**11**	**0.3**	**7.9**	**2.9**	**0.0190 J**
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		**0.25**	**9**	**9.5**	**0.22**	**6.4**	**1.8**	**0.0100 J**
Benzo[A]Pyrene	50-32-8	MG/KG	0.059		**0.49**	**17**	**18**	**0.39**	**14**	**4**	**0.032**
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.1900	<0.9700	<0.9700	<0.1900	<0.9800	**0.4200 J**	<0.1900
Biphenyl	92-52-4	MG/KG	43		**0.11**	**0.4300 J**	**0.9800 J**	<0.0190	**0.33**	**0.88**	<0.0190
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0750	**0.5000 J**	<0.3900	<0.0760	<0.3900	**0.48**	<0.0770
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0750	<0.3900	<0.3900	<0.0760	<0.3900	**0.1600 J**	<0.0770
Chrysene	218-01-9	MG/KG	18		**0.47**	**19**	**20**	**0.39**	**17**	**4.4**	**0.026**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		**0.099**	**3.1000 J**	**3.5**	**0.06**	**3**	**0.84**	**0.0080 J**
Dibenzofuran	132-64-9	MG/KG	5.2		**0.0280 J**	**1.2000 J**	**4.6000 J**	<0.0190	**2.2**	**0.28**	<0.0190
Diphenyl Ether	101-84-8	MG/KG	5.6		**0.48**	**0.5**	**0.41**	**0.057**	**0.3**	**3.8**	<0.0190
Fluoranthene	206-44-0	MG/KG	330		**1**	**58**	**71**	**0.78**	**48**	**9.6**	**0.04**
Fluorene	86-73-7	MG/KG	56		**0.058**	**4.1000 J**	**8.6000 J**	**0.039**	**4.4**	**0.58**	<0.0040

Table 10B
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	MA-SS-1	MA-SS-2	MA-SS-2	MA-SS-3	MA-SS-4	MA-SS-5	MA-SS-6
				Field Sample ID	SSP14-MA-SS-1	SSP14-MA-SS-2	SSP14-MA-SS-2-D	SSP14-MA-SS-3	SSP14-MA-SS-4	SSP14-MA-SS-5	SSP14-MA-SS-6
				Date Sampled	12/02/2014	12/02/2014	12/02/2014	12/03/2014	12/02/2014	12/03/2014	12/02/2014
				Sample Purpose	FS	FS	DUP	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		**0.33**	**10**	**11**	**0.25**	**8.1**	**2.8**	**0.023**
Naphthalene	91-20-3	MG/KG	0.21		**0.0170 J**	**0.6400 J**	**7.3000 J**	**0.0070 J**	**1.2**	**0.2**	<0.0040
Phenanthrene	85-01-8	MG/KG	68		**0.62**	**36**	**56**	**0.42**	**36**	**5.5**	**0.0180 J**
Phenol	108-95-2	MG/KG	0.23		<0.0190	<0.0970	<0.0970	<0.0190	<0.0980	<0.0190	<0.0190
Pyrene	129-00-0	MG/KG	220		**0.82**	**41**	**48**	**0.65**	**23**	**7.2**	**0.034**
Polychlorinated Biphenyls											
PCB 1248	12672-29-6	MG/KG	0.14		<0.00370	<0.00380	<0.0190	<0.00380	<0.00390	**0.7**	<0.00380
PCB 1254	11097-69-1	MG/KG	0.14		**0.0170 J**	**0.2400 J**	**0.1900 J**	**0.0120 J**	**0.082**	**0.43**	<0.00380
PCB 1260	11096-82-5	MG/KG	0.14		**0.00860 J**	<0.00570	<0.0290	<0.00560	**0.0220**	**0.1400**	<0.00560
Inorganics											
Antimony	7440-36-0	MG/KG	0.9		**0.393 J**	**0.859**	**0.619 J**	**1.52**	**0.491**	**5.83**	**0.148 J**
Arsenic	7440-38-2	MG/KG	5.8		**1.31 J**	**2.95 J**	**2.84**	**5.48 J**	**3.10 J**	**2.64 J**	**2.42 J**
Barium	7440-39-3	MG/KG	580		**104**	**48.3**	**55.7**	**107**	**49.9**	**68.2**	**51.3**
Beryllium	7440-41-7	MG/KG	63		**0.902 J**	**1.14 J**	**1.26**	**1.00 J**	**1.26**	**1.28**	**1.29**
Cadmium	7440-43-9	MG/KG	3		**0.0891 J**	**0.395 J**	**0.302 J**	**0.252 J**	**0.483 J**	**0.747 J**	<0.0373
Chromium	7440-47-3	MG/KG	360000		**6.27**	**12.3**	**11.8**	**9.71**	**8.28**	**14.2**	**4.13**
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		**2.46**	**2.99**	**3.24**	**4.04**	**3.06**	**3.70**	**5.07**
Copper	7440-50-8	MG/KG	700		**8.26 J**	**14.1 J**	**13.8**	**18.8 J**	**9.88 J**	**30.8 J**	**6.22 J**
Lead	7439-92-1	MG/KG	270		**19.1 J**	**16.7 J**	**16.6**	**15.0 J**	**16.4 J**	**34.2 J**	**11.6 J**
Mercury	7439-97-6	MG/KG	1		**0.0146 J**	**0.0607 J**	**0.0491 J**	**0.0239 J**	**0.0600 J**	**0.0541 J**	**0.0137 J**
Nickel	7440-02-0	MG/KG	130		**23.5**	**9.89**	**8.26**	**9.65**	**5.66**	**6.21**	**5.37**
Selenium	7782-49-2	MG/KG	2.1		**0.251 J**	**0.586 J**	**0.501 J**	**0.715 J**	**0.594 J**	**0.424 J**	**0.691 J**
Silver	7440-22-4	MG/KG	3.4		**0.536 J**	**36.5**	**34.5**	**5.47**	**21.7**	**6.57**	<0.215
Thallium	7440-28-0	MG/KG	0.28		**0.336 J**	**0.350 J**	**0.320**	**0.488 J**	**0.372 J**	**0.341 J**	**0.638 J**
Tin	7440-31-5	MG/KG	10000		**3.11 B**	**3.03 B**	**3.71 B**	**3.43 B**	**3.52 B**	**4.50 B**	**2.94 B**
Vanadium	7440-62-2	MG/KG	6 (22.8)		**9.07**	**17.5**	**19.4**	**28.1**	**20.5**	**16.8**	**18.9**
Zinc	7440-66-6	MG/KG	1200		**50.3 J**	**175 J**	**182 J**	**101 J**	**112 J**	**236 J**	**48.7 J**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	MA-SS-7	SWMU13-SS-1	SWMU13-SS-10	SWMU13-SS-2	SWMU13-SS-3
				Field Sample ID	SSP14-MA-SS-7	SSP14-SWMU13-SS-1	SSP14-SWMU13-SS-10	SSP14-SWMU13-SS-2	SSP14-SWMU13-SS-3
				Date Sampled	12/02/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
				Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
1,1-Dichloroethene	75-35-4	MG/KG	2.3		**0.019**	<0.00090	<0.0010	<0.0010	<0.00090
Acetone	67-64-1	MG/KG	24		**0.052**	**0.052**	**0.057**	**0.1**	**0.077**
Benzene	71-43-2	MG/KG	0.0073		<0.00060	<0.00050	<0.00050	<0.00060	<0.00050
Carbon Disulfide	75-15-0	MG/KG	3.8		**0.0050 J**	<0.00090	<0.0010	<0.0010	**0.0010 J**
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0050	<0.0040	<0.0040	<0.0050	**0.0040 J**
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0030	<0.0020	<0.0020	**0.0050 J**	<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Trichloroethene	79-01-6	MG/KG	0.018		<0.0010	<0.00090	<0.0010	<0.0010	<0.00090
Trichlorofluoromethane	75-69-4	MG/KG	24		**0.025**	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	1.6		**0.095**	<0.0040	**0.023**	**0.033**	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	No Value		**0.0200 J**	<0.0190	<0.0200	<0.0200	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190
Acenaphthene	83-32-9	MG/KG	8.4		**0.31**	**0.0070 J**	**0.24**	**0.21**	<0.0040
Acenaphthylene	208-96-8	MG/KG	21		**0.2**	**0.0120 J**	**0.023**	**0.036**	**0.0040 J**
Acetophenone	98-86-2	MG/KG	3.5		**0.0260 J**	<0.0190	<0.0200	<0.0200	<0.0190
Anthracene	120-12-7	MG/KG	660		**0.92**	**0.0170 J**	**0.57**	**0.5**	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		**1.7**	**0.09**	**2.5**	**1.8**	**0.0160 J**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		**2**	**0.13**	**3**	**2.2**	**0.032**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		**0.95**	**0.064**	**1.5**	**1.1**	**0.0140 J**
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		**0.73**	**0.048**	**1.4**	**0.89**	**0.0120 J**
Benzo[A]Pyrene	50-32-8	MG/KG	0.059		**1.5**	**0.094**	**2.3**	**1.6**	**0.024**
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.1900	<0.1900	<0.2000	<0.2000	<0.1900
Biphenyl	92-52-4	MG/KG	43		**0.0350 J**	<0.0190	<0.0200	<0.0200	<0.0190
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0770	<0.0760	<0.0810	<0.0790	<0.0760
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0770	<0.0760	<0.0810	<0.0790	<0.0760
Chrysene	218-01-9	MG/KG	18		**1.5**	**0.095**	**2.4**	**1.7**	**0.0160 J**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		**0.28**	**0.0150 J**	**0.47**	**0.27**	**0.0070 J**
Dibenzofuran	132-64-9	MG/KG	5.2		**0.26**	<0.0190	**0.085**	**0.094**	<0.0190
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0190	<0.0190	<0.0200	<0.0200	<0.0190
Fluoranthene	206-44-0	MG/KG	330		**3.7**	**0.16**	**4.4**	**3.6**	**0.0140 J**
Fluorene	86-73-7	MG/KG	56		**0.53**	**0.0090 J**	**0.26**	**0.24**	<0.0040

Table 10B
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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	MA-SS-7	SWMU13-SS-1	SWMU13-SS-10	SWMU13-SS-2	SWMU13-SS-3
				Field Sample ID	SSP14-MA-SS-7	SSP14-SWMU13-SS-1	SSP14-SWMU13-SS-10	SSP14-SWMU13-SS-2	SSP14-SWMU13-SS-3
				Date Sampled	12/02/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
				Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		**0.93**	**0.059**	**1.5**	**1**	**0.0130 J**
Naphthalene	91-20-3	MG/KG	0.21		**0.19**	**0.0040 J**	**0.043**	**0.074**	<0.0040
Phenanthrene	85-01-8	MG/KG	68		**3.2**	**0.073**	**2.6**	**2.2**	**0.0050 J**
Phenol	108-95-2	MG/KG	0.23		<0.0190	**0.0240 J**	<0.0200	<0.0200	<0.0190
Pyrene	129-00-0	MG/KG	220		**2.8**	**0.13**	**3.8**	**2.7**	**0.0140 J**
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14		<0.00380				
PCB 1254	11097-69-1	MG/KG	0.14		**0.054**				
PCB 1260	11096-82-5	MG/KG	0.14		**0.0280**				
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		**0.171 J**	<0.0958 UJ	**0.191 J**	<0.100 UJ	<0.0975 UJ
Arsenic	7440-38-2	MG/KG	5.8		**2.09 J**	**1.39**	**4.90 J**	**2.69**	**2.85**
Barium	7440-39-3	MG/KG	580		**45.3**	**29.5**	**30.1**	**85.4**	**18.4**
Beryllium	7440-41-7	MG/KG	63		**1.29**	**0.921 J**	**0.745 J**	**1.12 J**	**0.547 J**
Cadmium	7440-43-9	MG/KG	3		**0.0994 J**	**0.0919 J**	**0.156 J**	**0.154 J**	**0.0589 J**
Chromium	7440-47-3	MG/KG	360000		**4.50**	**3.63**	**12.2**	**9.12**	**10.1**
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		**3.51**	**1.95**	**1.76**	**4.56**	**1.22**
Copper	7440-50-8	MG/KG	700		**21.3 J**	**3.96**	**8.69**	**6.36**	**5.26**
Lead	7439-92-1	MG/KG	270		**12.6 J**	**8.89 J**	**20.8 J**	**18.8 J**	**10.7 J**
Mercury	7439-97-6	MG/KG	1		**0.0350 J**	**0.0277 J**	**0.152 J**	**0.0458 J**	**0.0586 J**
Nickel	7440-02-0	MG/KG	130		**2.98**	**12.8**	**41.3**	**26.9**	**20.2**
Selenium	7782-49-2	MG/KG	2.1		**0.534 J**	**0.275 J**	**0.528 J**	**0.461 J**	**0.439 J**
Silver	7440-22-4	MG/KG	3.4		**7.47**	<0.216	<0.231	<1.13	<0.219
Thallium	7440-28-0	MG/KG	0.28		**0.407 J**	**0.156 J**	**0.234 J**	**0.190 J**	**0.155 J**
Tin	7440-31-5	MG/KG	10000		**3.13 B**	**2.78 B**	**3.99 B**	**3.76 B**	**3.22 B**
Vanadium	7440-62-2	MG/KG	6 (22.8)		**13.8**	**9.59**	**20.7**	**20.2**	**21.1**
Zinc	7440-66-6	MG/KG	1200		**72.6 J**	**20.4**	**15.3**	**21.8**	**14.9**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-6	SWMU13-SS-7
				Field Sample ID	SSP14-SWMU13-SS-3-D	SSP14-SWMU13-SS-4	SSP14-SWMU13-SS-5	SSP14-SWMU13-SS-6	SSP14-SWMU13-SS-7
				Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
				Sample Purpose	DUP	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.00090	<0.0010	<0.0010	**0.025**	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	24		**0.06**	**0.035**	**0.039**	**0.028**	**0.055**
Benzene	71-43-2	MG/KG	0.0073		<0.00050	<0.00050	<0.00050	<0.00060	<0.00060
Carbon Disulfide	75-15-0	MG/KG	3.8		**0.00090 J**	**0.0010 J**	<0.0010	**0.0020 J**	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.00090	<0.0010	<0.0010	**0.0020 J**	<0.0010
Ethylbenzene	100-41-4	MG/KG	8.1		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0040	<0.0040	<0.0040	<0.0050	<0.0050
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020	<0.0020	**0.009**
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.00090	<0.0010	<0.0010	**0.0040 J**	**0.008**
Toluene	108-88-3	MG/KG	5.5		<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.00090	<0.0010	<0.0010	**0.0020 J**	<0.0010
Trichloroethene	79-01-6	MG/KG	0.018		<0.00090	<0.0010	<0.0010	**0.013**	**0.0030 J**
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	1.6		<0.0040	<0.0040	<0.0040	**0.0040 J**	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
Acenaphthene	83-32-9	MG/KG	8.4		<0.0040	<0.0040	<0.0040	**0.053**	**0.0170 J**
Acenaphthylene	208-96-8	MG/KG	21		<0.0040	<0.0040	<0.0040	**0.0120 J**	<0.0040
Acetophenone	98-86-2	MG/KG	3.5		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
Anthracene	120-12-7	MG/KG	660		<0.0040	<0.0040	<0.0040	**0.14**	**0.042**
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		**0.0120 J**	**0.0100 J**	**0.0140 J**	**0.82**	**0.17**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		**0.023**	**0.022**	**0.034**	**1.3**	**0.24**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		**0.0150 J**	**0.0150 J**	**0.02**	**0.64**	**0.12**
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		**0.0120 J**	**0.0110 J**	**0.0120 J**	**0.43**	**0.082**
Benzo[A]Pyrene	50-32-8	MG/KG	0.059		**0.0180 J**	**0.0190 J**	**0.021**	**0.86**	**0.17**
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.1900	<0.1900	<0.2000	<0.1900	<0.2000
Biphenyl	92-52-4	MG/KG	43		<0.0190	<0.0190	<0.0200	**0.074**	<0.0200
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0770	<0.0780	<0.0780	<0.0760	<0.0800
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0770	<0.0780	<0.0780	<0.0760	<0.0800
Chrysene	218-01-9	MG/KG	18		**0.0120 J**	**0.0100 J**	**0.0150 J**	**0.9**	**0.16**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		**0.0060 J**	**0.0050 J**	**0.0070 J**	**0.15**	**0.028**
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0190	<0.0190	<0.0200	**0.11**	<0.0200
Fluoranthene	206-44-0	MG/KG	330		**0.0100 J**	**0.0080 J**	**0.0180 J**	**1.6**	**0.34**
Fluorene	86-73-7	MG/KG	56		<0.0040	<0.0040	<0.0040	**0.051**	**0.0180 J**

Table 10B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU13-SS-3	SWMU13-SS-4	SWMU13-SS-5	SWMU13-SS-6	SWMU13-SS-7
				Field Sample ID	SSP14-SWMU13-SS-3-D	SSP14-SWMU13-SS-4	SSP14-SWMU13-SS-5	SSP14-SWMU13-SS-6	SSP14-SWMU13-SS-7
				Date Sampled	12/11/2014	12/11/2014	12/11/2014	12/11/2014	12/11/2014
				Sample Purpose	DUP	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		**0.0150 J**	**0.0130 J**	**0.02**	**0.61**	**0.11**
Naphthalene	91-20-3	MG/KG	0.21		<0.0040	<0.0040	<0.0040	**0.0090 J**	<0.0040
Phenanthrene	85-01-8	MG/KG	68		<0.0040	**0.0040 J**	**0.0070 J**	**0.68**	**0.18**
Phenol	108-95-2	MG/KG	0.23		<0.0190	<0.0190	<0.0200	<0.0190	<0.0200
Pyrene	129-00-0	MG/KG	220		**0.0090 J**	**0.0080 J**	**0.0170 J**	**1.3**	**0.26**
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		<0.0942 UJ	**0.110 J**	<0.0969 UJ	**0.306 J**	<0.0997 UJ
Arsenic	7440-38-2	MG/KG	5.8		**2.77**	**2.60**	**2.49**	**1.60**	**2.04**
Barium	7440-39-3	MG/KG	580		**17.2**	**24.5**	**29.3**	**40.5**	**23.2**
Beryllium	7440-41-7	MG/KG	63		**0.510 J**	**0.656 J**	**0.708 J**	**0.765 J**	**0.962 J**
Cadmium	7440-43-9	MG/KG	3		**0.0714 J**	**0.0627 J**	**0.0998 J**	**0.0920 J**	**0.150 J**
Chromium	7440-47-3	MG/KG	360000		**9.59**	**8.98**	**9.12**	**5.70**	**6.24**
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		**1.21**	**1.47**	**1.56**	**2.38**	**2.27**
Copper	7440-50-8	MG/KG	700		**4.77**	**4.91**	**5.28**	**5.42**	**4.48**
Lead	7439-92-1	MG/KG	270		**9.85 J**	**10.8 J**	**12.5 J**	**11.0 J**	**11.7 J**
Mercury	7439-97-6	MG/KG	1		**0.0484 J**	**0.0632 J**	**0.0556 J**	**0.0307 J**	**0.0471 J**
Nickel	7440-02-0	MG/KG	130		**15.1**	**24.4**	**12.0**	**30.1**	**36.0**
Selenium	7782-49-2	MG/KG	2.1		**0.367 J**	**0.281 J**	**0.374 J**	**0.267 J**	**0.399 J**
Silver	7440-22-4	MG/KG	3.4		<0.212	<0.221	<0.218	**0.506 J**	<0.224
Thallium	7440-28-0	MG/KG	0.28		**0.139 J**	**0.154 J**	**0.194 J**	**0.151 J**	**0.233 J**
Tin	7440-31-5	MG/KG	10000		**2.97 B**	**3.38 B**	**3.22 B**	**2.86 B**	**3.83 B**
Vanadium	7440-62-2	MG/KG	6 (22.8)		**19.7**	**18.6**	**20.1**	**13.2**	**15.2**
Zinc	7440-66-6	MG/KG	1200		**14.6**	**14.2**	**17.0**	**26.2**	**22.3**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU13-SS-8	SWMU13-SS-9	SWMU14-SS-1	SWMU14-SS-10	SWMU14-SS-2
				Field Sample ID	SSP14-SWMU13-SS-8	SSP14-SWMU13-SS-9	SSP14-SWMU14-SS-1	SSP14-SWMU14-SS-10	SSP14-SWMU14-SS-2
				Date Sampled	12/11/2014	12/11/2014	12/12/2014	12/12/2014	12/12/2014
				Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Acetone	67-64-1	MG/KG	24		**0.029**	**0.076**	**0.0160 J**	**0.026**	**0.0150 J**
Benzene	71-43-2	MG/KG	0.0073		<0.00050	<0.00060	<0.00050	<0.00050	<0.00060
Carbon Disulfide	75-15-0	MG/KG	3.8		<0.0010	<0.0010	<0.0010	<0.00090	**0.0020 J**
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0040	<0.0050	<0.0040	<0.0040	<0.0050
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010	<0.00090	<0.0010
Trichloroethene	79-01-6	MG/KG	0.018		**0.0010 J**	<0.0010	<0.0010	<0.00090	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
2-Methylnaphthalene	91-57-6	MG/KG	1.6		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
Acenaphthene	83-32-9	MG/KG	8.4		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acenaphthylene	208-96-8	MG/KG	21		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acetophenone	98-86-2	MG/KG	3.5		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
Anthracene	120-12-7	MG/KG	660		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		**0.0170 J**	**0.02**	**0.0100 J**	**0.0050 J**	**0.0040 J**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		**0.029**	**0.035**	**0.0120 J**	**0.0150 J**	**0.0080 J**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		**0.0140 J**	**0.0190 J**	**0.0080 J**	**0.0150 J**	**0.0070 J**
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		**0.0130 J**	**0.0120 J**	**0.0070 J**	**0.0060 J**	**0.0050 J**
Benzo[A]Pyrene	50-32-8	MG/KG	0.059		**0.0170 J**	**0.023**	**0.0100 J**	**0.0140 J**	**0.0060 J**
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.2000	<0.1900	<0.1900	<0.2000	<0.1800
Biphenyl	92-52-4	MG/KG	43		**0.0380 J**	<0.0190	<0.0190	<0.0200	<0.0180
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0780	<0.0770	<0.0760	<0.0790	<0.0740
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0780	<0.0770	<0.0760	<0.0790	<0.0740
Chrysene	218-01-9	MG/KG	18		**0.021**	**0.021**	**0.0090 J**	**0.0090 J**	**0.0050 J**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		**0.0050 J**	**0.0090 J**	**0.0050 J**	**0.0050 J**	<0.0040
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
Diphenyl Ether	101-84-8	MG/KG	5.6		**0.063**	<0.0190	<0.0190	<0.0200	<0.0180
Fluoranthene	206-44-0	MG/KG	330		**0.04**	**0.037**	**0.0110 J**	<0.0040	**0.0040 J**
Fluorene	86-73-7	MG/KG	56		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040

Table 10B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU13-SS-8	SWMU13-SS-9	SWMU14-SS-1	SWMU14-SS-10	SWMU14-SS-2
				Field Sample ID	SSP14-SWMU13-SS-8	SSP14-SWMU13-SS-9	SSP14-SWMU14-SS-1	SSP14-SWMU14-SS-10	SSP14-SWMU14-SS-2
				Date Sampled	12/11/2014	12/11/2014	12/12/2014	12/12/2014	12/12/2014
				Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		**0.0110 J**	**0.0170 J**	**0.0080 J**	**0.0120 J**	**0.0050 J**
Naphthalene	91-20-3	MG/KG	0.21		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Phenanthrene	85-01-8	MG/KG	68		**0.0170 J**	**0.0160 J**	**0.0050 J**	<0.0040	<0.0040
Phenol	108-95-2	MG/KG	0.23		<0.0200	<0.0190	<0.0190	<0.0200	<0.0180
Pyrene	129-00-0	MG/KG	220		**0.034**	**0.032**	**0.0110 J**	**0.0050 J**	<0.0040
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		**0.271 J**	<0.0971 R	<0.0959 R	**0.173 J**	<0.0932 R
Arsenic	7440-38-2	MG/KG	5.8		**2.08 J**	**2.11 J**	**2.59 J**	**3.90 J**	**1.57 J**
Barium	7440-39-3	MG/KG	580		**34.9**	**85.1**	**74.6**	**26.0**	**85.3**
Beryllium	7440-41-7	MG/KG	63		**0.827 J**	**0.676 J**	**1.27**	**0.757 J**	**1.44**
Cadmium	7440-43-9	MG/KG	3		**0.0885 J**	**0.118 J**	**0.108 J**	**0.126 J**	**0.0872 J**
Chromium	7440-47-3	MG/KG	360000		**5.30**	**5.47**	**2.45 J**	**9.34**	**2.56 J**
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		**2.57**	**4.87**	**2.66**	**1.92**	**2.43**
Copper	7440-50-8	MG/KG	700		**4.94**	**8.56**	**2.77**	**5.02**	**1.72 J**
Lead	7439-92-1	MG/KG	270		**12.4 J**	**17.9 J**	**9.07 J**	**15.9 J**	**5.72 J**
Mercury	7439-97-6	MG/KG	1		**0.0335 J**	**0.0404 J**	<0.0112	**0.0474 J**	<0.0107
Nickel	7440-02-0	MG/KG	130		**19.1**	**14.0**	**18.4**	**11.7**	**39.1**
Selenium	7782-49-2	MG/KG	2.1		**0.371 J**	**0.406 J**	**0.474 J**	**0.533 J**	**0.366 J**
Silver	7440-22-4	MG/KG	3.4		**0.338 J**	<0.218	<0.216	<0.226	<0.210
Thallium	7440-28-0	MG/KG	0.28		**0.190 J**	**0.104 J**	**0.444 J**	**0.278 J**	**0.471 J**
Tin	7440-31-5	MG/KG	10000		**3.05 B**	**2.75 B**	**2.82 B**	**3.56 B**	**2.60 B**
Vanadium	7440-62-2	MG/KG	6 (22.8)		**12.2**	**13.0**	**12.1**	**24.0**	**12.0**
Zinc	7440-66-6	MG/KG	1200		**21.7**	**16.3**	**26.2**	**16.6**	**24.4**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU14-SS-3	SWMU14-SS-4	SWMU14-SS-5	SWMU14-SS-6	SWMU14-SS-7
				Field Sample ID	SSP14-SWMU14-SS-3	SSP14-SWMU14-SS-4	SSP14-SWMU14-SS-5	SSP14-SWMU14-SS-6	SSP14-SWMU14-SS-7
				Date Sampled	12/12/2014	12/12/2014	12/12/2014	12/12/2014	12/11/2014
				Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	24		<0.0080	**0.0170 J**	**0.0120 J**	**0.0100 J**	**0.02**
Benzene	71-43-2	MG/KG	0.0073		<0.00060	<0.00060	<0.00050	<0.00070	<0.00050
Carbon Disulfide	75-15-0	MG/KG	3.8		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0050	<0.0050	<0.0040	<0.0060	<0.0040
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020	<0.0030	<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.018		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0030	<0.0020
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	1.6		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Acenaphthene	83-32-9	MG/KG	8.4		<0.0040	**0.0080 J**	<0.0040	<0.0040	<0.0040
Acenaphthylene	208-96-8	MG/KG	21		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acetophenone	98-86-2	MG/KG	3.5		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Anthracene	120-12-7	MG/KG	660		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		**0.0080 J**	**0.0090 J**	**0.0060 J**	<0.0040	<0.0040
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		**0.0150 J**	**0.0140 J**	**0.0100 J**	**0.0050 J**	**0.0060 J**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		**0.0080 J**	**0.0100 J**	**0.0080 J**	**0.0050 J**	**0.0060 J**
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		**0.0050 J**	**0.0080 J**	**0.0060 J**	<0.0040	<0.0040
Benzo[A]Pyrene	50-32-8	MG/KG	0.059		**0.0110 J**	**0.0120 J**	**0.0090 J**	**0.0050 J**	**0.0060 J**
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.2000	<0.2200	<0.2100	<0.2000	<0.2000
Biphenyl	92-52-4	MG/KG	43		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0800	<0.0860	<0.0820	<0.0800	<0.0790
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0800	<0.0860	<0.0820	<0.0800	<0.0790
Chrysene	218-01-9	MG/KG	18		**0.0100 J**	**0.0080 J**	**0.0050 J**	<0.0040	<0.0040
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		**0.0050 J**	<0.0040	<0.0040	<0.0040	<0.0040
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0200	**0.0330 J**	<0.0210	<0.0200	<0.0200
Fluoranthene	206-44-0	MG/KG	330		**0.0120 J**	**0.0150 J**	**0.0080 J**	<0.0040	<0.0040
Fluorene	86-73-7	MG/KG	56		<0.0040	**0.0070 J**	<0.0040	<0.0040	<0.0040

Table 10B
Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU14-SS-3	SWMU14-SS-4	SWMU14-SS-5	SWMU14-SS-6	SWMU14-SS-7
				Field Sample ID	SSP14-SWMU14-SS-3	SSP14-SWMU14-SS-4	SSP14-SWMU14-SS-5	SSP14-SWMU14-SS-6	SSP14-SWMU14-SS-7
				Date Sampled	12/12/2014	12/12/2014	12/12/2014	12/12/2014	12/11/2014
				Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		**0.0070 J**	**0.0090 J**	**0.0070 J**	**0.0050 J**	**0.0050 J**
Naphthalene	91-20-3	MG/KG	0.21		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Phenanthrene	85-01-8	MG/KG	68		**0.0080 J**	**0.0120 J**	**0.0070 J**	<0.0040	<0.0040
Phenol	108-95-2	MG/KG	0.23		<0.0200	<0.0220	<0.0210	<0.0200	<0.0200
Pyrene	129-00-0	MG/KG	220		**0.0120 J**	**0.0130 J**	**0.0080 J**	<0.0040	<0.0040
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		**0.100 J**	<0.107 R	<0.101 R	<0.102 R	<0.0974 R
Arsenic	7440-38-2	MG/KG	5.8		**1.61 J**	**1.72 J**	**1.48 J**	**1.11 J**	**1.84 J**
Barium	7440-39-3	MG/KG	580		**44.6**	**45.2**	**47.0**	**25.8**	**54.6**
Beryllium	7440-41-7	MG/KG	63		**0.881 J**	**0.926 J**	**0.910 J**	**0.583 J**	**1.24**
Cadmium	7440-43-9	MG/KG	3		**0.0817 J**	**0.0966 J**	**0.0768 J**	**0.0638 J**	**0.133 J**
Chromium	7440-47-3	MG/KG	360000		**3.07 J**	**3.28 J**	**2.73 J**	**3.97**	**4.71**
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		**2.24**	**2.66**	**2.37**	**1.85**	**3.61**
Copper	7440-50-8	MG/KG	700		**3.06**	**3.54**	**2.84**	**2.58**	**3.65**
Lead	7439-92-1	MG/KG	270		**9.94 J**	**8.82 J**	**7.57 J**	**5.68 J**	**9.53 J**
Mercury	7439-97-6	MG/KG	1		**0.0124 J**	<0.0128	**0.0119 J**	**0.0180 J**	**0.0289 J**
Nickel	7440-02-0	MG/KG	130		**17.4**	**6.13**	**6.31**	**7.08**	**15.3**
Selenium	7782-49-2	MG/KG	2.1		**0.256 J**	**0.376 J**	**0.319 J**	**0.134 J**	**0.385 J**
Silver	7440-22-4	MG/KG	3.4		<0.225	<0.241	<0.228	<0.229	<0.219
Thallium	7440-28-0	MG/KG	0.28		**0.301 J**	**0.404 J**	**0.311 J**	**0.169 J**	**0.326 J**
Tin	7440-31-5	MG/KG	10000		**2.94 B**	**3.24 B**	**2.85 B**	**3.82 B**	**4.18 B**
Vanadium	7440-62-2	MG/KG	6 (22.8)		**12.3**	**13.7**	**12.9**	**13.6**	**20.9**
Zinc	7440-66-6	MG/KG	1200		**22.1**	**19.3**	**19.8**	**14.8**	**28.2**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU14-SS-8	SWMU14-SS-9	SWMU15-SBS-1	SWMU15-SBS-2	SWMU15-SBS-2
				Field Sample ID	SSP14-SWMU14-SS-8	SSP14-SWMU14-SS-9	SSP14-SWMU15-SBS-1	SSP14-SWMU15-SBS-2	SSP14-SWMU15-SBS-2-D
				Date Sampled	12/11/2014	12/12/2014	12/04/2014	12/05/2014	12/05/2014
				Sample Purpose	FS	FS	FS	FS	DUP
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Acetone	67-64-1	MG/KG	24		**0.025**	**0.025**	**0.032**	**0.036**	**0.041**
Benzene	71-43-2	MG/KG	0.0073		<0.00050	<0.00050	**0.0010 J**	<0.00040	<0.00040
Carbon Disulfide	75-15-0	MG/KG	3.8		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0040	<0.0040	<0.0040	<0.0030	<0.0040
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010	<0.00080	<0.00090
Trichloroethene	79-01-6	MG/KG	0.018		<0.0010	<0.0010	**0.0010 J**	<0.00080	<0.00090
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	1.6		<0.0040	<0.0040	**0.16**	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0200	<0.0210	**0.084**	<0.0190	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0200	<0.0210	**0.0230 J**	<0.0190	<0.0190
Acenaphthene	83-32-9	MG/KG	8.4		<0.0040	<0.0040	**1.1**	<0.0040	<0.0040
Acenaphthylene	208-96-8	MG/KG	21		<0.0040	<0.0040	**0.036**	<0.0040	<0.0040
Acetophenone	98-86-2	MG/KG	3.5		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
Anthracene	120-12-7	MG/KG	660		<0.0040	<0.0040	**3.1**	<0.0040	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		<0.0040	**0.0050 J**	**6.8**	**0.019**	**0.0130 J**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		**0.0060 J**	**0.0080 J**	**7.7**	**0.022**	**0.019**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		**0.0060 J**	**0.0080 J**	**4.2**	**0.0140 J**	**0.0130 J**
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		**0.0040 J**	**0.0050 J**	**2.8**	**0.0090 J**	**0.0070 J**
Benzo[A]Pyrene	50-32-8	MG/KG	0.059		**0.0060 J**	**0.0070 J**	**6**	**0.0170 J**	**0.0170 J**
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.2000	<0.2100	<0.2000	<0.1900	<0.1900
Biphenyl	92-52-4	MG/KG	43		<0.0200	<0.0210	**0.082**	<0.0190	<0.0190
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0790	<0.0820	<0.0820	<0.0760	<0.0760
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0790	<0.0820	<0.0820	<0.0760	<0.0760
Chrysene	218-01-9	MG/KG	18		**0.0040 J**	**0.0060 J**	**6.1**	**0.0170 J**	**0.0110 J**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		<0.0040	<0.0040	**1.2**	<0.0040	**0.0050 J**
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0200	<0.0210	**0.52**	<0.0190	<0.0190
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0200	<0.0210	**0.063**	<0.0190	<0.0190
Fluoranthene	206-44-0	MG/KG	330		**0.0060 J**	**0.0070 J**	**15**	**0.022**	**0.0100 J**
Fluorene	86-73-7	MG/KG	56		<0.0040	<0.0040	**1.2**	<0.0040	<0.0040

Table 10B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU14-SS-8	SWMU14-SS-9	SWMU15-SBS-1	SWMU15-SBS-2	SWMU15-SBS-2
				Field Sample ID	SSP14-SWMU14-SS-8	SSP14-SWMU14-SS-9	SSP14-SWMU15-SBS-1	SSP14-SWMU15-SBS-2	SSP14-SWMU15-SBS-2-D
				Date Sampled	12/11/2014	12/12/2014	12/04/2014	12/05/2014	12/05/2014
				Sample Purpose	FS	FS	FS	FS	DUP
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		**0.0050 J**	**0.0060 J**	**3.9**	**0.0130 J**	**0.0110 J**
Naphthalene	91-20-3	MG/KG	0.21		<0.0040	<0.0040	**0.45**	<0.0040	<0.0040
Phenanthrene	85-01-8	MG/KG	68		**0.0050 J**	**0.0050 J**	**9.7**	**0.0090 J**	<0.0040
Phenol	108-95-2	MG/KG	0.23		<0.0200	<0.0210	<0.0200	<0.0190	<0.0190
Pyrene	129-00-0	MG/KG	220		**0.0060 J**	**0.0080 J**	**11**	**0.02**	**0.0120 J**
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		<0.0978 R	**0.130 J**	**2.10**	<0.0929	<0.0924 UJ
Arsenic	7440-38-2	MG/KG	5.8		**2.00 J**	**2.27 J**	**2.22 J**	**1.34 J**	**1.18**
Barium	7440-39-3	MG/KG	580		**31.2**	**49.3**	**49.8**	**28.5**	**27.8**
Beryllium	7440-41-7	MG/KG	63		**0.840 J**	**1.09 J**	**1.08 J**	**1.00 J**	**1.00 J**
Cadmium	7440-43-9	MG/KG	3		**0.0915 J**	**0.0940 J**	**0.290 J**	<0.0363	<0.0361
Chromium	7440-47-3	MG/KG	360000		**4.72**	**3.78**	**8.70**	**3.35**	**2.80 J**
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		**2.49**	**2.50**	**3.43**	**1.92**	**1.91**
Copper	7440-50-8	MG/KG	700		**3.37**	**3.40**	**36.7 J**	**2.99 J**	**2.47**
Lead	7439-92-1	MG/KG	270		**11.7 J**	**11.0 J**	**30.1 J**	**14.0 J**	**12.1**
Mercury	7439-97-6	MG/KG	1		**0.0258 J**	**0.0163 J**	**0.0490 J**	**0.0276 J**	**0.0223 J**
Nickel	7440-02-0	MG/KG	130		**18.3**	**8.94**	**7.95**	**2.72**	**2.00 J**
Selenium	7782-49-2	MG/KG	2.1		**0.316 J**	**0.392 J**	**0.352 J**	**0.236 J**	**0.219 J**
Silver	7440-22-4	MG/KG	3.4		<0.220	<0.229	**2.68**	<0.209	<0.208
Thallium	7440-28-0	MG/KG	0.28		**0.242 J**	**0.341 J**	**0.337 J**	**0.228 J**	**0.198 J**
Tin	7440-31-5	MG/KG	10000		**3.10 B**	**3.07 B**	**3.94 B**	**3.25 B**	**3.14 B**
Vanadium	7440-62-2	MG/KG	6 (22.8)		**15.6**	**14.7**	**23.4**	**8.35**	**8.50**
Zinc	7440-66-6	MG/KG	1200		**21.5**	**23.3**	**157 J**	**18.1 J**	**16.5 J**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU15-SBS-4	SWMU15-SBS-5	SWMU15-SS-1	SWMU15-SS-2	SWMU15-SS-3
				Field Sample ID	SSP14-SWMU15-SBS-4	SSP14-SWMU15-SBS-5	SSP14-SWMU15-SS-1	SSP14-SWMU15-SS-2	SSP14-SWMU15-SS-3
				Date Sampled	12/09/2014	12/09/2014	12/04/2014	12/04/2014	12/04/2014
				Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Acetone	67-64-1	MG/KG	24		**0.0180 J**	**0.023**	**0.023**	**0.0190 J**	<0.4400
Benzene	71-43-2	MG/KG	0.0073		<0.00060	<0.00050	<0.00060	<0.00060	<0.0310
Carbon Disulfide	75-15-0	MG/KG	3.8		**0.0010 J**	<0.0010	<0.0010	<0.0010	<0.0630
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0040	<0.0040	<0.0040	<0.0050	<0.2500
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020	<0.0030	<0.1300
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010	<0.0010	<0.0630
Trichloroethene	79-01-6	MG/KG	0.018		<0.0010	<0.0010	**0.0020 J**	<0.0010	<0.0630
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0030	<0.1300
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	1.6		**0.028**	<0.0040	**0.03**	**0.0180 J**	**0.0070 J**
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Acenaphthene	83-32-9	MG/KG	8.4		**0.047**	<0.0040	**0.13**	**0.075**	**0.038**
Acenaphthylene	208-96-8	MG/KG	21		<0.0040	<0.0040	**0.0090 J**	**0.0130 J**	**0.0050 J**
Acetophenone	98-86-2	MG/KG	3.5		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Anthracene	120-12-7	MG/KG	660		**0.033**	<0.0040	**0.29**	**0.21**	**0.1**
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		**0.026**	**0.0060 J**	**0.65**	**0.6**	**0.37**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		**0.024**	**0.0070 J**	**0.71**	**0.77**	**0.44**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		**0.0130 J**	**0.0040 J**	**0.35**	**0.34**	**0.23**
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		**0.0150 J**	**0.0060 J**	**0.28**	**0.22**	**0.17**
Benzo[A]Pyrene	50-32-8	MG/KG	0.059		**0.0180 J**	**0.0050 J**	**0.55**	**0.52**	**0.33**
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.2100	<0.2000	<0.1900	<0.2100	<0.2000
Biphenyl	92-52-4	MG/KG	43		<0.0210	<0.0200	**0.0200 J**	<0.0210	<0.0200
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0840	<0.0820	<0.0770	<0.0840	<0.0800
Chrysene	218-01-9	MG/KG	18		**0.026**	**0.0060 J**	**0.53**	**0.5**	**0.3**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		**0.0050 J**	<0.0040	**0.11**	**0.11**	**0.068**
Dibenzofuran	132-64-9	MG/KG	5.2		**0.0330 J**	<0.0200	**0.073**	**0.043**	<0.0200
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0210	<0.0200	**0.0220 J**	<0.0210	<0.0200
Fluoranthene	206-44-0	MG/KG	330		**0.084**	<0.0040	**1.2**	**1.1**	**0.68**
Fluorene	86-73-7	MG/KG	56		**0.036**	<0.0040	**0.16**	**0.095**	**0.038**

Table 10B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU15-SBS-4	SWMU15-SBS-5	SWMU15-SS-1	SWMU15-SS-2	SWMU15-SS-3
				Field Sample ID	SSP14-SWMU15-SBS-4	SSP14-SWMU15-SBS-5	SSP14-SWMU15-SS-1	SSP14-SWMU15-SS-2	SSP14-SWMU15-SS-3
				Date Sampled	12/09/2014	12/09/2014	12/04/2014	12/04/2014	12/04/2014
				Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		**0.0110 J**	<0.0040	**0.33**	**0.32**	**0.22**
Naphthalene	91-20-3	MG/KG	0.21		**0.0180 J**	<0.0040	**0.078**	**0.041**	**0.0090 J**
Phenanthrene	85-01-8	MG/KG	68		**0.12**	<0.0040	**0.9**	**0.66**	**0.37**
Phenol	108-95-2	MG/KG	0.23		<0.0210	<0.0200	<0.0190	<0.0210	<0.0200
Pyrene	129-00-0	MG/KG	220		**0.065**	**0.0050 J**	**0.97**	**0.86**	**0.53**
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		<0.105 UJ	<0.104 UJ	**0.598**	**1.29**	**0.274 J**
Arsenic	7440-38-2	MG/KG	5.8		**1.12**	**1.07**	**1.31 J**	**2.07 J**	**1.55 J**
Barium	7440-39-3	MG/KG	580		**57.6**	**54.9**	**59.4**	**51.8**	**57.9**
Beryllium	7440-41-7	MG/KG	63		**1.11 J**	**1.06 J**	**1.22**	**1.50**	**1.12 J**
Cadmium	7440-43-9	MG/KG	3		**0.0909 J**	**0.0780 J**	**0.0484 J**	**0.0831 J**	<0.0388
Chromium	7440-47-3	MG/KG	360000		**4.16**	**4.07**	**6.16**	**10.8**	**4.12**
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		**3.84**	**3.74**	**3.74**	**3.46**	**4.42**
Copper	7440-50-8	MG/KG	700		**2.88**	**2.86**	**15.4 J**	**18.6 J**	**7.48 J**
Lead	7439-92-1	MG/KG	270		**9.55 J**	**9.02 J**	**15.9 J**	**18.0 J**	**16.6 J**
Mercury	7439-97-6	MG/KG	1		<0.0121	<0.0123	**0.0319 J**	**0.0369 J**	**0.0262 J**
Nickel	7440-02-0	MG/KG	130		**4.02**	**3.80**	**47.2**	**38.6**	**14.9**
Selenium	7782-49-2	MG/KG	2.1		**0.252 J**	**0.236 J**	**0.351 J**	**0.728 J**	**0.314 J**
Silver	7440-22-4	MG/KG	3.4		<0.237	<0.235	<0.219	**0.306 J**	<0.224
Thallium	7440-28-0	MG/KG	0.28		**0.360**	**0.318**	**0.328 J**	**0.442 J**	**0.445 J**
Tin	7440-31-5	MG/KG	10000		**2.85 B**	**2.89 B**	**3.30 B**	**4.17 B**	**3.06 B**
Vanadium	7440-62-2	MG/KG	6 (22.8)		**13.6**	**15.2**	**15.8**	**24.0**	**17.6**
Zinc	7440-66-6	MG/KG	1200		**30.7**	**29.5**	**130 J**	**103 J**	**50.1 J**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU15-SS-4	SWMU15-SS-5	SWMU16-SS-1	SWMU16-SS-10	SWMU16-SS-10
				Field Sample ID	SSP14-SWMU15-SS-4	SSP14-SWMU15-SS-5	SSP14-SWMU16-SS-1	SSP14-SWMU16-SS-10	SSP15-SWMU16-SS-10
				Date Sampled	12/03/2014	12/03/2014	12/10/2014	12/10/2014	02/10/2015
				Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010		<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010		<0.0010
Acetone	67-64-1	MG/KG	24		**0.023**	**0.0130 J**	**0.032**		**0.0220 J**
Benzene	71-43-2	MG/KG	0.0073		<0.00050	<0.00050	<0.00050		<0.00050
Carbon Disulfide	75-15-0	MG/KG	3.8		<0.0010	**0.0020 J**	<0.0010		<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010		<0.0010
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010		<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0040	<0.0040	<0.0040		<0.0040
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020		<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.0010	<0.0010		**0.0020 J**
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010		<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010		<0.0010
Trichloroethene	79-01-6	MG/KG	0.018		<0.0010	<0.0010	<0.0010		<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020		<0.0020
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0200	<0.0190	<0.0190	<0.0190	
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0200	<0.0190	<0.0190	<0.0190	
2-Methylnaphthalene	91-57-6	MG/KG	1.6		<0.0040	<0.0040	<0.0040	<0.0040	
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0200	<0.0190	<0.0190	<0.0190	
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0200	<0.0190	<0.0190	<0.0190	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0200	<0.0190	<0.0190	<0.0190	
Acenaphthene	83-32-9	MG/KG	8.4		**0.0090 J**	<0.0040	<0.0040	<0.0040	
Acenaphthylene	208-96-8	MG/KG	21		<0.0040	<0.0040	<0.0040	<0.0040	
Acetophenone	98-86-2	MG/KG	3.5		<0.0200	<0.0190	<0.0190	<0.0190	
Anthracene	120-12-7	MG/KG	660		**0.029**	<0.0040	<0.0040	**0.0070 J**	
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		**0.11**	**0.0110 J**	**0.0070 J**	**0.03**	
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		**0.15**	**0.025**	**0.02**	**0.044**	
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		**0.073**	**0.0170 J**	**0.0160 J**	**0.021**	
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		**0.048**	**0.0080 J**	**0.0060 J**	**0.0160 J**	
Benzo[A]Pyrene	50-32-8	MG/KG	0.059		**0.1**	**0.019**	**0.0140 J**	**0.028**	
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.2000	<0.1900	<0.1900	<0.1900	
Biphenyl	92-52-4	MG/KG	43		<0.0200	<0.0190	<0.0190	<0.0190	
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0780	<0.0760	<0.0780	<0.0770	
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0780	<0.0760	<0.0780	<0.0770	
Chrysene	218-01-9	MG/KG	18		**0.092**	**0.0120 J**	**0.0080 J**	**0.03**	
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		**0.023**	**0.0050 J**	**0.0050 J**	**0.0060 J**	
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0200	<0.0190	<0.0190	<0.0190	
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0200	<0.0190	<0.0190	<0.0190	
Fluoranthene	206-44-0	MG/KG	330		**0.19**	**0.019**	**0.0110 J**	**0.064**	
Fluorene	86-73-7	MG/KG	56		**0.0100 J**	<0.0040	<0.0040	<0.0040	

Table 10B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU15-SS-4	SWMU15-SS-5	SWMU16-SS-1	SWMU16-SS-10	SWMU16-SS-10
				Field Sample ID	SSP14-SWMU15-SS-4	SSP14-SWMU15-SS-5	SSP14-SWMU16-SS-1	SSP14-SWMU16-SS-10	SSP15-SWMU16-SS-10
				Date Sampled	12/03/2014	12/03/2014	12/10/2014	12/10/2014	02/10/2015
				Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		**0.068**	**0.0140 J**	**0.0130 J**	**0.0180 J**	
Naphthalene	91-20-3	MG/KG	0.21		<0.0040	<0.0040	<0.0040	<0.0040	
Phenanthrene	85-01-8	MG/KG	68		**0.11**	**0.0100 J**	**0.0060 J**	**0.03**	
Phenol	108-95-2	MG/KG	0.23		<0.0200	<0.0190	<0.0190	<0.0190	
Pyrene	129-00-0	MG/KG	220		**0.15**	**0.0170 J**	**0.0110 J**	**0.055**	
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		<0.100	<0.0961	**0.129 J**	**0.194 J**	
Arsenic	7440-38-2	MG/KG	5.8		**1.34 J**	**1.26 J**	**1.32 J**	**1.10**	
Barium	7440-39-3	MG/KG	580		**58.9**	**53.5**	**33.5**	**66.4**	
Beryllium	7440-41-7	MG/KG	63		**1.05 J**	**0.920 J**	**0.831 J**	**1.02 J**	
Cadmium	7440-43-9	MG/KG	3		<0.0391	<0.0376	**0.112 J**	**0.139 J**	
Chromium	7440-47-3	MG/KG	360000		**3.12 J**	**3.11 J**	**1.82 J**	**3.46**	
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		**4.19**	**4.06**	**1.09 J**	**2.06**	
Copper	7440-50-8	MG/KG	700		**3.44 J**	**3.56 J**	**2.59**	**3.16**	
Lead	7439-92-1	MG/KG	270		**13.3 J**	**12.0 J**	**16.0 J**	**7.15 J**	
Mercury	7439-97-6	MG/KG	1		**0.0192 J**	**0.0186 J**	**0.0185 J**	<0.0116	
Nickel	7440-02-0	MG/KG	130		**22.3**	**80.3**	**12.7**	**67.2**	
Selenium	7782-49-2	MG/KG	2.1		**0.360 J**	**0.293 J**	**0.346 J**	**0.186 J**	
Silver	7440-22-4	MG/KG	3.4		<0.225	<0.216	<0.215	<0.216	
Thallium	7440-28-0	MG/KG	0.28		**0.373 J**	**0.364 J**	**0.231 J**	**0.214 J**	
Tin	7440-31-5	MG/KG	10000		**3.06 B**	**2.57 B**	**3.30 B**	**2.88 B**	
Vanadium	7440-62-2	MG/KG	6 (22.8)		**15.3**	**13.8**	**6.36**	**11.3**	
Zinc	7440-66-6	MG/KG	1200		**41.4 J**	**32.5 J**	**13.2**	**28.6**	

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU16-SS-2	SWMU16-SS-3	SWMU16-SS-4	SWMU16-SS-5	SWMU16-SS-6
				Field Sample ID	SSP14-SWMU16-SS-2	SSP14-SWMU16-SS-3	SSP14-SWMU16-SS-4	SSP14-SWMU16-SS-5	SSP14-SWMU16-SS-6
				Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/10/2014
				Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Acetone	67-64-1	MG/KG	24		**0.022**	**0.0170 J**	**0.023**	**0.045**	**0.019**
Benzene	71-43-2	MG/KG	0.0073		<0.00050	<0.00050	<0.00050	<0.00050	<0.00030
Carbon Disulfide	75-15-0	MG/KG	3.8		<0.0010	**0.0010 J**	**0.0020 J**	<0.0010	**0.0010 J**
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0040	<0.0040	<0.0040	<0.0040	<0.0030
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	<0.0020	<0.0020	<0.0010
Tetrachloroethene	127-18-4	MG/KG	0.005		<0.0010	<0.0010	<0.0010	**0.0040 J**	<0.00060
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Trichloroethene	79-01-6	MG/KG	0.018		<0.0010	<0.0010	<0.0010	<0.0010	<0.00060
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0020	<0.0010
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
2-Methylnaphthalene	91-57-6	MG/KG	1.6		**0.0090 J**	<0.0040	<0.0040	<0.0040	<0.0050
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Acenaphthene	83-32-9	MG/KG	8.4		**0.0100 J**	**0.0040 J**	**0.0050 J**	<0.0040	<0.0050
Acenaphthylene	208-96-8	MG/KG	21		**0.02**	**0.0080 J**	<0.0040	<0.0040	<0.0050
Acetophenone	98-86-2	MG/KG	3.5		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Anthracene	120-12-7	MG/KG	660		**0.034**	**0.0090 J**	**0.0090 J**	<0.0040	<0.0050
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		**0.13**	**0.061**	**0.046**	<0.0040	<0.0050
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		**0.19**	**0.1**	**0.072**	<0.0040	<0.0050
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		**0.1**	**0.056**	**0.038**	<0.0040	<0.0050
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		**0.08**	**0.036**	**0.025**	<0.0040	<0.0050
Benzo[A]Pyrene	50-32-8	MG/KG	0.059		**0.14**	**0.073**	**0.049**	<0.0040	<0.0050
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.1900	<0.1900	<0.1800	<0.1900	<0.2300
Biphenyl	92-52-4	MG/KG	43		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0770	<0.0740	<0.0740	<0.0760	<0.0900
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0770	<0.0740	<0.0740	<0.0760	<0.0900
Chrysene	218-01-9	MG/KG	18		**0.13**	**0.059**	**0.043**	<0.0040	<0.0050
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		**0.023**	**0.0130 J**	**0.0110 J**	<0.0040	<0.0050
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Fluoranthene	206-44-0	MG/KG	330		**0.27**	**0.11**	**0.088**	<0.0040	<0.0050
Fluorene	86-73-7	MG/KG	56		**0.0170 J**	**0.0040 J**	**0.0040 J**	<0.0040	<0.0050

Table 10B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU16-SS-2	SWMU16-SS-3	SWMU16-SS-4	SWMU16-SS-5	SWMU16-SS-6
				Field Sample ID	SSP14-SWMU16-SS-2	SSP14-SWMU16-SS-3	SSP14-SWMU16-SS-4	SSP14-SWMU16-SS-5	SSP14-SWMU16-SS-6
				Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/10/2014
				Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		**0.096**	**0.049**	**0.035**	<0.0040	<0.0050
Naphthalene	91-20-3	MG/KG	0.21		**0.022**	<0.0040	<0.0040	<0.0040	<0.0050
Phenanthrene	85-01-8	MG/KG	68		**0.13**	**0.04**	**0.045**	<0.0040	<0.0050
Phenol	108-95-2	MG/KG	0.23		<0.0190	<0.0190	<0.0180	<0.0190	<0.0230
Pyrene	129-00-0	MG/KG	220		**0.21**	**0.095**	**0.076**	<0.0040	<0.0050
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		**0.132 J**	<0.0948 R	**0.294 J**	**0.310 J**	**0.225 J**
Arsenic	7440-38-2	MG/KG	5.8		**1.08 J**	**0.824 J**	**1.56 J**	**1.64 J**	**2.05 J**
Barium	7440-39-3	MG/KG	580		**23.2**	**41.1**	**35.0**	**17.1**	**41.3**
Beryllium	7440-41-7	MG/KG	63		**0.617 J**	**0.726 J**	**0.611 J**	**0.662 J**	**1.15 J**
Cadmium	7440-43-9	MG/KG	3		**0.0980 J**	**0.0730 J**	**0.121 J**	**0.0798 J**	**0.0703 J**
Chromium	7440-47-3	MG/KG	360000		**2.84 J**	**1.36 J**	**5.33**	**3.24 J**	**4.22**
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		**0.879 J**	**0.891 J**	**2.46**	**0.974 J**	**2.71**
Copper	7440-50-8	MG/KG	700		**3.05**	**2.19 J**	**4.58**	**2.26**	**3.12**
Lead	7439-92-1	MG/KG	270		**12.1 J**	**11.1 J**	**11.4 J**	**10.7 J**	**14.9 J**
Mercury	7439-97-6	MG/KG	1		**0.0232 J**	**0.0154 J**	**0.0129 J**	**0.0222 J**	**0.0216 J**
Nickel	7440-02-0	MG/KG	130		**32.7**	**32.8**	**65.2**	**25.1**	**13.9**
Selenium	7782-49-2	MG/KG	2.1		**0.313 J**	**0.178 J**	**0.180 J**	**0.321 J**	**0.350 J**
Silver	7440-22-4	MG/KG	3.4		<0.217	<0.213	<0.208	<0.210	<0.252
Thallium	7440-28-0	MG/KG	0.28		**0.155 J**	**0.137 J**	**0.213 J**	**0.164 J**	**0.274 J**
Tin	7440-31-5	MG/KG	10000		**3.27 B**	**3.24 B**	**2.98 B**	**3.23 B**	**3.71 B**
Vanadium	7440-62-2	MG/KG	6 (22.8)		**7.91**	**4.00**	**12.4**	**8.18**	**9.43**
Zinc	7440-66-6	MG/KG	1200		**13.0**	**9.89**	**18.7**	**13.6**	**13.9**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU16-SS-7	SWMU16-SS-8	SWMU16-SS-9	SWMU19-SS-1	SWMU19-SS-2
				Field Sample ID	SSP14-SWMU16-SS-7	SSP14-SWMU16-SS-8	SSP14-SWMU16-SS-9	SSP14-SWMU19-SS-1	SSP14-SWMU19-SS-2
				Date Sampled	12/10/2014	12/11/2014	12/10/2014	12/03/2014	12/03/2014
				Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	24		**0.044**	**0.023**	**0.029**	**0.085**	**0.037**
Benzene	71-43-2	MG/KG	0.0073		<0.00060	<0.00050	<0.00050	<0.00060	<0.00050
Carbon Disulfide	75-15-0	MG/KG	3.8		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	100-41-4	MG/KG	8.1		<0.0010	<0.0010	<0.0010	**0.01**	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0050	<0.0040	<0.0040	<0.0050	<0.0040
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020	**0.01**	<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		**0.0020 J**	<0.0010	**0.086**	<0.0010	<0.0010
Toluene	108-88-3	MG/KG	5.5		<0.0010	<0.0010	<0.0010	**0.0020 J**	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethene	79-01-6	MG/KG	0.018		**0.0030 J**	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
2-Methylnaphthalene	91-57-6	MG/KG	1.6		<0.0040	<0.0040	<0.0040	<0.0390	<0.0040
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
Acenaphthene	83-32-9	MG/KG	8.4		<0.0040	**0.0170 J**	<0.0040	<0.0390	**0.0080 J**
Acenaphthylene	208-96-8	MG/KG	21		<0.0040	**0.0050 J**	<0.0040	<0.0390	**0.0050 J**
Acetophenone	98-86-2	MG/KG	3.5		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
Anthracene	120-12-7	MG/KG	660		<0.0040	**0.044**	**0.0040 J**	<0.0390	**0.0160 J**
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		**0.0100 J**	**0.15**	**0.0110 J**	**0.0860 J**	**0.07**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		**0.0160 J**	**0.22**	**0.0190 J**	**0.1600 J**	**0.11**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		**0.0090 J**	**0.11**	**0.0100 J**	**0.1200 J**	**0.063**
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		**0.0080 J**	**0.078**	**0.0080 J**	**0.0520 J**	**0.042**
Benzo[A]Pyrene	50-32-8	MG/KG	0.059		**0.0100 J**	**0.14**	**0.0130 J**	**0.1300 J**	**0.079**
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.1900	<0.1900	<0.1900	<1.9000	<0.1900
Biphenyl	92-52-4	MG/KG	43		<0.0190	<0.0190	<0.0190	**0.2200 J**	**0.0380 J**
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0770	<0.0770	<0.0770	<0.7700	<0.0780
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0770	<0.0770	<0.0770	<0.7700	<0.0780
Chrysene	218-01-9	MG/KG	18		**0.0130 J**	**0.15**	**0.0120 J**	**0.0830 J**	**0.075**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		<0.0040	**0.031**	<0.0040	<0.0390	**0.0150 J**
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
Diphenyl Ether	101-84-8	MG/KG	5.6		<0.0190	<0.0190	<0.0190	**0.45**	**0.094**
Fluoranthene	206-44-0	MG/KG	330		**0.023**	**0.32**	**0.022**	**0.0900 J**	**0.14**
Fluorene	86-73-7	MG/KG	56		<0.0040	**0.0170 J**	<0.0040	<0.0390	**0.0090 J**

Table 10B
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Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU16-SS-7	SWMU16-SS-8	SWMU16-SS-9	SWMU19-SS-1	SWMU19-SS-2
				Field Sample ID	SSP14-SWMU16-SS-7	SSP14-SWMU16-SS-8	SSP14-SWMU16-SS-9	SSP14-SWMU19-SS-1	SSP14-SWMU19-SS-2
				Date Sampled	12/10/2014	12/11/2014	12/10/2014	12/03/2014	12/03/2014
				Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		**0.0080 J**	**0.1**	**0.0100 J**	**0.1000 J**	**0.055**
Naphthalene	91-20-3	MG/KG	0.21		<0.0040	**0.0040 J**	<0.0040	<0.0390	<0.0040
Phenanthrene	85-01-8	MG/KG	68		**0.0080 J**	**0.18**	**0.0130 J**	<0.0390	**0.066**
Phenol	108-95-2	MG/KG	0.23		<0.0190	<0.0190	<0.0190	<0.1900	<0.0190
Pyrene	129-00-0	MG/KG	220		**0.023**	**0.26**	**0.0190 J**	**0.1000 J**	**0.11**
Polychlorinated Biphenyls									
PCB 1248	12672-29-6	MG/KG	0.14						
PCB 1254	11097-69-1	MG/KG	0.14						
PCB 1260	11096-82-5	MG/KG	0.14						
Inorganics									
Antimony	7440-36-0	MG/KG	0.9		**0.371 J**	<0.0952 UJ	**0.100 J**	**2.39**	**0.705 J**
Arsenic	7440-38-2	MG/KG	5.8		**1.71 J**	**0.756 J**	**0.946**	**1.94 J**	**0.928**
Barium	7440-39-3	MG/KG	580		**62.5**	**43.3**	**42.7**	**37.4**	**38.7**
Beryllium	7440-41-7	MG/KG	63		**1.15**	**0.876 J**	**0.877 J**	**1.21**	**0.842 J**
Cadmium	7440-43-9	MG/KG	3		**0.185 J**	**0.0789 J**	**0.119 J**	<0.0377	<0.0371
Chromium	7440-47-3	MG/KG	360000		**5.18**	**2.01 J**	**1.95 J**	**6.42**	**4.97**
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		**3.64**	**1.45**	**1.04 J**	**2.65**	**2.06**
Copper	7440-50-8	MG/KG	700		**3.41**	**3.10**	**2.91**	**3.83 J**	**2.67**
Lead	7439-92-1	MG/KG	270		**15.1 J**	**9.43 J**	**12.0 J**	**18.3 J**	**12.6**
Mercury	7439-97-6	MG/KG	1		**0.0254 J**	**0.0173 J**	**0.0169 J**	**0.0362 J**	**0.0254 J**
Nickel	7440-02-0	MG/KG	130		**18.9**	**13.2**	**16.5**	**20.5**	**16.8**
Selenium	7782-49-2	MG/KG	2.1		**0.327 J**	**0.242 J**	**0.220 J**	**0.362 J**	**0.197 J**
Silver	7440-22-4	MG/KG	3.4		<0.215	<0.214	<0.214	<0.217	**0.858 J**
Thallium	7440-28-0	MG/KG	0.28		**0.255 J**	**0.145 J**	**0.167 J**	**0.277 J**	**0.204 J**
Tin	7440-31-5	MG/KG	10000		**3.27 B**	**3.20 B**	**3.25 B**	**3.54 B**	**3.08 B**
Vanadium	7440-62-2	MG/KG	6 (22.8)		**18.2**	**8.73**	**7.26**	**17.2**	**10.3**
Zinc	7440-66-6	MG/KG	1200		**27.5**	**18.2**	**15.2**	**31.2 J**	**25.2 J**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 10B
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Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU19-SS-3	SWMU2C-SBS-1
				Field Sample ID	SSP14-SWMU19-SS-3	SSP14-SWMU2C-SBS-1
				Date Sampled	12/03/2014	12/10/2014
				Sample Purpose	FS	FS
Volatile Organic Compounds						
1,1,2,2-Tetrachloroethane	79-34-5	MG/KG	0.0012		<0.00090	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	2.3		<0.00090	<0.0010
Acetone	67-64-1	MG/KG	24		**0.032**	**0.027**
Benzene	71-43-2	MG/KG	0.0073		<0.00050	<0.00050
Carbon Disulfide	75-15-0	MG/KG	3.8		<0.00090	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	0.36		<0.00090	<0.0010
Ethylbenzene	100-41-4	MG/KG	8.1		<0.00090	<0.0010
Methyl Ethyl Ketone	78-93-3	MG/KG	16		<0.0040	<0.0040
Methylene Chloride	75-09-2	MG/KG	0.023		<0.0020	<0.0020
Tetrachloroethene	127-18-4	MG/KG	0.005		**0.02**	<0.0010
Toluene	108-88-3	MG/KG	5.5		<0.00090	<0.0010
trans-1,2-Dichloroethene	156-60-5	MG/KG	0.51		<0.00090	<0.0010
Trichloroethene	79-01-6	MG/KG	0.018		<0.00090	<0.0010
Trichlorofluoromethane	75-69-4	MG/KG	24		<0.0020	<0.0020
Semivolatile Organic Compounds						
1,2,4,5-Tetrachlorobenzene	95-94-3	MG/KG	0.097		**0.0200 J**	<0.0200
2,4-Dimethylphenol	105-67-9	MG/KG	1.4		<0.0190	<0.0200
2-Methylnaphthalene	91-57-6	MG/KG	1.6		<0.0040	**0.22**
2-Methylphenol (O-Cresol)	95-48-7	MG/KG	4.1		<0.0190	<0.0200
3-Methylcholanthrene	56-49-5	MG/KG	No Value		<0.0190	<0.0200
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	12		<0.0190	<0.0200
Acenaphthene	83-32-9	MG/KG	8.4		**0.0040 J**	**0.0070 J**
Acenaphthylene	208-96-8	MG/KG	21		**0.029**	<0.0040
Acetophenone	98-86-2	MG/KG	3.5		<0.0190	<0.0200
Anthracene	120-12-7	MG/KG	660		**0.024**	<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.18		**0.19**	**0.0070 J**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.6		**0.25**	**0.0090 J**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	7800		**0.13**	**0.0070 J**
Benzo(K)Fluoranthene	207-08-9	MG/KG	5.9		**0.1**	**0.0070 J**
Benzo[A]Pyrene	50-32-8	MG/KG	0.059		**0.17**	**0.0070 J**
Benzyl Alcohol	100-51-6	MG/KG	3.1		<0.1900	<0.2000
Biphenyl	92-52-4	MG/KG	43		**0.08**	<0.0200
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	7.2		<0.0750	<0.0780
Butyl Benzyl Phthalate	85-68-7	MG/KG	150		<0.0750	<0.0780
Chrysene	218-01-9	MG/KG	18		**0.18**	**0.0090 J**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.19		**0.036**	<0.0040
Dibenzofuran	132-64-9	MG/KG	5.2		<0.0190	<0.0200
Diphenyl Ether	101-84-8	MG/KG	5.6		**0.064**	<0.0200
Fluoranthene	206-44-0	MG/KG	330		**0.22**	**0.0070 J**
Fluorene	86-73-7	MG/KG	56		**0.0080 J**	**0.0060 J**

Table 10B
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Analyte	CAS No.	Units	NC PSRG - Mig to GW	Location ID	SWMU19-SS-3	SWMU2C-SBS-1
				Field Sample ID	SSP14-SWMU19-SS-3	SSP14-SWMU2C-SBS-1
				Date Sampled	12/03/2014	12/10/2014
				Sample Purpose	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	2		**0.12**	**0.0060 J**
Naphthalene	91-20-3	MG/KG	0.21		**0.0160 J**	**0.045**
Phenanthrene	85-01-8	MG/KG	68		**0.052**	**0.0170 J**
Phenol	108-95-2	MG/KG	0.23		<0.0190	<0.0200
Pyrene	129-00-0	MG/KG	220		**0.23**	**0.0110 J**
Polychlorinated Biphenyls						
PCB 1248	12672-29-6	MG/KG	0.14			
PCB 1254	11097-69-1	MG/KG	0.14			
PCB 1260	11096-82-5	MG/KG	0.14			
Inorganics						
Antimony	7440-36-0	MG/KG	0.9		**1.02 J**	<0.0959 UJ
Arsenic	7440-38-2	MG/KG	5.8		**1.41**	**1.34**
Barium	7440-39-3	MG/KG	580		**39.4**	**45.9**
Beryllium	7440-41-7	MG/KG	63		**1.30**	**1.00 J**
Cadmium	7440-43-9	MG/KG	3		<0.0364	**0.123 J**
Chromium	7440-47-3	MG/KG	360000		**5.93**	**6.40**
Cobalt	7440-48-4	MG/KG	0.9 (14.7)		**2.99**	**2.09**
Copper	7440-50-8	MG/KG	700		**3.53**	**5.34**
Lead	7439-92-1	MG/KG	270		**16.3**	**16.5 J**
Mercury	7439-97-6	MG/KG	1		**0.0313 J**	**0.0205 J**
Nickel	7440-02-0	MG/KG	130		**59.0**	**3.97**
Selenium	7782-49-2	MG/KG	2.1		**0.288 J**	**0.251 J**
Silver	7440-22-4	MG/KG	3.4		**0.520 J**	<0.216
Thallium	7440-28-0	MG/KG	0.28		**0.294**	**0.307**
Tin	7440-31-5	MG/KG	10000		**3.65 B**	**3.17 B**
Vanadium	7440-62-2	MG/KG	6 (22.8)		**14.9**	**11.6**
Zinc	7440-66-6	MG/KG	1200		**32.8 J**	**26.2**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 surface soil samples. Field duplicates included in statistical summary.
2 - Site-specific background concentrations presented in Phase III RFI Report.
DL - background value is the detection limit
3 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.

Indicates exceedance of a screening level and site-specific background (for inorganics).

Table 11
Constituents of Potential Concern in Water Supply Wells
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Analyte[1]	Detected in Surface Soil Above IHSB PSRGs	Detected in Subsurface Soil (or Waste) Above IHSB PSRGs	Detected in Groundwater (>NC 2L or IMAC)	Detected in Groundwater (> NC 2B)
1,1,2,2-Tetrachloroethane		X	X	X
1,1,2-Trichloroethane		X	X	
1,2-Dichloroethane		X	X	
1-Methylnaphthalene	X	X		
2-Methylnaphthalene	X	X		
Acenaphthene	X	X		
Benzaldehyde		X		
Benzene		X	X	
Benzo(A)Anthracene	X	X		
Benzo(B)Fluoranthene	X	X		
Benzo(K)Fluoranthene	X			
Benzo[A]Pyrene	X	X		
Biphenyl	X	X	X	
Carbazole	X	X		
Chrysene	X	X		
cis-1,2 Dichloroethene		X	X	
Dibenz(A,H)Anthracene	X	X		
Dibenzofuran	X	X		
Diphenyl Ether	X	X	X	X
Ethylbenzene		X		
Ethylene Glycol		X		
Indeno (1,2,3-CD) Pyrene	X	X		
Methylene Chloride		X		
Naphthalene	X	X		
Phenanthrene	X	X		
Phenol		X		
Tetrachloroethene	X	X	X	X
trans-1,2-Dichloroethene		X		
Trichloroethene		X	X	X
Vinyl Chloride		X	X	X
Xylenes		X		
Antimony	X	X		
Arsenic		X		
Cadmium		X		
Cobalt	X	X	X	
Nickel		X		
Silver	X	X		
Thallium	X	X	X	
Vanadium	X	X		

Notes:
1 - COPCs in surface and subsurface soil identified in Tables 7 and 8. Groundwater COPCs detailed in Tables 1 - 3.
NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (PSRGs) (March 2015)

Indicates COPC

Table 12A
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Screening Level		No. of Detects Above Screening Level
							NC 2L	NC IMAC	
Volatile Organic Compounds									
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	200		0
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	0.2		3
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9		0.6	1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	6		0
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	7		3
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	0.4		3
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	0.6		0
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	6		0
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1		0
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	0.3		1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	50		0
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	70		0
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	70		1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1000		0
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	3000		0
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	600		0
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	5		0
Styrene	100-42-5	UG/L	64	1	0.2	0.2	70		0
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	0.7		4
Toluene	108-88-3	UG/L	64	11	0.1	0.8	600		0
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	100		0
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	3		4
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	2000		0
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	0.03		27
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	500		0
Semivolatile Organic Compounds									
1,2-Diphenylhydrazine	122-66-7	UG/L	20	1	0.7	0.7	No Value	No Value	-
1,4-Dioxane	123-91-1	UG/L	43	18	1	13	3		4
1-Methylnaphthalene	90-12-0	UG/L	20	1	0.1	0.1		1	0
2-Methylnaphthalene	91-57-6	UG/L	40	7	0.011	0.12	30		0
Acenaphthene	83-32-9	UG/L	40	1	0.072	0.072	80		0
Anthracene	120-12-7	UG/L	40	1	0.013	0.013	2000		0

Table 12A
Constituents of Potential Concern in Water Supply Wells
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Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Screening Level		No. of Detects Above Screening Level
							NC 2L	NC IMAC	
Benzo(A)Anthracene	56-55-3	UG/L	40	1	0.012	0.012	0.05		0
Benzo(B)Fluoranthene	205-99-2	UG/L	40	1	0.011	0.011	0.05		0
Benzo(G,H,I)Perylene	191-24-2	UG/L	40	1	0.013	0.013	200		0
Benzo[A]Pyrene	50-32-8	UG/L	40	1	0.011	0.011	0.005		1 (LFD)
Dibenz(A,H)Anthracene	53-70-3	UG/L	40	2	0.011	0.015	0.005		2 (LFD)
Dibenzofuran	132-64-9	UG/L	40	2	3	6		28	0
Fluoranthene	206-44-0	UG/L	40	3	0.012	0.026	300		0
Fluorene	86-73-7	UG/L	40	5	0.012	0.041	300		0
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	40	1	0.012	0.012	0.05		0
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	6		0
Phenanthrene	85-01-8	UG/L	40	1	0.033	0.033	200		0
Phenol	108-95-2	UG/L	40	3	0.7	2	30		0
Pyrene	129-00-0	UG/L	40	3	0.012	0.018	200		0
Dowtherm									
Biphenyl	92-52-4	UG/L	54	6	0.6	1100	400		2
Diphenyl Ether	101-84-8	UG/L	54	22	0.8	3100		100	2
Inorganics									
Antimony	7440-36-0	UG/L	63	1	0.4	0.4		1	0
Arsenic	7440-38-2	UG/L	63	8	0.83	3.3	10		0
Barium	7440-39-3	UG/L	63	63	0.33	502	700		0
Beryllium	7440-41-7	UG/L	63	14	0.69	2.1		4	0
Cadmium	7440-43-9	UG/L	63	4	0.23	1.8	2		0
Chromium	7440-47-3	UG/L	63	9	1.4	5.3	10		0
Cobalt	7440-48-4	UG/L	63	14	1.2	26.3		1	14
Copper	7440-50-8	UG/L	63	2	3	3.1	1000		0
Iron	7439-89-6	UG/L	43	34	43.7	55600	300		21
Lead	7439-92-1	UG/L	63	29	0.083	6.3	15		0
Manganese	7439-96-5	UG/L	43	43	1.8	8240	50		25
Nickel	7440-02-0	UG/L	63	1	1.9	1.9	100		0
Selenium	7782-49-2	UG/L	63	1	5.5	5.5	20		0
Silver	7440-22-4	UG/L	63	1	2.2	2.2	20		0
Thallium	7440-28-0	UG/L	63	11	0.16	0.66		0.2	7
Vanadium	7440-62-2	UG/L	63	2	5.9	7.8		0.3	2

Table 12A
Constituents of Potential Concern in Water Supply Wells
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Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Screening Level		No. of Detects Above Screening Level
							NC 2L	NC IMAC	
Zinc	7440-66-6	UG/L	63	25	2.1	360	1000		0
Inorganic Nitrogen Compounds									
Nitrate	14797-55-8	UG/L	11	3	770	2800	10000		0
Ammonia	7664-41-7	UG/L	11	2	33200	35000		1500	2

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015.
Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
3 - COPC Notes
LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
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			Screening Level		Location ID	MW-104B	MW-105	MW-106A	MW-106A	MW-106B	MW-107A
					Field Sample ID	SSP14-GW-MW-104B	SSP14-GW-MW-105	GW1H14-MW-106A	GW2H14-MW-106A	SSP14-GW-MW-106B	GW1H14-MW-107A
					Date Sampled	11/18/2014	11/18/2014	04/09/2014	11/10/2014	12/15/2014	04/10/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	**0.2 J**	**0.2 J**	**0.3 J**	**0.2 J**
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1	<0.1	**0.1 J**	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	**0.2 J**	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6					<0.1	**0.1 J**		<0.1
Benzene	71-43-2	UG/L	1			<0.1	<0.1	**0.2 J**	**0.3 J**	<0.1	**0.5**
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			**0.6**	<0.1	**0.3 J**	**0.3 J**	**0.3 J**	**0.2 J**
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1			<0.1	
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	**0.8**	**0.7**	<0.1	**0.2 J**
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			**0.2 J**	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	**0.1 J**	<0.1	<0.1	**0.3 J**
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			**0.3 J**	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1	<0.1	**0.2 J**	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			**1.6**	<0.010	**0.32**	**0.37**	**0.042 J**	**1.2**
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1	**0.3 J**
Semivolatile Organic Compounds											
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value				<0.5	<0.5		<0.5
1,4-Dioxane	123-91-1	UG/L	3					**4 J**	**3 J**		**4 J**
1-Methylnaphthalene	90-12-0	UG/L		1				<0.1	<0.1		**0.1 J**
2-Methylnaphthalene	91-57-6	UG/L	30					<0.011	<0.011		**0.12**
Acenaphthene	83-32-9	UG/L	80					<0.011	<0.011		<0.010
Anthracene	120-12-7	UG/L	2000					<0.011	<0.011		<0.010
Benzo(A)Anthracene	56-55-3	UG/L	0.05					<0.011	<0.011		**0.012 J**
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05					<0.011	<0.011		**0.011 J**
Benzo(G,H,I)Perylene	191-24-2	UG/L	200					<0.011	<0.011		**0.013 J**
Benzo[A]Pyrene	50-32-8	UG/L	0.005					<0.011	<0.011		**0.011 J**
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005					<0.011	<0.011		**0.011 J**
Dibenzofuran	132-64-9	UG/L		28				<0.5	<0.5		<0.5
Fluoranthene	206-44-0	UG/L	300					<0.011	<0.011		<0.010
Fluorene	86-73-7	UG/L	300					<0.011	<0.011		<0.010

Table 12B
Constituents of Potential Concern in Water Supply Wells
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Cedar Mountain, NC

			Screening Level		Location ID	MW-104B	MW-105	MW-106A	MW-106A	MW-106B	MW-107A
					Field Sample ID	SSP14-GW-MW-104B	SSP14-GW-MW-105	GW1H14-MW-106A	GW2H14-MW-106A	SSP14-GW-MW-106B	GW1H14-MW-107A
					Date Sampled	11/18/2014	11/18/2014	04/09/2014	11/10/2014	12/15/2014	04/10/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05					<0.011	<0.011		**0.012 J**
Naphthalene	91-20-3	UG/L	6					<0.032	<0.032		**2.9**
Phenanthrene	85-01-8	UG/L	200					<0.032	<0.032		<0.030
Phenol	108-95-2	UG/L	30					<0.5	**0.7 J**		<0.5
Pyrene	129-00-0	UG/L	200					<0.011	<0.011		<0.010
Dowtherm											
Biphenyl	92-52-4	UG/L	400			<0.6	<0.6	<0.5	<0.5	<0.6	**2**
Diphenyl Ether	101-84-8	UG/L		100		<0.6	<0.6	**29**	**32**	<0.6	**32**
Inorganics											
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.34	<0.33	<0.33	<0.34
Arsenic	7440-38-2	UG/L	10			<0.82	<0.82	<0.78	<0.82	<0.82	<0.78
Barium	7440-39-3	UG/L	700			**1.7 J**	**8.3 J**	**76.9**	**76.6**	**1.4 J**	**80.6**
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	**0.85 J**	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	<0.23	<0.17	<0.17	<0.23
Chromium	7440-47-3	UG/L	10			<1.3	<1.3	<1.6	**1.6 J**	<1.3	<1.6
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	**1.8 J**	<1.0	<1.0	<1.3
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.7	<2.8	<2.8	<2.7
Iron	7439-89-6	UG/L	300			**191. J**	**115. J**			<33.4	
Lead	7439-92-1	UG/L	15			<0.082	<0.082	**0.20 J**	<0.082	<0.082	<0.085
Manganese	7439-96-5	UG/L	50			**88.9**	**53**			**29.5**	
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.5	<1.6	<1.6	<1.5
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<8.4	<4.8	<4.8	<8.4
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<2.1	<1.8	<1.8	<2.1
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<2.0	<1.9	<1.9	<2.0
Zinc	7440-66-6	UG/L	1000			<2.0	<2.0	**4.4 J**	<2.0	**3.0 J**	<2.0
Inorganic Nitrogen Compounds											
Nitrate	14797-55-8	UG/L	10000								
Ammonia	7664-41-7	UG/L		1500							

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
3 - COPC Notes
LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Water Supply Wells
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			Screening Level		Location ID	MW-107A	MW-107B	MW-107B	MW-108	MW-111B	MW-112A
					Field Sample ID	GW2H14-MW-107A	GW1H14-MW-107B	GW2H14-MW-107B	SSP14-GW-MW-108	SSP14-GW-MW-111B	SSP14-GW-MW-112A
					Date Sampled	11/11/2014	04/10/2014	11/11/2014	12/16/2014	12/19/2014	02/10/2015
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	**0.2 J**	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	**0.9**	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			**0.2 J**	**0.2 J**	**0.2 J**	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	**0.2 J**	**0.2 J**	**0.9**	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.1	<0.1	<0.1			
Benzene	71-43-2	UG/L	1			**0.5**	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			**0.2 J**	<0.1	<0.1	**1**	**2.3**	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000						<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	3000			**0.2 J**	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	<0.1	**1**	**4.3**	<0.1
Toluene	108-88-3	UG/L	600			**0.2 J**	**0.1 J**	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			<0.1	<0.1	<0.1	**0.8**	**22**	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	**0.1 J**	**0.2 J**	**6.0**	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			**1.0**	<0.010	<0.010	**0.15**	<0.010	<0.010
Xylenes	1330-20-7	UG/L	500			**0.5**	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds											
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value		<0.6	<0.5	<0.5			
1,4-Dioxane	123-91-1	UG/L	3			**3 J**	<1	<1			
1-Methylnaphthalene	90-12-0	UG/L		1		<0.1	<0.1	<0.1			
2-Methylnaphthalene	91-57-6	UG/L	30			**0.071**	<0.010	<0.011			
Acenaphthene	83-32-9	UG/L	80			**0.072**	<0.010	<0.011			
Anthracene	120-12-7	UG/L	2000			<0.011	<0.010	<0.011			
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.011	<0.010	<0.011			
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.011	<0.010	<0.011			
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.011	<0.010	<0.011			
Benzo[A]Pyrene	50-32-8	UG/L	0.005			<0.011	<0.010	<0.011			
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.011	<0.010	<0.011			
Dibenzofuran	132-64-9	UG/L		28		<0.6	<0.5	<0.5			
Fluoranthene	206-44-0	UG/L	300			<0.011	<0.010	<0.011			
Fluorene	86-73-7	UG/L	300			**0.012 J**	<0.010	<0.011			

Table 12B
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Cedar Mountain, NC

			Screening Level		Location ID	MW-107A	MW-107B	MW-107B	MW-108	MW-111B	MW-112A
					Field Sample ID	GW2H14-MW-107A	GW1H14-MW-107B	GW2H14-MW-107B	SSP14-GW-MW-108	SSP14-GW-MW-111B	SSP14-GW-MW-112A
					Date Sampled	11/11/2014	04/10/2014	11/11/2014	12/16/2014	12/19/2014	02/10/2015
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.011	<0.010	<0.011			
Naphthalene	91-20-3	UG/L	6			**2.1**	<0.031	<0.032			
Phenanthrene	85-01-8	UG/L	200			<0.033	<0.031	<0.032			
Phenol	108-95-2	UG/L	30			**2**	<0.5	<0.5			
Pyrene	129-00-0	UG/L	200			<0.011	<0.010	<0.011			
Dowtherm											
Biphenyl	92-52-4	UG/L	400			**2**	<0.5	<0.5			
Diphenyl Ether	101-84-8	UG/L		100		**52**	<0.5	<0.5			
Inorganics											
Antimony	7440-36-0	UG/L		1		<0.33	<0.34	<0.33	<0.33	<0.33	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82	<0.78	<0.82	<0.82	<0.82	**1.3 J**
Barium	7440-39-3	UG/L	700			**74.3**	**1.1 B**	**0.88 B**	**13**	**12.5**	**83.9**
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.23	<0.17	**0.34 J**	<0.17	<0.17
Chromium	7440-47-3	UG/L	10			**1.5 J**	<1.6	<1.3	<1.3	<1.3	**5.3 J**
Cobalt	7440-48-4	UG/L		1		<1.0	<1.3	<1.0	<1.0	<1.0	**1.2 J**
Copper	7440-50-8	UG/L	1000			<2.8	<2.7	<2.8	<2.8	<2.8	<2.8
Iron	7439-89-6	UG/L	300						<33.4	**918**	**4150**
Lead	7439-92-1	UG/L	15			<0.082	<0.085	<0.082	**0.30 J**	**0.55 J**	**3.2**
Manganese	7439-96-5	UG/L	50						**4720**	**27.5**	**159**
Nickel	7440-02-0	UG/L	100			<1.6	<1.5	<1.6	<1.6	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<8.4	<4.8	<4.8	<4.8	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<2.1	<1.8	<1.8	<1.8	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	<0.15	**0.18 J**	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<2.0	<1.9	<1.9	<1.9	**5.9 J**
Zinc	7440-66-6	UG/L	1000			**2.2 J**	<2.0	<2.0	<2.0	**4.8 J**	**15.7 J**
Inorganic Nitrogen Compounds											
Nitrate	14797-55-8	UG/L	10000						**770**		
Ammonia	7664-41-7	UG/L		1500					<200		

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
3 - COPC Notes
LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-112B	MW-114A	MW-114B	MW-202B	MW-207A
					Field Sample ID	SSP14-GW-MW-112B	SSP14-GW-MW-114A	SSP14-GW-MW-114B	SSP14-GW-MW-202B	SSP14-GW-MW-207A
					Date Sampled	12/18/2014	12/16/2014	12/16/2014	12/18/2014	12/17/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	**0.6**	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	**0.9**	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6							<0.5
Benzene	71-43-2	UG/L	1			<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	**1.8**	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	<0.1	<0.1	**1.7**	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	<0.1	**1.7**	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	**0.5**	<0.1
Trichloroethene	79-01-6	UG/L	3			<0.1	<0.1	<0.1	**20**	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			<0.010	<0.010	<0.010	<0.010	<0.010
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds										
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value						
1,4-Dioxane	123-91-1	UG/L	3							<1
1-Methylnaphthalene	90-12-0	UG/L		1						
2-Methylnaphthalene	91-57-6	UG/L	30							<0.010
Acenaphthene	83-32-9	UG/L	80							<0.010
Anthracene	120-12-7	UG/L	2000							<0.010
Benzo(A)Anthracene	56-55-3	UG/L	0.05							<0.010
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05							<0.010
Benzo(G,H,I)Perylene	191-24-2	UG/L	200							<0.010
Benzo[A]Pyrene	50-32-8	UG/L	0.005							<0.010
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005							<0.010
Dibenzofuran	132-64-9	UG/L		28						<0.5
Fluoranthene	206-44-0	UG/L	300							<0.010
Fluorene	86-73-7	UG/L	300							<0.010

Table 12B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-112B	MW-114A	MW-114B	MW-202B	MW-207A
					Field Sample ID	SSP14-GW-MW-112B	SSP14-GW-MW-114A	SSP14-GW-MW-114B	SSP14-GW-MW-202B	SSP14-GW-MW-207A
					Date Sampled	12/18/2014	12/16/2014	12/16/2014	12/18/2014	12/17/2014
Analyte	**CAS No.**	**Units**	**NC 2L**	**NC IMAC**	**Sample Purpose**	**FS**	**FS**	**FS**	**FS**	**FS**
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05							<0.010
Naphthalene	91-20-3	UG/L	6							<0.030
Phenanthrene	85-01-8	UG/L	200							<0.030
Phenol	108-95-2	UG/L	30							<0.5
Pyrene	129-00-0	UG/L	200							<0.010
Dowtherm										
Biphenyl	92-52-4	UG/L	400				<0.5	<0.5		<0.5
Diphenyl Ether	101-84-8	UG/L		100			**3**	<0.5		<0.5
Inorganics										
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.33	<0.33	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82	<0.82	<0.82	<0.82	<0.82
Barium	7440-39-3	UG/L	700			**5.8 J**	**5.2 B**	**0.39 B**	**0.81 J**	**21.4**
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	<0.17	<0.17	<0.17
Chromium	7440-47-3	UG/L	10			<1.3	<1.3	<1.3	<1.3	<1.3
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	<1.0	<1.0	<1.0
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.8	<2.8	<2.8
Iron	7439-89-6	UG/L	300			**52.6 J**	**12500**	<33.4	<33.4	<33.4
Lead	7439-92-1	UG/L	15			**0.56 J**	<0.082	<0.082	<0.082	<0.082
Manganese	7439-96-5	UG/L	50			**5.4 J**	**1460**	**1.8 J**	**17.3**	**20.4**
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.6	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<4.8	<4.8	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<1.8	<1.8	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<1.9	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000			<2.0	<2.0	<2.0	<2.0	<2.0
Inorganic Nitrogen Compounds										
Nitrate	14797-55-8	UG/L	10000							<250
Ammonia	7664-41-7	UG/L		1500						<200

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
3 - COPC Notes
LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-207B	MW-207B	MW-209A	MW-209B	MW-210A
					Field Sample ID	SSP14-GW-MW-207B	SSP14-GW-MW-207B-D	SSP14-GW-MW-209A	SSP14-GW-MW-209B	SSP14-GW-MW-210A
					Date Sampled	12/16/2014	12/16/2014	12/15/2014	12/15/2014	11/19/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	DUP	FS	FS	fs
Volatile Organic Compounds										
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1	<0.1	**0.2 J**
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.6	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	UG/L	1			<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			<0.010	<0.010	<0.010	<0.010	**0.020 J**
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds										
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value						
1,4-Dioxane	123-91-1	UG/L	3			<1	<1	<1	**3 J**	<1
1-Methylnaphthalene	90-12-0	UG/L		1						
2-Methylnaphthalene	91-57-6	UG/L	30			<0.011	<0.010	**0.011 J**	**0.011 J**	<0.011
Acenaphthene	83-32-9	UG/L	80			<0.011	<0.010	<0.010	<0.010	<0.011
Anthracene	120-12-7	UG/L	2000			<0.011	<0.010	<0.010	<0.010	<0.011
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.011	<0.010	<0.010	<0.010	<0.011
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.011	<0.010	<0.010	<0.010	<0.011
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.011	<0.010	<0.010	<0.010	<0.011
Benzo[A]Pyrene	50-32-8	UG/L	0.005			<0.011	<0.010	<0.010	<0.010	<0.011
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.011	<0.010	<0.010	<0.010	<0.011
Dibenzofuran	132-64-9	UG/L		28		<0.6	<0.5	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	UG/L	300			**0.014 J**	<0.010	<0.010	<0.010	<0.011
Fluorene	86-73-7	UG/L	300			<0.011	<0.010	<0.010	<0.010	<0.011

Table 12B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-207B	MW-207B	MW-209A	MW-209B	MW-210A
					Field Sample ID	SSP14-GW-MW-207B	SSP14-GW-MW-207B-D	SSP14-GW-MW-209A	SSP14-GW-MW-209B	SSP14-GW-MW-210A
					Date Sampled	12/16/2014	12/16/2014	12/15/2014	12/15/2014	11/19/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	DUP	FS	FS	fs
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.011	<0.010	<0.010	<0.010	<0.011
Naphthalene	91-20-3	UG/L	6			<0.033	<0.030	**0.054 J**	**0.056 J**	<0.032
Phenanthrene	85-01-8	UG/L	200			<0.033	<0.030	<0.031	<0.031	<0.032
Phenol	108-95-2	UG/L	30			<0.6	<0.5	<0.5	<0.5	<0.5
Pyrene	129-00-0	UG/L	200			<0.011	<0.010	<0.010	<0.010	<0.011
Dowtherm										
Biphenyl	92-52-4	UG/L	400			<0.6	<0.5	<0.5	<0.5	
Diphenyl Ether	101-84-8	UG/L		100		<0.6	<0.5	**2**	<0.5	
Inorganics										
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.33	<0.33	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82	<0.82	<0.82	<0.82	<0.82
Barium	7440-39-3	UG/L	700			**18.1**	**17.3**	**37.5**	**14.3**	**17.3**
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	<0.17	<0.17	<0.17
Chromium	7440-47-3	UG/L	10			<1.3	<1.3	<1.3	<1.3	<1.3
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	**3.3 J**	**1.4 J**	<1.0
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	**3.1 J**	<2.8	<2.8
Iron	7439-89-6	UG/L	300			<33.4	<33.4	**11400**	**195. J**	**3430**
Lead	7439-92-1	UG/L	15			<0.082	<0.082	**0.27 J**	**0.23 J**	<0.082
Manganese	7439-96-5	UG/L	50			**30.9**	**29**	**594**	**14.1**	**96.9**
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.6	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<4.8	<4.8	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<1.8	<1.8	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<1.9	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000			**2.1 J**	<2.0	<2.0	<2.0	<2.0
Inorganic Nitrogen Compounds										
Nitrate	14797-55-8	UG/L	10000			<250	<250			<250
Ammonia	7664-41-7	UG/L		1500		<200	<200			<200

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
3 - COPC Notes
LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-210B	MW-211A	MW-211B	MW-211C	MW-212A
					Field Sample ID	SSP14-GW-MW-210B	SSP14-GW-MW-211A	SSP14-GW-MW-211B	SSP14-GW-MW-211C	SSP14-GW-MW-212A
					Date Sampled	11/19/2014	11/18/2014	11/18/2014	11/19/2014	11/21/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	fs	FS	FS	fs	FS
Volatile Organic Compounds										
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	**0.1 J**	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			**0.3 J**	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			**0.9**	**0.8**	**1.4**	**4.3**	**7.9**
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	**0.3 J**
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	**0.1 J**	**0.2 J**
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.5				<0.6
Benzene	71-43-2	UG/L	1			**0.2 J**	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			**0.6**	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			**0.2 J**	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			**0.9**	**0.2 J**	<0.1	<0.1	**0.3 J**
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1	<0.1	**0.3 J**	**0.6**
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	**4.7**	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	**0.2 J**
Styrene	100-42-5	UG/L	70			<0.1	**0.2 J**	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	**0.3 J**	**0.2 J**	**0.1 J**
Toluene	108-88-3	UG/L	600			<0.1	**0.8**	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			**1.6**	**0.1 J**	<0.1	**0.2 J**	**0.3 J**
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	**1.6**	**9.0**	**26**	**37**
Vinyl Chloride	75-01-4	UG/L	0.03			**1.6**	**0.33**	**0.041 J**	<0.010	**0.080**
Xylenes	1330-20-7	UG/L	500			<0.1	**6.8**	<0.1	<0.1	<0.1
Semivolatile Organic Compounds										
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value						
1,4-Dioxane	123-91-1	UG/L	3			**2 J**				**2 J**
1-Methylnaphthalene	90-12-0	UG/L		1						
2-Methylnaphthalene	91-57-6	UG/L	30			<0.010				<0.011
Acenaphthene	83-32-9	UG/L	80			<0.010				<0.011
Anthracene	120-12-7	UG/L	2000			<0.010				<0.011
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.010				<0.011
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.010				<0.011
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.010				<0.011
Benzo[A]Pyrene	50-32-8	UG/L	0.005			<0.010				<0.011
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.010				<0.011
Dibenzofuran	132-64-9	UG/L		28		<0.5				<0.6
Fluoranthene	206-44-0	UG/L	300			**0.026 J**				<0.011
Fluorene	86-73-7	UG/L	300			<0.010				**0.013 J**

Table 12B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-210B	MW-211A	MW-211B	MW-211C	MW-212A
					Field Sample ID	SSP14-GW-MW-210B	SSP14-GW-MW-211A	SSP14-GW-MW-211B	SSP14-GW-MW-211C	SSP14-GW-MW-212A
					Date Sampled	11/19/2014	11/18/2014	11/18/2014	11/19/2014	11/21/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	fs	FS	FS	fs	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.010				<0.011
Naphthalene	91-20-3	UG/L	6			<0.030				**0.084**
Phenanthrene	85-01-8	UG/L	200			<0.030				<0.033
Phenol	108-95-2	UG/L	30			<0.5				<0.6
Pyrene	129-00-0	UG/L	200			**0.017 J**				**0.018 J**
Dowtherm										
Biphenyl	92-52-4	UG/L	400			**0.6 J**				<0.6
Diphenyl Ether	101-84-8	UG/L		100		**43**				**0.9 J**
Inorganics										
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.33	<0.33	**0.40 J**
Arsenic	7440-38-2	UG/L	10			<0.82	**0.99 J**	**2.7 J**	<0.82	**2.3 J**
Barium	7440-39-3	UG/L	700			**1.2 J**	**26**	**91.3**	**66.6**	**7.1 J**
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	**1.6 J**	**2.1 J**	**0.75 J**
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	**0.32 J**	**0.23 J**	<0.17
Chromium	7440-47-3	UG/L	10			<1.3	**1.4 J**	**1.7 J**	<1.3	**2.4 J**
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	<1.0	<1.0	**2.2 J**
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.8	<2.8	<2.8
Iron	7439-89-6	UG/L	300			**74.9 J**	**2840**	<33.4	**167. J**	**36800**
Lead	7439-92-1	UG/L	15			<0.082	**0.78 J**	**0.15 J**	**0.54 J**	**0.15 J**
Manganese	7439-96-5	UG/L	50			**79.2**	**1400**	**8240**	**394**	**7370**
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.6	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<4.8	<4.8	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<1.8	<1.8	**2.2 J**
Thallium	7440-28-0	UG/L		0.2		<0.15	**0.19 J**	**0.18 J**	**0.29 J**	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<1.9	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000			<2.0	<2.0	<2.0	**3.5 J**	**10.0 J**
Inorganic Nitrogen Compounds										
Nitrate	14797-55-8	UG/L	10000			<250	<250	**1200.00**	**2800.00**	
Ammonia	7664-41-7	UG/L		1500		<200	<200	<200	<200	

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
3 - COPC Notes
LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-212B	MW-212B	MW-213	MW-213	MW-213	MW-214
					Field Sample ID	SSP14-GW-MW-212B	SSP14-GW-MW-212B-D	GW1H14-MW-213	GW1H14-MW-213-D	GW2H14-MW-213	SSP14-GW-MW-214
					Date Sampled	11/21/2014	11/21/2014	04/09/2014	04/09/2014	11/12/2014	12/15/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	DUP	FS	DUP	FS	FS
Volatile Organic Compounds											
1,1,1-Trichloroethane	71-55-6	UG/L	200			**0.1 J**	**0.1 J**	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	**0.1 J**	**0.1 J**	<0.1	**0.2 J**
1,1-Dichloroethene	75-35-4	UG/L	7			**23**	**20**	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			**0.8**	**0.8**	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			**0.6**	**0.6**	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.5		<0.1	<0.1	<0.1	<0.5
Benzene	71-43-2	UG/L	1			<0.1	<0.1	**0.2 J**	**0.2 J**	<0.1	**0.3 J**
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1	**0.3 J**
Chloroform	67-66-3	UG/L	70			**0.3 J**	**0.3 J**	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			**1.2**	**1.2**	<0.1	<0.1	<0.1	**0.4 J**
Dichlorodifluoromethane	75-71-8	UG/L	1000			**0.8**	**0.9**				<0.1
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	**0.1 J**	**0.1 J**	<0.1	**0.5**
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			**0.6**	**0.6**	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			**0.3 J**	**0.3 J**	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	**0.1 J**	**0.1 J**	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			**1.1**	**1.1**	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			**96**	**95**	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			**0.19**	**0.19**	**0.29**	**0.29**	**0.16**	**0.52**
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds											
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value				<0.5	<0.6	<0.6	
1,4-Dioxane	123-91-1	UG/L	3			**5**		<1	**2 J**	**3 J**	**13**
1-Methylnaphthalene	90-12-0	UG/L		1				<0.1	<0.1	<0.1	
2-Methylnaphthalene	91-57-6	UG/L	30			**0.046 J**		<0.011	<0.011	<0.012	<0.010
Acenaphthene	83-32-9	UG/L	80			<0.010		<0.011	<0.011	<0.012	<0.010
Anthracene	120-12-7	UG/L	2000			<0.010		<0.011	<0.011	<0.012	<0.010
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.010		<0.011	<0.011	<0.012	<0.010
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.010		<0.011	<0.011	<0.012	<0.010
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.010		<0.011	<0.011	<0.012	<0.010
Benzo[A]Pyrene	50-32-8	UG/L	0.005			<0.010		<0.011	<0.011	<0.012	<0.010
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.010		<0.011	<0.011	<0.012	<0.010
Dibenzofuran	132-64-9	UG/L		28		<0.5		<0.5	<0.6	<0.6	<0.5
Fluoranthene	206-44-0	UG/L	300			<0.010		<0.011	<0.011	<0.012	<0.010
Fluorene	86-73-7	UG/L	300			**0.041 J**		<0.011	<0.011	<0.012	<0.010

Table 12B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-212B	MW-212B	MW-213	MW-213	MW-213	MW-214
					Field Sample ID	SSP14-GW-MW-212B	SSP14-GW-MW-212B-D	GW1H14-MW-213	GW1H14-MW-213-D	GW2H14-MW-213	SSP14-GW-MW-214
					Date Sampled	11/21/2014	11/21/2014	04/09/2014	04/09/2014	11/12/2014	12/15/2014
Analyte	**CAS No.**	**Units**	**NC 2L**	**NC IMAC**	**Sample Purpose**	**FS**	**DUP**	**FS**	**DUP**	**FS**	**FS**
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.010		<0.011	<0.011	<0.012	<0.010
Naphthalene	91-20-3	UG/L	6			**0.46**		**0.057**	<0.033	<0.035	**0.10**
Phenanthrene	85-01-8	UG/L	200			<0.030		<0.033	<0.033	<0.035	<0.030
Phenol	108-95-2	UG/L	30			<0.5		<0.5	<0.6	<0.6	<0.5 R
Pyrene	129-00-0	UG/L	200			**0.012 J**		<0.011	<0.011	<0.012	<0.010
Dowtherm											
Biphenyl	92-52-4	UG/L	400			**2**		<0.5	<0.6	<0.6	<0.5
Diphenyl Ether	101-84-8	UG/L		100		**7**		**31**	**30**	**61**	**4**
Inorganics											
Antimony	7440-36-0	UG/L		1		<0.33		<0.34	<0.34	<0.33	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82		<0.78	<0.78	<0.82	**1.5 J**
Barium	7440-39-3	UG/L	700			**4.4 J**		**6.5 J**	**6.8 J**	**6.1 J**	**20.6**
Beryllium	7440-41-7	UG/L		4		**1.2 J**		**1.7 J**	**1.7 J**	**1.2 J**	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17		<0.23	<0.23	<0.17	**1.8**
Chromium	7440-47-3	UG/L	10			**1.6 J**		<1.6	<1.6	<1.3	<1.3
Cobalt	7440-48-4	UG/L		1		<1.0		**1.4 J**	<1.3	<1.0	**12.1**
Copper	7440-50-8	UG/L	1000			<2.8		<2.7	<2.7	<2.8	<2.8
Iron	7439-89-6	UG/L	300			**722**					**55600**
Lead	7439-92-1	UG/L	15			**0.46 J**		<0.085	<0.085	<0.082	**1.9 J**
Manganese	7439-96-5	UG/L	50			**801**					**1450**
Nickel	7440-02-0	UG/L	100			<1.6		<1.5	<1.5	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8		<8.4	<8.4	<4.8	**5.5 J**
Silver	7440-22-4	UG/L	20			<1.8		<2.1	<2.1	<1.8	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15		<0.15	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9		<2.0	<2.0	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000			**5.3 J**		<2.0	<2.0	<2.0	**360**
Inorganic Nitrogen Compounds											
Nitrate	14797-55-8	UG/L	10000								
Ammonia	7664-41-7	UG/L		1500							

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
3 - COPC Notes
LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-215	MW-216A	MW-216A	MW-216B	MW-216B	MW-219A
					Field Sample ID	SSP14-GW-MW-215	GW1H14-MW-216A	GW2H14-MW-216A	GW1H14-MW-216B	GW2H14-MW-216B	SSP14-GW-MW-219A
					Date Sampled	11/14/2014	04/08/2014	11/10/2014	04/08/2014	11/10/2014	11/13/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	fs	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	**0.7**	**0.3 J**	**0.3 J**	**0.3 J**	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.6	<0.1	<0.1	<0.1	<0.1	
Benzene	71-43-2	UG/L	1			**0.2 J**	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1					<0.1
Ethyl Chloride	75-00-3	UG/L	3000			**0.4 J**	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	**0.4 J**	**0.4 J**	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	**0.2 J**	<0.1	**0.2 J**	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	**4.3**	**3.7**	**0.3 J**	**0.6**	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			**0.33**	<0.010	<0.010	**0.020 J**	**0.012 J**	<0.010
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds											
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value			<0.5	<0.6	**0.7 J**	<0.5	
1,4-Dioxane	123-91-1	UG/L	3			**2 J**	<1	<1	**2 J**	**1 J**	
1-Methylnaphthalene	90-12-0	UG/L		1			<0.1	<0.1	<0.1	<0.1	
2-Methylnaphthalene	91-57-6	UG/L	30			<0.012	<0.010	<0.011	**0.035 J**	**0.052**	
Acenaphthene	83-32-9	UG/L	80			<0.012	<0.010	<0.011	<0.011	<0.010	
Anthracene	120-12-7	UG/L	2000			<0.012	**0.013 J**	<0.011	<0.011	<0.010	
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.012	<0.010	<0.011	<0.011	<0.010	
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.012	<0.010	<0.011	<0.011	<0.010	
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.012	<0.010	<0.011	<0.011	<0.010	
Benzo[A]Pyrene	50-32-8	UG/L	0.005			<0.012	<0.010	<0.011	<0.011	<0.010	
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.012	<0.010	<0.011	<0.011	<0.010	
Dibenzofuran	132-64-9	UG/L		28		<0.6	<0.5	<0.6	**3**	**6**	
Fluoranthene	206-44-0	UG/L	300			<0.012	<0.010	<0.011	**0.012 J**	<0.010	
Fluorene	86-73-7	UG/L	300			<0.012	<0.010	<0.011	**0.018 J**	**0.029 J**	

Table 12B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-215	MW-216A	MW-216A	MW-216B	MW-216B	MW-219A
					Field Sample ID	SSP14-GW-MW-215	GW1H14-MW-216A	GW2H14-MW-216A	GW1H14-MW-216B	GW2H14-MW-216B	SSP14-GW-MW-219A
					Date Sampled	11/14/2014	04/08/2014	11/10/2014	04/08/2014	11/10/2014	11/13/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	fs	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.012	<0.010	<0.011	<0.011	<0.010	
Naphthalene	91-20-3	UG/L	6			<0.035	**0.045 J**	<0.033	**0.90**	**1.5**	
Phenanthrene	85-01-8	UG/L	200			<0.035	<0.031	<0.033	<0.032	**0.033 J**	
Phenol	108-95-2	UG/L	30			**0.9 J**	<0.5	<0.6	<0.5	<0.5	
Pyrene	129-00-0	UG/L	200			<0.012	<0.010	<0.011	<0.011	<0.010	
Dowtherm											
Biphenyl	92-52-4	UG/L	400			<0.6	<0.5	<0.6	**570**	**1100**	<0.5
Diphenyl Ether	101-84-8	UG/L		100		**85**	<0.5	<0.6	**1900**	**3100**	<0.5
Inorganics											
Antimony	7440-36-0	UG/L		1		<0.33	<0.34	<0.33	<0.34	<0.33	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82	<0.78	<0.82	<0.78	<0.82	<0.82
Barium	7440-39-3	UG/L	700			**2.4 J**	**41.1**	**35.2**	**5.2 J**	**4.6 J**	**18.6**
Beryllium	7440-41-7	UG/L		4		**1.9 J**	**0.77 J**	**0.82 J**	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.23	<0.17	<0.23	<0.17	<0.17
Chromium	7440-47-3	UG/L	10			**2.3 J**	<1.6	<1.3	<1.6	<1.3	<1.3
Cobalt	7440-48-4	UG/L		1		**26.3**	<1.3	<1.0	<1.3	<1.0	<1.0
Copper	7440-50-8	UG/L	1000			<2.8	<2.7	<2.8	<2.7	<2.8	<2.8
Iron	7439-89-6	UG/L	300			**10600**					<33.4
Lead	7439-92-1	UG/L	15			<0.082	**0.13 J**	**0.14 J**	<0.085	<0.082	<0.082
Manganese	7439-96-5	UG/L	50			**7360**					**9.8 J**
Nickel	7440-02-0	UG/L	100			<1.6	<1.5	<1.6	<1.5	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<8.4	<4.8	<8.4	<4.8	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<2.1	<1.8	<2.1	<1.8	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	**0.16 J**	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<2.0	<1.9	<2.0	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000			**15.3 B**	**4.6 J**	<2.0	**3.8 J**	<2.0	**3.5 B**
Inorganic Nitrogen Compounds											
Nitrate	14797-55-8	UG/L	10000								
Ammonia	7664-41-7	UG/L		1500							

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
3 - COPC Notes
LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-219B	MW-221B	MW-222A	MW-222B	MW-225A
					Field Sample ID	SSP14-GW-MW-219B	SSP14-GW-MW-221B	SSP14-GW-MW-222A	SSP14-GW-MW-222B	SSP14-GW-MW-225A
					Date Sampled	12/13/2014	12/18/2014	12/18/2014	12/18/2014	12/16/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			**1.4**	<0.1	**0.2 J**	<0.1	**0.2 J**
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		**0.1 J**	<0.1	**0.9**	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	**0.3 J**	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	**1.3**	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	**1.3**	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6							
Benzene	71-43-2	UG/L	1			<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			**0.5**	**0.2 J**	**110**	**0.5**	**3.0**
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	**0.1 J**	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	**0.1 J**	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	**2.4**	<0.1	**0.4 J**
Trichloroethene	79-01-6	UG/L	3			**0.4 J**	<0.1	**1.5**	**0.1 J**	**0.8**
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			**0.031 J**	**0.11**	**120**	**0.12**	<0.010
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	**0.6**	<0.1	<0.1
Semivolatile Organic Compounds										
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value						
1,4-Dioxane	123-91-1	UG/L	3							
1-Methylnaphthalene	90-12-0	UG/L		1						
2-Methylnaphthalene	91-57-6	UG/L	30							
Acenaphthene	83-32-9	UG/L	80							
Anthracene	120-12-7	UG/L	2000							
Benzo(A)Anthracene	56-55-3	UG/L	0.05							
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05							
Benzo(G,H,I)Perylene	191-24-2	UG/L	200							
Benzo[A]Pyrene	50-32-8	UG/L	0.005							
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005							
Dibenzofuran	132-64-9	UG/L		28						
Fluoranthene	206-44-0	UG/L	300							
Fluorene	86-73-7	UG/L	300							

Table 12B
Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-219B	MW-221B	MW-222A	MW-222B	MW-225A
					Field Sample ID	SSP14-GW-MW-219B	SSP14-GW-MW-221B	SSP14-GW-MW-222A	SSP14-GW-MW-222B	SSP14-GW-MW-225A
					Date Sampled	12/13/2014	12/18/2014	12/18/2014	12/18/2014	12/16/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05							
Naphthalene	91-20-3	UG/L	6							
Phenanthrene	85-01-8	UG/L	200							
Phenol	108-95-2	UG/L	30							
Pyrene	129-00-0	UG/L	200							
Dowtherm										
Biphenyl	92-52-4	UG/L	400			<0.6	<0.6	<0.6	<0.6	<0.5
Diphenyl Ether	101-84-8	UG/L		100		<0.6	<0.6	**0.8 J**	<0.6	<0.5
Inorganics										
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.33	<0.33	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82	<0.82	<0.82	<0.82	<0.82
Barium	7440-39-3	UG/L	700			**0.75 J**	**1.2 J**	**20.7**	**1.2 J**	**28.2**
Beryllium	7440-41-7	UG/L		4		**0.69 J**	<0.67	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	<0.17	<0.17	<0.17
Chromium	7440-47-3	UG/L	10			<1.3	<1.3	<1.3	<1.3	<1.3
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	**4.1 J**	<1.0	<1.0
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.8	<2.8	**3.0 J**
Iron	7439-89-6	UG/L	300			**110. J**	**1320**	**14200**	**398. J**	**309. J**
Lead	7439-92-1	UG/L	15			**0.15 J**	**0.17 J**	<0.082	**0.13 J**	**2.5**
Manganese	7439-96-5	UG/L	50			**4.5 J**	**132**	**719**	**5680**	**96.4**
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.6	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<4.8	<4.8	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<1.8	<1.8	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15	**0.22 J**	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<1.9	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000			**7.7 B**	<2.0	**2.3 J**	**2.6 J**	**4.6 J**
Inorganic Nitrogen Compounds										
Nitrate	14797-55-8	UG/L	10000							
Ammonia	7664-41-7	UG/L		1500						

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
3 - COPC Notes
LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Water Supply Wells
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Cedar Mountain, NC

			Screening Level		Location ID	MW-225B	MW-300	MW-301A	MW-301B	MW-302A
					Field Sample ID	SSP14-GW-MW-225B	SSP14-GW-MW-300	SSP14-GW-MW-301A	SSP14-GW-MW-301B	SSP14-GW-MW-302A
					Date Sampled	12/16/2014	12/17/2014	11/20/2014	11/20/2014	11/20/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		**0.3 J**	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6				<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	UG/L	1			<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			**5.0**	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			**0.3 J**	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			**0.7**	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			**1.9**	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	**3.7**	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			**0.015 J**	<0.010	<0.010	<0.010	<0.010
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds										
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value						
1,4-Dioxane	123-91-1	UG/L	3				<1	<1	<1	<1
1-Methylnaphthalene	90-12-0	UG/L		1						
2-Methylnaphthalene	91-57-6	UG/L	30				<0.010	<0.010	<0.011	<0.010
Acenaphthene	83-32-9	UG/L	80				<0.010	<0.010	<0.011	<0.010
Anthracene	120-12-7	UG/L	2000				<0.010	<0.010	<0.011	<0.010
Benzo(A)Anthracene	56-55-3	UG/L	0.05				<0.010	<0.010	<0.011	<0.010
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05				<0.010	<0.010	<0.011	<0.010
Benzo(G,H,I)Perylene	191-24-2	UG/L	200				<0.010	<0.010	<0.011	<0.010
Benzo[A]Pyrene	50-32-8	UG/L	0.005				<0.010	<0.010	<0.011	<0.010
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005				<0.010	<0.010	<0.011	<0.010
Dibenzofuran	132-64-9	UG/L		28			<0.5	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	UG/L	300				<0.010	<0.010	<0.011	<0.010
Fluorene	86-73-7	UG/L	300				<0.010	<0.010	<0.011	<0.010

Table 12B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-225B	MW-300	MW-301A	MW-301B	MW-302A
					Field Sample ID	SSP14-GW-MW-225B	SSP14-GW-MW-300	SSP14-GW-MW-301A	SSP14-GW-MW-301B	SSP14-GW-MW-302A
					Date Sampled	12/16/2014	12/17/2014	11/20/2014	11/20/2014	11/20/2014
Analyte	**CAS No.**	**Units**	**NC 2L**	**NC IMAC**	**Sample Purpose**	**FS**	**FS**	**FS**	**FS**	**FS**
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05				<0.010	<0.010	<0.011	<0.010
Naphthalene	91-20-3	UG/L	6				<0.030	<0.031	<0.032	<0.031
Phenanthrene	85-01-8	UG/L	200				<0.030	<0.031	<0.032	<0.031
Phenol	108-95-2	UG/L	30				<0.5	<0.5	<0.5	<0.5
Pyrene	129-00-0	UG/L	200				<0.010	<0.010	<0.011	<0.010
Dowtherm										
Biphenyl	92-52-4	UG/L	400			<0.5	<0.5	<0.5	<0.5	<0.5
Diphenyl Ether	101-84-8	UG/L		100		<0.5	<0.5	<0.5	<0.5	<0.5
Inorganics										
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.33	<0.33	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82	<0.82	<0.82	<0.82	<0.82
Barium	7440-39-3	UG/L	700			**3.3 B**	**49.2**	**12.7**	**2.2 J**	**0.83 J**
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	<0.17	<0.17	<0.17
Chromium	7440-47-3	UG/L	10			<1.3	<1.3	<1.3	<1.3	<1.3
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	<1.0	**20.3**	<1.0
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.8	<2.8	<2.8
Iron	7439-89-6	UG/L	300			**963**	**2560**	**2150**	**90.7 J**	**89.4 J**
Lead	7439-92-1	UG/L	15			<0.082	**0.46 J**	**0.18 J**	<0.082	<0.082
Manganese	7439-96-5	UG/L	50			**3010**	**132**	**33.6**	**25.5**	**3.2 J**
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.6	<1.6	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<4.8	<4.8	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<1.8	<1.8	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15	**0.30 J**	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<1.9	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000			<2.0	**4.0 J**	<2.0	**2.4 J**	<2.0
Inorganic Nitrogen Compounds										
Nitrate	14797-55-8	UG/L	10000							
Ammonia	7664-41-7	UG/L		1500						

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
3 - COPC Notes
LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-302B	MW-303	MW-304A	MW-304B	MW-305	R87-S10
					Field Sample ID	SSP14-GW-MW-302B	SSP14-GW-MW-303	SSP14-GW-MW-304A	SSP14-GW-MW-304B	SSP14-GW-MW-305	GW1H14-R87-S10
					Date Sampled	11/20/2014	11/14/2014	12/16/2014	12/16/2014	12/17/2014	04/09/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	fs	FS	FS	FS	FS
Volatile Organic Compounds											
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	**0.2 J**	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	**0.1 J**	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.5	<0.6	<0.5	<0.5	<0.5	<0.1
Benzene	71-43-2	UG/L	1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	**0.2 J**	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	<0.1	**5.8**	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1	<0.1	<0.1	<0.1	
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	**87**	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	**0.1 J**	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			<0.1	<0.1	**22**	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds											
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value							<0.5
1,4-Dioxane	123-91-1	UG/L	3			<1	<1	<1	<1	<1	<1
1-Methylnaphthalene	90-12-0	UG/L		1							<0.1
2-Methylnaphthalene	91-57-6	UG/L	30			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Acenaphthene	83-32-9	UG/L	80			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Anthracene	120-12-7	UG/L	2000			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Benzo[A]Pyrene	50-32-8	UG/L	0.005			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.011	**0.015 B**	<0.010	<0.010	<0.010	<0.010
Dibenzofuran	132-64-9	UG/L		28		<0.5	<0.6	<0.5	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	UG/L	300			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Fluorene	86-73-7	UG/L	300			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010

Table 12B
Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	MW-302B	MW-303	MW-304A	MW-304B	MW-305	R87-S10
					Field Sample ID	SSP14-GW-MW-302B	SSP14-GW-MW-303	SSP14-GW-MW-304A	SSP14-GW-MW-304B	SSP14-GW-MW-305	GW1H14-R87-S10
					Date Sampled	11/20/2014	11/14/2014	12/16/2014	12/16/2014	12/17/2014	04/09/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	fs	FS	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Naphthalene	91-20-3	UG/L	6			<0.032	<0.034	<0.030	<0.030	<0.030	<0.030
Phenanthrene	85-01-8	UG/L	200			<0.032	<0.034	<0.030	<0.030	<0.030	<0.030
Phenol	108-95-2	UG/L	30			<0.5	<0.6	<0.5	<0.5	<0.5	<0.5
Pyrene	129-00-0	UG/L	200			<0.011	<0.011	<0.010	<0.010	<0.010	<0.010
Dowtherm											
Biphenyl	92-52-4	UG/L	400			<0.5	<0.6	<0.5	<0.5	<0.5	<0.5
Diphenyl Ether	101-84-8	UG/L		100		<0.5	<0.6	<0.5	<0.5	<0.5	<0.5
Inorganics											
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.33	<0.33	<0.33	<0.34
Arsenic	7440-38-2	UG/L	10			<0.82	<0.82	<0.82	<0.82	**3.3 J**	<0.78
Barium	7440-39-3	UG/L	700			**0.57 J**	**3.4 J**	**14.6**	**0.33 B**	**34.4**	**12.9**
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	<0.67	<0.67	**0.93 J**	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	<0.17	<0.17	<0.17	<0.23
Chromium	7440-47-3	UG/L	10			<1.3	<1.3	<1.3	<1.3	**4.4 J**	<1.6
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	<1.0	<1.0	<1.0	<1.3
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.8	<2.8	<2.8	<2.7
Iron	7439-89-6	UG/L	300			**170. J**	**74.8 J**	**110. J**	**43.7 J**	**8820**	
Lead	7439-92-1	UG/L	15			**0.083 J**	<0.082	**5.4**	<0.082	**6.3**	<0.085
Manganese	7439-96-5	UG/L	50			**5.4 J**	**7.4 J**	**41.8**	**27.1**	**215**	
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.6	<1.6	**1.9 J**	<1.5
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<4.8	<4.8	<4.8	<8.4
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<1.8	<1.8	<1.8	<2.1
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	**0.21 J**	<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<1.9	<1.9	**7.8 J**	<2.0
Zinc	7440-66-6	UG/L	1000			<2.0	**4.9 B**	**2.8 J**	<2.0	**12.9 J**	<2.0
Inorganic Nitrogen Compounds											
Nitrate	14797-55-8	UG/L	10000								
Ammonia	7664-41-7	UG/L		1500							

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
3 - COPC Notes
LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Water Supply Wells
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Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	R87-S10	R87-S10	R87-S4	R87-S5	R87-S5	R87-S8
					Field Sample ID	GW2H14-R87-S10	GW2H14-R87-S10-D	SSP14-GW-R87-S4	SSP14-GW-R87-S5	SSP14-GW-R87-S5-D	GW1H14-R87-S8
					Date Sampled	11/11/2014	11/11/2014	11/13/2014	12/19/2014	11/12/2014	04/09/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	DUP	FS	FS	DUP	FS
Volatile Organic Compounds											
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	<0.1	**0.1 J**	**0.1 J**	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1	**2.3**	**1.9**	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.1	<0.1				<0.1
Benzene	71-43-2	UG/L	1			<0.1	<0.1	**0.1 J**	**0.2 J**	**0.2 J**	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	<0.1	**2.5**	<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000					<0.1	<0.1	<0.1	
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	<0.1	<0.1	<0.1	<0.1	**0.1 J**
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			<0.1	<0.1	**6.1**	<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			<0.010	<0.010	**0.043 J**	**0.13**	**0.15**	**0.066**
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds											
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value		<0.5	<0.6				<0.5
1,4-Dioxane	123-91-1	UG/L	3			<1	<1	**3 J**	**2 J**	**2 J**	<1
1-Methylnaphthalene	90-12-0	UG/L		1		<0.1	<0.1				<0.1
2-Methylnaphthalene	91-57-6	UG/L	30			<0.010	<0.011				<0.010
Acenaphthene	83-32-9	UG/L	80			<0.010	<0.011				<0.010
Anthracene	120-12-7	UG/L	2000			<0.010	<0.011				<0.010
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.010	<0.011				<0.010
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.010	<0.011				<0.010
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.010	<0.011				<0.010
Benzo[A]Pyrene	50-32-8	UG/L	0.005			<0.010	<0.011				<0.010
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.010	<0.011				<0.010
Dibenzofuran	132-64-9	UG/L		28		<0.5	<0.6				<0.5
Fluoranthene	206-44-0	UG/L	300			<0.010	<0.011				<0.010
Fluorene	86-73-7	UG/L	300			<0.010	<0.011				<0.010

Table 12B
Constituents of Potential Concern in Water Supply Wells
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			Screening Level		Location ID	R87-S10	R87-S10	R87-S4	R87-S5	R87-S5	R87-S8
					Field Sample ID	GW2H14-R87-S10	GW2H14-R87-S10-D	SSP14-GW-R87-S4	SSP14-GW-R87-S5	SSP14-GW-R87-S5-D	GW1H14-R87-S8
					Date Sampled	11/11/2014	11/11/2014	11/13/2014	12/19/2014	11/12/2014	04/09/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	DUP	FS	FS	DUP	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.010	<0.011				<0.010
Naphthalene	91-20-3	UG/L	6			<0.030	<0.034				**0.068**
Phenanthrene	85-01-8	UG/L	200			<0.030	<0.034				<0.031
Phenol	108-95-2	UG/L	30			<0.5	<0.6				<0.5
Pyrene	129-00-0	UG/L	200			<0.010	<0.011				<0.010
Dowtherm											
Biphenyl	92-52-4	UG/L	400			<0.5	<0.6	<0.6	<0.5	<0.5	<0.5
Diphenyl Ether	101-84-8	UG/L		100		<0.5	<0.6	**1**	**16 J**	**9 J**	**2**
Inorganics											
Antimony	7440-36-0	UG/L		1		<0.33	<0.33	<0.33	<0.33	<0.33	<0.34
Arsenic	7440-38-2	UG/L	10			<0.82	<0.82	**1.0 J**	**0.83 J**	<0.82	<0.78
Barium	7440-39-3	UG/L	700			**17.9**	**17.3**	**94.9**	**500**	**502**	**36.5**
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	**0.85 J**	<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.17	<0.17	<0.17	<0.17	<0.23
Chromium	7440-47-3	UG/L	10			<1.3	<1.3	<1.3	<1.3	<1.3	<1.6
Cobalt	7440-48-4	UG/L		1		<1.0	<1.0	**2.5 J**	**6.3 J**	**6.3 J**	**1.5 J**
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.8	<2.8	<2.8	<2.7
Iron	7439-89-6	UG/L	300					**13600**	**31900**	**31500**	
Lead	7439-92-1	UG/L	15			<0.082	<0.082	**0.20 J**	**0.098 J**	**0.10 J**	<0.085
Manganese	7439-96-5	UG/L	50					**6600**	**681**	**705**	
Nickel	7440-02-0	UG/L	100			<1.6	<1.6	<1.6	<1.6	<1.6	<1.5
Selenium	7782-49-2	UG/L	20			<4.8	<4.8	<4.8	<4.8	<4.8	<8.4
Silver	7440-22-4	UG/L	20			<1.8	<1.8	<1.8	<1.8	<1.8	<2.1
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	**0.27 J**	**0.66 J**	**0.54 J**	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<1.9	<1.9	<1.9	<1.9	<2.0
Zinc	7440-66-6	UG/L	1000			<2.0	<2.0	**3.9 B**	**2.4 B**	<2.0	<2.0
Inorganic Nitrogen Compounds											
Nitrate	14797-55-8	UG/L	10000						<250	<250	
Ammonia	7664-41-7	UG/L		1500					**33200**	**35000**	

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
3 - COPC Notes
LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		Location ID	R87-S8	R87-S9	R87-S9
					Field Sample ID	GW2H14-R87-S8	GW1H14-R87-S9	GW2H14-R87-S9
					Date Sampled	11/12/2014	04/10/2014	11/12/2014
			NC 2L	NC IMAC	Sample Purpose	FS	FS	FS
Volatile Organic Compounds								
1,1,1-Trichloroethane	71-55-6	UG/L	200			<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.2			<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L		0.6		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	6			<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	6			<0.1	<0.1	<0.1
Benzene	71-43-2	UG/L	1			<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	0.3			<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	50			<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	1000					
Ethyl Chloride	75-00-3	UG/L	3000			<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	600			<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	70			<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	600			<0.1	**0.1 J**	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3			<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			**0.16**	<0.010	<0.010
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1
Semivolatile Organic Compounds								
1,2-Diphenylhydrazine	122-66-7	UG/L	No Value	No Value		<0.5	<0.5	<0.5
1,4-Dioxane	123-91-1	UG/L	3			**2 J**	<1	<1
1-Methylnaphthalene	90-12-0	UG/L		1		<0.1	<0.1	<0.1
2-Methylnaphthalene	91-57-6	UG/L	30			<0.011	<0.010	<0.011
Acenaphthene	83-32-9	UG/L	80			<0.011	<0.010	<0.011
Anthracene	120-12-7	UG/L	2000			<0.011	<0.010	<0.011
Benzo(A)Anthracene	56-55-3	UG/L	0.05			<0.011	<0.010	<0.011
Benzo(B)Fluoranthene	205-99-2	UG/L	0.05			<0.011	<0.010	<0.011
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			<0.011	<0.010	<0.011
Benzo[A]Pyrene	50-32-8	UG/L	0.005			<0.011	<0.010	<0.011
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			<0.011	<0.010	<0.011
Dibenzofuran	132-64-9	UG/L		28		<0.5	<0.5	<0.5
Fluoranthene	206-44-0	UG/L	300			<0.011	<0.010	<0.011
Fluorene	86-73-7	UG/L	300			<0.011	<0.010	<0.011

Table 12B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level NC 2L	Screening Level NC IMAC	Location ID	R87-S8	R87-S9	R87-S9
					Field Sample ID	GW2H14-R87-S8	GW1H14-R87-S9	GW2H14-R87-S9
					Date Sampled	11/12/2014	04/10/2014	11/12/2014
					Sample Purpose	FS	FS	FS
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			<0.011	<0.010	<0.011
Naphthalene	91-20-3	UG/L	6			<0.032	<0.031	<0.033
Phenanthrene	85-01-8	UG/L	200			<0.032	<0.031	<0.033
Phenol	108-95-2	UG/L	30			<0.5	<0.5	<0.5
Pyrene	129-00-0	UG/L	200			<0.011	<0.010	<0.011
Dowtherm								
Biphenyl	92-52-4	UG/L	400			<0.5	<0.5	<0.5
Diphenyl Ether	101-84-8	UG/L		100		**5**	<0.5	<0.5
Inorganics								
Antimony	7440-36-0	UG/L		1		<0.33	<0.34	<0.33
Arsenic	7440-38-2	UG/L	10			<0.82	<0.78	<0.82
Barium	7440-39-3	UG/L	700			**59.7**	**36.7**	**45.2**
Beryllium	7440-41-7	UG/L		4		<0.67	<0.67	<0.67
Cadmium	7440-43-9	UG/L	2			<0.17	<0.23	<0.17
Chromium	7440-47-3	UG/L	10			<1.3	<1.6	<1.3
Cobalt	7440-48-4	UG/L		1		<1.0	<1.3	<1.0
Copper	7440-50-8	UG/L	1000			<2.8	<2.7	<2.8
Iron	7439-89-6	UG/L	300					
Lead	7439-92-1	UG/L	15			<0.082	**0.17 J**	**0.62 J**
Manganese	7439-96-5	UG/L	50					
Nickel	7440-02-0	UG/L	100			<1.6	<1.5	<1.6
Selenium	7782-49-2	UG/L	20			<4.8	<8.4	<4.8
Silver	7440-22-4	UG/L	20			<1.8	<2.1	<1.8
Thallium	7440-28-0	UG/L		0.2		<0.15	<0.15	<0.15
Vanadium	7440-62-2	UG/L		0.3		<1.9	<2.0	<1.9
Zinc	7440-66-6	UG/L	1000			<2.0	<2.0	<2.0
Inorganic Nitrogen Compounds								
Nitrate	14797-55-8	UG/L	10000					
Ammonia	7664-41-7	UG/L		1500				

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)
3 - COPC Notes
LFD - Low frequency of detection (<5%) and not a site-related constituents or breakdown product of a site-related constituent

Indicates exceedance of a screening level.

Table 12C
Constituents of Potential Concern in Piezometers
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Screening Level		Location ID	PZ-14	PZ-17
				NC 2L	NC IMAC	Field Sample ID	SSP14-GW-PZ-14	SSP14-GW-PZ-17
						Date Sampled	11/19/2014	11/19/2014
						Sample Purpose	FS	FS
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	630-20-6	N	UG/L		1		<0.1	<0.1
1,1,1-Trichloroethane	71-55-6	N	UG/L	200			<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	N	UG/L	0.2			<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	N	UG/L		0.6		<0.1	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L	6			<0.1	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L	7			<0.1	<0.1
1,2,3-Trichloropropane	96-18-4	N	UG/L	0.005			<0.3	<0.3
1,2-Dibromo-3-Chloropropane	96-12-8	N	UG/L	0.04			<0.2	<0.2
1,2-Dibromoethane (EDB)	106-93-4	N	UG/L	0.02			<0.1	<0.1
1,2-Dichloroethane	107-06-2	N	UG/L	0.4			<0.1	<0.1
1,2-Dichloropropane	78-87-5	N	UG/L	0.6			<0.1	<0.1
2-Hexanone	591-78-6	N	UG/L		40		<1.0	<1.0
Acetone	67-64-1	N	UG/L	6000			<3.0	<3.0
Acetonitrile	75-05-8	N	UG/L				<7.0	<7.0
Acrolein	107-02-8	N	UG/L		4		<40	<40
Acrylonitrile	107-13-1	N	UG/L				<4	<4
Allyl Chloride	107-05-1	N	UG/L				<0.1	<0.1
Benzene	71-43-2	N	UG/L	1			<0.1	<0.1
Bromochloromethane	74-97-5	N	UG/L				<0.1	<0.1
Bromodichloromethane	75-27-4	N	UG/L	0.6			<0.1	<0.1
Bromoform	75-25-2	N	UG/L	4			<0.1	<0.1
Carbon Disulfide	75-15-0	N	UG/L	700			<0.4	<0.4
Carbon Tetrachloride	56-23-5	N	UG/L	0.3			<0.1	<0.1
Chlorobenzene	108-90-7	N	UG/L	50			<0.1	<0.1
Chlorodibromomethane	124-48-1	N	UG/L	0.4			<0.1	<0.1
Chloroform	67-66-3	N	UG/L	70			<0.1	<0.1
Chloroprene	126-99-8	N	UG/L				<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	N	UG/L	70			<0.1	<0.1
cis-1,3-Dichloropropene	10061-01-5	N	UG/L				<0.1	<0.1

Table 12C
Constituents of Potential Concern in Piezometers
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Screening Level		Location ID	PZ-14	PZ-17
				NC 2L	NC IMAC	Field Sample ID	SSP14-GW-PZ-14	SSP14-GW-PZ-17
						Date Sampled	11/19/2014	11/19/2014
						Sample Purpose	FS	FS
Dichlorodifluoromethane	75-71-8	N	UG/L	1000			<0.1	<0.1
Ethyl Chloride	75-00-3	N	UG/L	3000			<0.1	<0.1
Ethyl Methacrylate	97-63-2	N	UG/L				<0.1	<0.1
Ethylbenzene	100-41-4	N	UG/L	600			<0.1	<0.1
Iodomethane	74-88-4	N	UG/L				<0.1	<0.1
Isobutyl Alcohol	78-83-1	N	UG/L				<10	<10
Methacrylonitrile	126-98-7	N	UG/L				<1.0	<1.0
Methyl Bromide	74-83-9	N	UG/L		10		<0.1	<0.1
Methyl Chloride	74-87-3	N	UG/L	3			<0.2	<0.2
Methyl Ethyl Ketone	78-93-3	N	UG/L	4000			<1.0	<1.0
Methyl Isobutyl Ketone	108-10-1	N	UG/L		100		<1.0	<1.0
Methyl Methacrylate	80-62-6	N	UG/L		25		<0.1	<0.1
Methylene Bromide	74-95-3	N	UG/L		70		<0.1	<0.1
Methylene Chloride	75-09-2	N	UG/L	5			<0.2	<0.2
Pentachloroethane	76-01-7	N	UG/L				<0.2	<0.2
Propionitrile	107-12-0	N	UG/L				<2.0	<2.0
Styrene	100-42-5	N	UG/L	70			<0.1	<0.1
Tetrachloroethene	127-18-4	N	UG/L	0.7			<0.1	<0.1
Toluene	108-88-3	N	UG/L	600			<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	N	UG/L	100			<0.1	<0.1
trans-1,3-Dichloropropene	10061-02-6	N	UG/L				<0.1	<0.1
trans-1,4-Dichlorobutene-2	110-57-6	N	UG/L				<1.0	<1.0
Trichloroethene	79-01-6	N	UG/L	3			<0.1	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L	2000			<0.1	<0.1
Vinyl Acetate	108-05-4	N	UG/L		88		<0.2	<0.2
Vinyl Chloride	75-01-4	N	UG/L	0.03			<0.010	<0.010
Xylenes	1330-20-7	N	UG/L	500			<0.1	<0.1
Inorganics								
Antimony	7440-36-0	N	ug/L		1		<0.330	<0.330
Arsenic	7440-38-2	N	ug/L	10			<0.820	**1.10 J**

Table 12C
Constituents of Potential Concern in Piezometers
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Filtered	Units	Screening Level		Location ID	PZ-14	PZ-17
				NC 2L	NC IMAC	Field Sample ID	SSP14-GW-PZ-14	SSP14-GW-PZ-17
						Date Sampled	11/19/2014	11/19/2014
						Sample Purpose	FS	FS
Barium	7440-39-3	N	ug/L	700			**8.80 J**	**80.4**
Beryllium	7440-41-7	N	ug/L		4		<0.670	**1.80 J**
Cadmium	7440-43-9	N	ug/L	2			<0.170	<0.170
Chromium	7440-47-3	N	ug/L	10			<1.30	**12.70 J**
Cobalt	7440-48-4	N	ug/L		1		<1.00	**1.60 J**
Copper	7440-50-8	N	ug/L	1000			<2.80	<2.80
Iron	7439-89-6	N	ug/L	300			**63.90 J**	**6030**
Lead	7439-92-1	N	ug/L	15			<0.0820	**3.9**
Manganese	7439-96-5	N	ug/L	50			**4.80 J**	**506**
Mercury	7439-97-6	N	ug/L	1			<0.0600	<0.0600
Nickel	7440-02-0	N	ug/L	100			<1.60	<1.60
Selenium	7782-49-2	N	ug/L	20			<4.80	<4.80
Silver	7440-22-4	N	ug/L	20			<1.80	<1.80
Thallium	7440-28-0	N	ug/L		0.2		<0.150	**0.210 J**
Tin	7440-31-5	N	ug/L		2000		<2.40	<2.40
Vanadium	7440-62-2	N	ug/L		0.3		<1.90	**8.20 J**
Zinc	7440-66-6	N	ug/L	1000			<2.00	**13.60 J**

Notes:
Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Indicates exceedance of a screening level.

Table 13A
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Screening Level		No. of Detects Above Screening Level
							NC 2L	NC IMAC	
Volatile Organic Compounds									
1,1-Dichloroethene	75-35-4	UG/L	7	1	5.1	5.1	7		0
1,2-Dichloroethane	107-06-2	UG/L	7	1	0.3	0.3	0.4		0
1,2-Dichloropropane	78-87-5	UG/L	7	1	0.2	0.2	0.6		0
Benzene	71-43-2	UG/L	7	1	0.2	0.2	1		0
Chloroform	67-66-3	UG/L	7	3	0.2	4.9	70		0
cis-1,2 Dichloroethene	156-59-2	UG/L	7	5	0.1	2.6	70		0
Dichlorodifluoromethane	75-71-8	UG/L	7	1	0.3	0.3	1000		0
Methylene Chloride	75-09-2	UG/L	7	1	0.4	0.4	5		0
Tetrachloroethene	127-18-4	UG/L	7	5	0.1	3.2	0.7		2
trans-1,2-Dichloroethene	156-60-5	UG/L	7	1	0.2	0.2	100		0
Trichloroethene	79-01-6	UG/L	7	5	1	29	3		2
Trichlorofluoromethane	75-69-4	UG/L	7	1	13	13	2000		0
Vinyl Chloride	75-01-4	UG/L	7	1	0.27	0.27	0.03		1
Xylenes	1330-20-7	UG/L	7	0	0	0	500		0
Semivolatile Organic Compounds									
1,4-Dioxane	123-91-1	UG/L	7	1	7	7	3		1
2-Methylnaphthalene	91-57-6	UG/L	7	1	0.02	0.02	30		0
Benzo(G,H,I)Perylene	191-24-2	UG/L	7	1	0.021	0.021	200		0
Dibenz(A,H)Anthracene	53-70-3	UG/L	7	1	0.014	0.014	0.005		1
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	7	1	0.014	0.014	0.05		0
Naphthalene	91-20-3	UG/L	7	1	0.34	0.34	6		0
Pyrene	129-00-0	UG/L	7	1	0.011	0.011	200		0
Dowtherm									
Biphenyl	92-52-4	UG/L	7	1	67	67	400		0
Diphenyl Ether	101-84-8	UG/L	7	1	200	200		100	1

Table 13A
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Screening Level		No. of Detects Above Screening Level
							NC 2L	NC IMAC	
Inorganics									
Barium	7440-39-3	UG/L	7	7	0.43	29.3	700		0
Chromium	7440-47-3	UG/L	7	5	1.4	14.5	10		2
Copper	7440-50-8	UG/L	7	1	4	4	1000		0
Iron	7439-89-6	UG/L	7	7	8880	42700	300		7
Lead	7439-92-1	UG/L	7	4	0.083	2.4	15		0
Manganese	7439-96-5	UG/L	7	7	56.7	2150	50		7
Selenium	7782-49-2	UG/L	7	1	6.8	6.8	20		0
Vanadium	7440-62-2	UG/L	7	3	2.3	5.7		0.3	3
Zinc	7440-66-6	UG/L	7	5	2.1	23.2	1000		0

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in bedrock monitoring wells during the 2014 Site Investigation. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Indicates exceedance of a screening level.

Table 13B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

			Screening Level		Location ID	BR-1	BR-11	BR-11	BR-2	BR-3	BR-5	BR-9
					Field Sample ID	SSP14-GW-BR-1	SSP14-GW-BR-11	SSP14-GW-BR-11-D	SSP14-GW-BR-2	SSP14-GW-BR-3	SSP14-GW-BR-5	SSP14-GW-BR-9
					Date Sampled	11/20/2014	12/19/2014	12/19/2014	11/20/2014	12/19/2014	12/18/2014	12/19/2014
Analyte	CAS No.	Units	NC 2L	NC IMAC	Sample Purpose	FS	FS	DUP	FS	FS	FS	FS
Volatile Organic Compounds												
1,1-Dichloroethene	75-35-4	UG/L	7			<0.1	<0.1	<0.1	<0.1	**5.1**	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	0.4			<0.1	<0.1	<0.1	<0.1	**0.3 J**	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	0.6			<0.1	<0.1	<0.1	<0.1	**0.2 J**	<0.1	<0.1
Benzene	71-43-2	UG/L	1			<0.1	<0.1	<0.1	<0.1	**0.2 J**	<0.1	<0.1
Chloroform	67-66-3	UG/L	70			<0.1	<0.1	<0.1	<0.1	**0.2 J**	**1**	**4.9**
cis-1,2 Dichloroethene	156-59-2	UG/L	70			<0.1	**0.1 J**	**0.1 J**	<0.1	**2.6**	**0.4 J**	**0.8**
Dichlorodifluoromethane	75-71-8	UG/L	1000			<0.1	<0.1	<0.1	<0.1	**0.3 J**	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	5			<0.2	<0.2	<0.2	<0.2	**0.4 J**	<0.2	<0.2
Tetrachloroethene	127-18-4	UG/L	0.7			<0.1	**0.2 J**	**0.2 J**	<0.1	**0.1 J**	**0.7**	**3.2**
trans-1,2-Dichloroethene	156-60-5	UG/L	100			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.2 J**
Trichloroethene	79-01-6	UG/L	3			<0.1	**1.2**	**1.1**	<0.1	**1**	**13**	**29**
Trichlorofluoromethane	75-69-4	UG/L	2000			<0.1	<0.1	<0.1	<0.1	**13**	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03			<0.010	<0.010	<0.010	<0.010	**0.27**	<0.010	<0.010
Xylenes	1330-20-7	UG/L	500			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Semivolatile Organic Compounds												
1,4-Dioxane	123-91-1	UG/L	3			<1	<1	<1	<1	**7**	<1	<1
2-Methylnaphthalene	91-57-6	UG/L	30			<0.011	<0.011	<0.010	<0.011	**0.020 J**	<0.010	<0.011
Benzo(G,H,I)Perylene	191-24-2	UG/L	200			**0.021 J**	<0.011	<0.010	<0.011	<0.011	<0.010	<0.011
Dibenz(A,H)Anthracene	53-70-3	UG/L	0.005			**0.014 J**	<0.011	<0.010	<0.011	<0.011	<0.010	<0.011
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	0.05			**0.014 J**	<0.011	<0.010	<0.011	<0.011	<0.010	<0.011
Naphthalene	91-20-3	UG/L	6			<0.032	<0.033	<0.031	<0.032	**0.34**	<0.031	<0.032
Pyrene	129-00-0	UG/L	200			<0.011	<0.011	<0.010	**0.011 J**	<0.011	<0.010	<0.011
Dowtherm												
Biphenyl	92-52-4	UG/L	400			<0.5	<0.5	<0.5	<0.5	**67**	<0.5	<0.5
Diphenyl Ether	101-84-8	UG/L		100		<0.5	<0.5	<0.5	<0.5	**200**	<0.5	<0.5
Inorganics												
Barium	7440-39-3	UG/L	700			**0.43 J**	**7.1 J**	**6.9 J**	**2.2 J**	**21.7**	**3.3 B**	**29.3**
Chromium	7440-47-3	UG/L	10			**4.0 J**	**14.5 J**	**13.8 J**	**1.4 J**	<1.3	<1.3	**2.4 J**
Copper	7440-50-8	UG/L	1000			<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	**4.0 J**
Iron	7439-89-6	UG/L	300			**17900**	**36600**	**33600**	**27000**	**42700**	**19800**	**8880**
Lead	7439-92-1	UG/L	15			<0.082	**0.083 J**	<0.082	<0.082	**0.42 J**	**0.13 J**	**2.4**
Manganese	7439-96-5	UG/L	50			**102**	**1180**	**1210**	**690**	**2150**	**83.7**	**56.7**
Selenium	7782-49-2	UG/L	20			<4.8	**6.8 J**	<4.8	<4.8	<4.8	<4.8	<4.8
Vanadium	7440-62-2	UG/L		0.3		<1.9	**2.3 J**	**2.4 J**	<1.9	<1.9	<1.9	**5.7 J**
Zinc	7440-66-6	UG/L	1000			**3.3 J**	<2.0	<2.0	**2.2 J**	**2.1 J**	**2.6 J**	**23.2 J**

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in bedrock monitoring wells during the 2014 Site Investigation. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Indicates exceedance of a screening level.

Table 14A
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Screening Level		No. of Detects Above Screening Level
							NC 2L	NC IMAC	
Volatile Organic Compounds									
1,1-Dichloroethene	75-35-4	UG/L	6	1	0.1	0.1	7		0
Acetone	67-64-1	UG/L	6	1	3.4	3.4	6000		0
Chloroform	67-66-3	UG/L	6	1	0.8	0.8	70		0
cis-1,2 Dichloroethene	156-59-2	UG/L	6	1	16	16	70		0
Tetrachloroethene	127-18-4	UG/L	6	1	0.4	0.4	0.7		0
trans-1,2-Dichloroethene	156-60-5	UG/L	6	1	0.2	0.2	100		0
Trichloroethene	79-01-6	UG/L	6	1	13	13	3		1
Vinyl Chloride	75-01-4	UG/L	6	1	0.015	0.015	0.03		0
Inorganics									
Barium	7440-39-3	UG/L	6	5	0.36	4.9	700		0
Chromium	7440-47-3	UG/L	6	2	1.5	3	10		0
Copper	7440-50-8	UG/L	6	2	3.4	290	1000		0
Iron	7439-89-6	UG/L	6	3	6770	86500	300		3
Lead	7439-92-1	UG/L	6	5	0.19	1.3	15		0
Manganese	7439-96-5	UG/L	6	4	1	438	50		2
Selenium	7782-49-2	UG/L	6	1	17.1	17.1	20		0
Tin	7440-31-5	UG/L	6	1	6.7	6.7		2000	0
Vanadium	7440-62-2	UG/L	6	1	2.1	2.1		0.3	1
Zinc	7440-66-6	UG/L	6	5	2.3	841	1000		0

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in water supply wells during 2014 Site Investigation sampling. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Indicates exceedance of a screening level.

Table 14B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	Screening Level		WSW-CMPGND	WSW-DSF3	WSW-GUARD	WSW-VISIT	WSW-WWT	WSW-YMCA
					SSP14-GW-WSW-CMPGND	SSP14-GW-WSW-DSF3	SSP14-GW-WSW-GUARD	SSP14-GW-WSW-VISIT	SSP14-GW-WSW-WWT	SSP14-GW-WSW-YMCA
					12/19/2014	12/16/2014	12/19/2014	12/16/2014	12/18/2014	12/19/2014
			NC 2L	NC IMAC	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1-Dichloroethene	75-35-4	UG/L	7		<0.1	**0.1 J**	<0.1	<0.1	<0.1	<0.1
Acetone	67-64-1	UG/L	6000		<3.0	<3.0	<3.0	<3.0	**3.4 J**	<3.0
Chloroform	67-66-3	UG/L	70		<0.1	**0.8**	<0.1	<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	70		<0.1	**16**	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	0.7		<0.1	**0.4 J**	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	100		<0.1	**0.2 J**	<0.1	<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	3		<0.1	**13**	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	0.03		<0.010	**0.015 J**	<0.010	<0.010	<0.010	<0.010
Inorganics										
Barium	7440-39-3	UG/L	700		**4.9 B**	<0.33	**0.54 B**	**0.36 B**	**2.9 B**	**1.1 B**
Chromium	7440-47-3	UG/L	10		**1.5 J**	<1.3	<1.3	<1.3	**3.0 J**	<1.3
Copper	7440-50-8	UG/L	1000		**3.4 J**	<2.8	<2.8	**290**	<2.8	<2.8
Iron	7439-89-6	UG/L	300		**24400**	<33.4	**6770**	<33.4	**86500**	<33.4
Lead	7439-92-1	UG/L	15		**1.1 J**	**1.3 J**	**0.34 J**	**0.59 J**	**0.19 J**	<0.082
Manganese	7439-96-5	UG/L	50		**21.3**	<0.83	**75.7**	<0.83	**438**	**1.0 J**
Selenium	7782-49-2	UG/L	20		<4.8	<4.8	<4.8	<4.8	**17.1 J**	<4.8
Tin	7440-31-5	UG/L		2000	<2.4	<2.4	<2.4	<2.4	**6.7 J**	<2.4
Vanadium	7440-62-2	UG/L		0.3	**2.1 J**	<1.9	<1.9	<1.9	<1.9	<1.9
Zinc	7440-66-6	UG/L	1000		**16.5 J**	**841**	<2.0	**14.0 J**	**15.4 J**	**2.3 J**

Notes:
UG/L - Microgram(s) per liter
1 - Constituents detected in water supply wells during 2014 Site Investigation sampling. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Indicates exceedance of a screening level.

Table 15
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-104B	MW-105	MW-106A
											Field Sample ID	SSP14-GW-MW-104B	SSP14-GW-MW-105	GW1H14-MW-106A
											Date Sampled	11/18/2014	11/18/2014	04/09/2014
											Sample Purpose	FS	FS	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1	**0.2 J**
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0				<0.1
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1	**0.2 J**
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		**0.6**	<0.1	**0.3 J**
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1	
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1	**0.8**
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		**0.2 J**	<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1	**0.1 J**
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		**0.3 J**	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		**1.6**	<0.010	**0.32**
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1	<0.1
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0				<0.032

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-106A	MW-106B	MW-107A
											Field Sample ID	GW2H14-MW-106A	SSP14-GW-MW-106B	GW1H14-MW-107A
											Date Sampled	11/10/2014	12/15/2014	04/10/2014
											Sample Purpose	FS	FS	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		**0.2 J**	**0.3 J**	**0.2 J**
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	**0.1 J**	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	**0.2 J**	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		**0.1 J**		<0.1
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		**0.3 J**	<0.1	**0.5**
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		**0.3 J**	**0.3 J**	**0.2 J**
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0			<0.1	
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		**0.7**	<0.1	**0.2 J**
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1	**0.3 J**
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	**0.2 J**	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		**0.37**	**0.042 J**	**1.2**
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1	**0.3 J**
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.032		**2.9**

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-107A	MW-107B	MW-107B
											Field Sample ID	GW2H14-MW-107A	GW1H14-MW-107B	GW2H14-MW-107B
											Date Sampled	11/11/2014	04/10/2014	11/11/2014
											Sample Purpose	FS	FS	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		**0.2 J**	**0.2 J**	**0.2 J**
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	**0.2 J**	**0.2 J**
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.1	<0.1	<0.1
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		**0.5**	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		**0.2 J**	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0				
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		**0.2 J**	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		**0.2 J**	**0.1 J**	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	**0.1 J**	**0.2 J**
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		**1.0**	<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		**0.5**	<0.1	<0.1
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		**2.1**	<0.031	<0.032

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-108	MW-111B
											Field Sample ID	SSP14-GW-MW-108	SSP14-GW-MW-111B
											Date Sampled	12/16/2014	12/19/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	**0.2 J**
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	**0.9**
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		**0.9**	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		**1**	**2.3**
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		**1**	**4.3**
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		**0.8**	**22**
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		**6.0**	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		**0.15**	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-112A	MW-112B
											Field Sample ID	SSP14-GW-MW-112A	SSP14-GW-MW-112B
											Date Sampled	02/10/2015	12/18/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-114A	MW-114B
											Field Sample ID	SSP14-GW-MW-114A	SSP14-GW-MW-114B
											Date Sampled	12/16/2014	12/16/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
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Indicates exceedance of a screening level.

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Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-202B	MW-207A
											Field Sample ID	SSP14-GW-MW-202B	SSP14-GW-MW-207A
											Date Sampled	12/18/2014	12/17/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		**0.6**	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		**0.9**	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		**1.8**	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		**1.7**	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		**1.7**	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		**0.5**	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		**20**	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			<0.030

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-207B	MW-207B
											Field Sample ID	SSP14-GW-MW-207B	SSP14-GW-MW-207B-D
											Date Sampled	12/16/2014	12/16/2014
											Sample Purpose	FS	DUP
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.6	<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.033	<0.030

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-209A	MW-209B
											Field Sample ID	SSP14-GW-MW-209A	SSP14-GW-MW-209B
											Date Sampled	12/15/2014	12/15/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.5	<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		**0.054 J**	**0.056 J**

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-210A	MW-210B
											Field Sample ID	SSP14-GW-MW-210A	SSP14-GW-MW-210B
											Date Sampled	11/19/2014	11/19/2014
											Sample Purpose	fs	fs
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	**0.3 J**
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		**0.2 J**	**0.9**
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.5	<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	**0.2 J**
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	**0.6**
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	**0.2 J**
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	**0.9**
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	**1.6**
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		**0.020 J**	**1.6**
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.032	<0.030

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-211A	MW-211B
											Field Sample ID	SSP14-GW-MW-211A	SSP14-GW-MW-211B
											Date Sampled	11/18/2014	11/18/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		**0.8**	**1.4**
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		**0.2 J**	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		**4.7**	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		**0.2 J**	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	**0.3 J**
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		**0.8**	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		**0.1 J**	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		**1.6**	**9.0**
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		**0.33**	**0.041 J**
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		**6.8**	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-211C	MW-212A
											Field Sample ID	SSP14-GW-MW-211C	SSP14-GW-MW-212A
											Date Sampled	11/19/2014	11/21/2014
											Sample Purpose	fs	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		**0.1 J**	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		**4.3**	**7.9**
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	**0.3 J**
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		**0.1 J**	**0.2 J**
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			<0.6
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	**0.3 J**
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		**0.3 J**	**0.6**
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	**0.2 J**
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		**0.2 J**	**0.1 J**
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		**0.2 J**	**0.3 J**
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		**26**	**37**
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	**0.080**
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			**0.084**

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-212B	MW-212B
											Field Sample ID	SSP14-GW-MW-212B	SSP14-GW-MW-212B-D
											Date Sampled	11/21/2014	11/21/2014
											Sample Purpose	FS	DUP
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		**0.1 J**	**0.1 J**
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		**23**	**20**
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		**0.8**	**0.8**
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		**0.6**	**0.6**
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.5	
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		**0.3 J**	**0.3 J**
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		**1.2**	**1.2**
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		**0.8**	**0.9**
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		**0.6**	**0.6**
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		**0.3 J**	**0.3 J**
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		**1.1**	**1.1**
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		**96**	**95**
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		**0.19**	**0.19**
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		**0.46**	

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-213	MW-213	MW-213
											Field Sample ID	GW1H14-MW-213	GW1H14-MW-213-D	GW2H14-MW-213
											Date Sampled	04/09/2014	04/09/2014	11/12/2014
											Sample Purpose	FS	DUP	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		**0.1 J**	**0.1 J**	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.1	<0.1	<0.1
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		**0.2 J**	**0.2 J**	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0				
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		**0.1 J**	**0.1 J**	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		**0.1 J**	**0.1 J**	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		**0.29**	**0.29**	**0.16**
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1	<0.1
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		**0.057**	<0.033	<0.035

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-214	MW-215	MW-216A
											Field Sample ID	SSP14-GW-MW-214	SSP14-GW-MW-215	GW1H14-MW-216A
											Date Sampled	12/15/2014	11/14/2014	04/08/2014
											Sample Purpose	FS	fs	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		**0.2 J**	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1	**0.7**
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.5	<0.6	<0.1
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		**0.3 J**	**0.2 J**	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		**0.3 J**	<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		**0.4 J**	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1	
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		**0.5**	**0.4 J**	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1	**0.4 J**
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1	**0.2 J**
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1	**4.3**
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		**0.52**	**0.33**	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1	<0.1
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		**0.10**	<0.035	**0.045 J**

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-216A	MW-216B	MW-216B
											Field Sample ID	GW2H14-MW-216A	GW1H14-MW-216B	GW2H14-MW-216B
											Date Sampled	11/10/2014	04/08/2014	11/10/2014
											Sample Purpose	FS	FS	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		**0.3 J**	**0.3 J**	**0.3 J**
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.1	<0.1	<0.1
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0				
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		**0.4 J**	<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	**0.2 J**	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		**3.7**	**0.3 J**	**0.6**
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	**0.020 J**	**0.012 J**
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1	<0.1
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.033	**0.90**	**1.5**

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-219A	MW-219B
											Field Sample ID	SSP14-GW-MW-219A	SSP14-GW-MW-219B
											Date Sampled	11/13/2014	12/13/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	**1.4**
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	**0.1 J**
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	**0.5**
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	**0.4 J**
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	**0.031 J**
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-221B	MW-222A
											Field Sample ID	SSP14-GW-MW-221B	SSP14-GW-MW-222A
											Date Sampled	12/18/2014	12/18/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	**0.2 J**
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	**0.9**
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	**0.3 J**
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	**1.3**
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	**1.3**
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		**0.2 J**	**110**
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	**0.1 J**
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	**0.1 J**
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	**2.4**
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	**1.5**
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		**0.11**	**120**
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	**0.6**
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
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Indicates exceedance of a screening level.

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Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-222B	MW-225A
											Field Sample ID	SSP14-GW-MW-222B	SSP14-GW-MW-225A
											Date Sampled	12/18/2014	12/16/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	**0.2 J**
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		**0.5**	**3.0**
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	**0.4 J**
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		**0.1 J**	**0.8**
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		**0.12**	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
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Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-225B	MW-300
											Field Sample ID	SSP14-GW-MW-225B	SSP14-GW-MW-300
											Date Sampled	12/16/2014	12/17/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		**0.3 J**	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0			<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		**5.0**	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		**0.3 J**	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		**0.7**	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		**1.9**	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	**3.7**
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		**0.015 J**	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0			<0.030

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-301A	MW-301B
											Field Sample ID	SSP14-GW-MW-301A	SSP14-GW-MW-301B
											Date Sampled	11/20/2014	11/20/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.5	<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.031	<0.032

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-302A	MW-302B
											Field Sample ID	SSP14-GW-MW-302A	SSP14-GW-MW-302B
											Date Sampled	11/20/2014	11/20/2014
											Sample Purpose	FS	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.5	<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.031	<0.032

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-303	MW-304A
											Field Sample ID	SSP14-GW-MW-303	SSP14-GW-MW-304A
											Date Sampled	11/14/2014	12/16/2014
											Sample Purpose	fs	FS
Volatile Organic Compounds													
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	**0.2 J**
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	**0.1 J**
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.6	<0.5
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	**0.2 J**
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	**5.8**
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	**87**
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	**0.1 J**
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	**22**
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1
Semivolatile Organic Compounds													
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.034	<0.030

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
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Indicates exceedance of a screening level.

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Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	MW-304B	MW-305	R87-S10
											Field Sample ID	SSP14-GW-MW-304B	SSP14-GW-MW-305	GW1H14-R87-S10
											Date Sampled	12/16/2014	12/17/2014	04/09/2014
											Sample Purpose	FS	FS	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.5	<0.5	<0.1
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1	<0.1
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1	<0.1
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0		<0.1	<0.1	
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1	<0.1
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010	<0.010
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1	<0.1
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.030	<0.030	<0.030

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 15
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	NC GWSL - Residential	Detects Above Screening Level	NC GWSL - Non-Residential	No. of Detects Above Screening Level	Location ID	R87-S10	R87-S10	R87-S4
											Field Sample ID	GW2H14-R87-S10	GW2H14-R87-S10-D	SSP14-GW-R87-S4
											Date Sampled	11/11/2014	11/11/2014	11/13/2014
											Sample Purpose	FS	DUP	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	UG/L	64	5	0.1	0.6	1.48E+03	0	6.23E+03	0		<0.1	<0.1	<0.1
1,1,2,2-Tetrachloroethane	79-34-5	UG/L	64	6	0.2	1.4	3.23E+01	0	1.41E+02	0		<0.1	<0.1	<0.1
1,1,2-Trichloroethane	79-00-5	UG/L	64	4	0.1	0.9	1.24E+00	0	5.20E+00	0		<0.1	<0.1	<0.1
1,1-Dichloroethane	75-34-3	UG/L	64	14	0.1	0.3	7.64E+01	0	3.34E+02	0		<0.1	<0.1	<0.1
1,1-Dichloroethene	75-35-4	UG/L	64	19	0.1	23	3.91E+01	0	1.64E+02	0		<0.1	<0.1	<0.1
1,2-Dichloroethane	107-06-2	UG/L	64	5	0.2	1.3	2.24E+01	0	9.78E+01	0		<0.1	<0.1	<0.1
1,2-Dichloropropane	78-87-5	UG/L	64	4	0.1	0.6	7.24E+00	0	3.04E+01	0		<0.1	<0.1	<0.1
1,4-Dichlorobenzene	106-46-7	UG/L	40	1	0.1	0.1	2.59E+01	0	1.13E+02	0		<0.1	<0.1	
Benzene	71-43-2	UG/L	64	12	0.1	0.5	1.59E+01	0	6.93E+01	0		<0.1	<0.1	**0.1 J**
Carbon Tetrachloride	56-23-5	UG/L	64	1	0.6	0.6	4.15E+00	0	1.81E+01	0		<0.1	<0.1	<0.1
Chlorobenzene	108-90-7	UG/L	64	1	0.3	0.3	8.20E+01	0	3.45E+02	0		<0.1	<0.1	<0.1
Chloroform	67-66-3	UG/L	64	5	0.2	1.8	8.14E+00	0	3.55E+01	0		<0.1	<0.1	<0.1
cis-1,2 Dichloroethene	156-59-2	UG/L	64	23	0.2	110	No Value	-	No Value	-		<0.1	<0.1	**2.5**
Dichlorodifluoromethane	75-71-8	UG/L	44	4	0.3	0.9	1.49E+00	0	6.25E+00	0				<0.1
Ethyl Chloride	75-00-3	UG/L	64	9	0.1	0.8	4.60E+03	0	1.93E+04	0		<0.1	<0.1	<0.1
Ethylbenzene	100-41-4	UG/L	64	1	4.7	4.7	3.49E+01	0	1.52E+02	0		<0.1	<0.1	<0.1
Methylene Chloride	75-09-2	UG/L	64	3	0.2	0.6	942	0	3.96E+03	0		<0.2	<0.2	<0.2
Styrene	100-42-5	UG/L	64	1	0.2	0.2	1.86E+03	0	7.79E+03	0		<0.1	<0.1	<0.1
Tetrachloroethene	127-18-4	UG/L	64	14	0.1	87	1.15E+01	1	4.84E+01	1		<0.1	<0.1	<0.1
Toluene	108-88-3	UG/L	64	11	0.1	0.8	3.84E+03	0	1.61E+04	0		<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	156-60-5	UG/L	64	5	0.1	2.4	No Value	-	No Value	-		<0.1	<0.1	<0.1
Trichloroethene	79-01-6	UG/L	64	17	0.1	22	1.04	8	4.35	4		<0.1	<0.1	**6.1**
Trichlorofluoromethane	75-69-4	UG/L	64	15	0.1	96	3.68E+01	3	1.55E+02	0		<0.1	<0.1	<0.1
Vinyl Chloride	75-01-4	UG/L	64	31	0.012	120	1.47	3	24.5	1		<0.010	<0.010	**0.043 J**
Xylenes	1330-20-7	UG/L	64	4	0.3	6.8	9.85E+01	0	4.14E+02	0		<0.1	<0.1	<0.1
Semivolatile Organic Compounds														
Naphthalene	91-20-3	UG/L	40	12	0.045	2.9	3.48E+01	0	1.46E+02	0		<0.030	<0.034	

Notes:
UG/L - Microgram(s) per liter
1 - Volatile constituents detected in surficial aquifer monitoring wells during RFI and CAMU sampling between 2014 and 2015. Field duplicates included in statistical summary.
2 - Sources of screening criteria:
NC GWSL - NC DWM Vapor Intrusion Screening Levels Groundwater Screening Levels (GWSLs) (June 2014)

Indicates exceedance of a screening level.

Table 16
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	Units	NC DWM SGSL Non-Res Screening Criteria	Location	BACKGROUND	SV-1	SV-2	SV-2	SV-3	SV-4
			Date	9/24/08	9/24/08	9/24/08	9/24/08	9/24/08	9/24/08
			Top (ft)	0	0	0	0	0	0
			Bottom (ft)	0	0	0	0	0	0
			Duplicate	FS	FS	DUP	FS	FS	FS
1,1-DICHLOROETHENE	UG/M3	17500		<0.79	<5.6	<4	<2.1	<4	<4
CIS-1,2 DICHLOROETHENE	UG/M3	No Value		<0.79	<5.6	<4	<2.1	<4	<4
TETRACHLOROETHYLENE	UG/M3	3500		<1.4	<9.5	<6.8	<3.7	<6.8	<6.8
TRANS-1,2-DICHLOROETHENE	UG/M3	No Value		<0.79	<5.6	<4	<2.1	<4	<4
TRICHLOROETHENE	UG/M3	175		<1.1	<7.5	<5.4	<2.9	<5.4	<5.4
VINYL CHLORIDE	UG/M3	2790		<0.51	<3.6	<2.6	<1.4	<2.6	<2.6

UG/M3 - Microgram(s) per cubic meter
NC SGSL - NC DWM Vapor Intrusion Screening Levels Soil Gas Screening Levels (SGSLs) (June 2014)

Table 17
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

								Little River						
							Location ID	**SW-04**	**SW-04**	**SW-04**	**SW-04**	**SW-5**	**SW-5**	**SW-6**
							Field Sample ID	**SSP14-SW-04**	**SSP14-SW-04-D**	**SSP14-SW-04-Z**	**SSP14-SW-04-Z-D**	**GW2H14-SW-5**	**GW2H14-SW-5-Z**	**GW2H14-SW-6**
							Date Sampled	**10/23/2014**	**10/23/2014**	**10/23/2014**	**10/23/2014**	**10/30/2014**	**10/30/2014**	**10/30/2014**
Analyte	**CAS No.**	**Filtered**	**Units**	**15A NCAC 2B - FW Chronic**	**15A NCAC 2B - Organism Only**	**15A NCAC 2B - Trout Waters**	**Sample Purpose**	**FS**	**DUP**	**FS**	**DUP**	**FS**	**FS**	**FS**
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	N	UG/L		4.4	No Value		<0.1	<0.1			<0.1		<0.1
1,1-Dichloroethane	75-34-3	N	UG/L	20000	170000	No Value		<0.1	<0.1			<0.1		<0.1
1,1-Dichloroethene	75-35-4	N	UG/L	5400	7100	No Value		<0.1	<0.1			<0.1		<0.1
Benzene	71-43-2	N	UG/L		51	No Value		<0.1	<0.1			<0.1		<0.1
Carbon Disulfide	75-15-0	N	UG/L		20000	No Value		<0.4	<0.4			<0.4		<0.4
cis-1,2 Dichloroethene	156-59-2	N	UG/L		4900	No Value		<0.1	<0.1			<0.1		<0.1
Methylene Chloride	75-09-2	N	UG/L		590	No Value		<0.2	<0.2			<0.2		<0.2
trans-1,2-Dichloroethene	156-60-5	N	UG/L		10000	No Value		<0.1	<0.1			<0.1		<0.1
Trichloroethene	79-01-6	N	UG/L		30	No Value		<0.1	<0.1			<0.1		<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		67000	No Value		<0.1	<0.1			<0.1		<0.1
Vinyl Chloride	75-01-4	N	UG/L		2.4	No Value		<0.010	<0.010			<0.010		<0.010
Dowtherm						No Value								
Diphenyl Ether	101-84-8	N	UG/L		50	No Value		<0.5	<0.5			<0.5		<0.5
Inorganics						No Value								
Barium	7440-39-3	N	UG/L		200000	No Value		**6.6 J**	**6.6 J**			**8.0 J**		**5.6 J**
Barium	7440-39-3	Y	UG/L		200000	No Value				**6.0 J**	**6.0 J**		**5.5 J**	
Calcium	7440-70-2	N	UG/L			No Value		**1130**	**1130**			**2670 B**		**1080 B**
Cobalt	7440-48-4	N	UG/L		270	No Value		<1.0	<1.0			<1.0		<1.0
Cobalt	7440-48-4	Y	UG/L		270	No Value				<1.0	<1.0		<1.0	
Iron	7439-89-6	N	UG/L	1000		No Value		**371. J**	**378. J**			**653**		**299. J**
Iron	7439-89-6	Y	UG/L	1000		No Value				**207. J**	**131. J**		**268. J**	
Lead	7439-92-1	N	UG/L	25		No Value		<0.082	<0.082			**0.19 J**		<0.082
Lead	7439-92-1	Y	UG/L	25		No Value				**0.094 J**	<0.082		<0.082	
Magnesium	7439-95-4	N	UG/L			No Value		**426**	**422**			**481**		**393**
Manganese	7439-96-5	N	UG/L			No Value		**89**	**89.9**			**53.2**		**26.3**
Manganese	7439-96-5	Y	UG/L			No Value				**84.5**	**86.2**		**33.9**	
Thallium	7440-28-0	N	UG/L		0.47	No Value		<0.15	<0.15			<0.15		<0.15
Thallium	7440-28-0	Y	UG/L		0.47	No Value				<0.15	<0.15		<0.15	
Zinc	7440-66-6	N	UG/L	50		No Value		**3.0 B**	**3.9 B**			**2.9 B**		**4.3 B**
Zinc	7440-66-6	Y	UG/L	50		No Value				**2.6 B**	**2.7 B**		**4.4 B**	
Total Hardness As CaCO3	471-34-1	N	UG/L					**4600**	**4600**			**8600 B**		**4300 B**
Total Suspended Solids	C009	N	UG/L					**1600 J**	**1100 J**			**37600**		<1000

Notes:
UG/L - Microgram(s) per liter
B - Not detected substantially above the level reported in the laboratory or fieldblanks.
J - Analyte present. Reported value may not be accurate or precise.
UJ - Not detected. Reporting limit may not be accurate or precise.

North Carolina Surface Water Standards found in 15A NCAC 02B.0208 for protection of human health (organism only) and aquatic life
Little River is a Class C water and is not used as a water supply.

Indicates exceedance of a screening level.

Table 17
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

								Little River				DERA Creek Tributary		
							Location ID	**SW-6**	**SW-6**	**SW-07**	**SW-07**	**SW-08**	**SW-08**	**SW-09**
							Field Sample ID	**GW2H14-SW-6-D**	**GW2H14-SW-6-Z**	**SSP14-SW-07**	**SSP14-SW-07-Z**	**SSP14-SW-08**	**SSP14-SW-08-Z**	**SSP14-SW-09**
				15A NCAC 2B -	**15A NCAC 2B -**	**15A NCAC 2B -**	**Date Sampled**	**10/30/2014**	**10/30/2014**	**10/30/2014**	**10/30/2014**	**10/28/2014**	**10/28/2014**	**10/28/2014**
Analyte	**CAS No.**	**Filtered**	**Units**	**FW Chronic**	**Organism Only**	**Trout Waters**	**Sample Purpose**	**DUP**	**FS**	**FS**	**FS**	**FS**	**FS**	**FS**
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	N	UG/L		4.4	No Value		<0.1		<0.1		<0.1		<0.1
1,1-Dichloroethane	75-34-3	N	UG/L	20000	170000	No Value		<0.1		<0.1		<0.1		<0.1
1,1-Dichloroethene	75-35-4	N	UG/L	5400	7100	No Value		<0.1		<0.1		<0.1		<0.1
Benzene	71-43-2	N	UG/L		51	No Value		<0.1		<0.1		<0.1		<0.1
Carbon Disulfide	75-15-0	N	UG/L		20000	No Value		<0.4		<0.4		<0.4		<0.4
cis-1,2 Dichloroethene	156-59-2	N	UG/L		4900	No Value		<0.1		<0.1		**0.2 J**		**0.8**
Methylene Chloride	75-09-2	N	UG/L		590	No Value		<0.2		<0.2		<0.2		<0.2
trans-1,2-Dichloroethene	156-60-5	N	UG/L		10000	No Value		<0.1		<0.1		<0.1		<0.1
Trichloroethene	79-01-6	N	UG/L		30	No Value		<0.1		<0.1		<0.1		**0.4 J**
Trichlorofluoromethane	75-69-4	N	UG/L		67000	No Value		<0.1		<0.1		<0.1		<0.1
Vinyl Chloride	75-01-4	N	UG/L		2.4	No Value		<0.010		<0.010		**0.12**		**0.10**
Dowtherm						No Value								
Diphenyl Ether	101-84-8	N	UG/L		50	No Value		<0.5		<0.5		<0.5		<0.5
Inorganics						No Value								
Barium	7440-39-3	N	UG/L		200000	No Value		**6.0 J**		**5.0 J**		**2.5 J**		**4.2 J**
Barium	7440-39-3	Y	UG/L		200000	No Value			**5.3 J**		**4.4 J**		**2.5 J**	
Calcium	7440-70-2	N	UG/L			No Value		**2060 B**		**1030**		**1230**		**1920**
Cobalt	7440-48-4	N	UG/L		270	No Value		<1.0		<1.0		<1.0		<1.0
Cobalt	7440-48-4	Y	UG/L		270	No Value			<1.0		<1.0		<1.0	
Iron	7439-89-6	N	UG/L	1000		No Value		**310. J**		**259. J**		**1520**		**927**
Iron	7439-89-6	Y	UG/L	1000		No Value			**206. J**		**156. J**		**1460**	
Lead	7439-92-1	N	UG/L	25		No Value		<0.082		<0.082		<0.082		<0.082
Lead	7439-92-1	Y	UG/L	25		No Value			<0.082		<0.082		<0.082	
Magnesium	7439-95-4	N	UG/L			No Value		**404**		**360**		**282**		**435**
Manganese	7439-96-5	N	UG/L			No Value		**26.9**		**16.2**		**371**		**416**
Manganese	7439-96-5	Y	UG/L			No Value			**17.8**		**10.3**		**374**	
Thallium	7440-28-0	N	UG/L		0.47	No Value		<0.15		<0.15		<0.15		<0.15
Thallium	7440-28-0	Y	UG/L		0.47	No Value			<0.15		<0.15		<0.15	
Zinc	7440-66-6	N	UG/L	50		No Value		**3.0 B**		**3.8 B**		**4.1 J**		**7.2 J**
Zinc	7440-66-6	Y	UG/L	50		No Value			**4.0 B**		**6.9 B**		**4.5 J**	
Total Hardness As CaCO3	471-34-1	N	UG/L					**6800 B**		**4000**		**4200**		**6600**
Total Suspended Solids	C009	N	UG/L							**1000 J**		**2400 J**		**3600**

Notes:
UG/L - Microgram(s) per liter
B - Not detected substantially above the level reported in the laboratory or fieldblanks.
J - Analyte present. Reported value may not be accurate or precise.
UJ - Not detected. Reporting limit may not be accurate or precise.

North Carolina Surface Water Standards found in 15A NCAC 02B.0208 for protection of human health (organism only) and aquatic life
Little River is a Class C water and is not used as a water supply.

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Table 17
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

								DERA Creek Tributary			Seep			Lake DERA
							Location ID	SW-09	SW-10	SW-10	SW-26	SW-26	SW-26	SW-14
							Field Sample ID	SSP14-SW-09-Z	PPS14-SW-10	PPS14-SW-10-Z	PPS14-SW-26	PPS14-SW-26-Z	SSP14-SW-26	SSP14-SW-14
				15A NCAC 2B -	15A NCAC 2B -	15A NCAC 2B -	Date Sampled	10/28/2014	10/21/2014	10/21/2014	10/22/2014	10/22/2014	10/22/2014	10/29/2014
Analyte	CAS No.	Filtered	Units	FW Chronic	Organism Only	Trout Waters	Sample Purpose	FS	fs	fs	fs	fs	FS	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	N	UG/L		4.4	No Value			<0.1				**0.3 J**	<0.1
1,1-Dichloroethane	75-34-3	N	UG/L	20000	170000	No Value			<0.1				**2.4**	<0.1
1,1-Dichloroethene	75-35-4	N	UG/L	5400	7100	No Value			**0.1 J**				**1.7**	<0.1
Benzene	71-43-2	N	UG/L		51	No Value			<0.1				**0.1 J**	<0.1
Carbon Disulfide	75-15-0	N	UG/L		20000	No Value			<0.4				<0.4	<0.4
cis-1,2 Dichloroethene	156-59-2	N	UG/L		4900	No Value			**0.4 J**				**2.5**	<0.1
Methylene Chloride	75-09-2	N	UG/L		590	No Value			<0.2				**1.2**	<0.2
trans-1,2-Dichloroethene	156-60-5	N	UG/L		10000	No Value			<0.1				**0.1 J**	<0.1
Trichloroethene	79-01-6	N	UG/L		30	No Value			**0.2 J**				**0.3 J**	<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		67000	No Value			<0.1				**0.2 J**	<0.1
Vinyl Chloride	75-01-4	N	UG/L		2.4	No Value			**0.055**				**5.0**	<0.010
Dowtherm						No Value								
Diphenyl Ether	101-84-8	N	UG/L		50	No Value			**5**		<0.5			<0.5
Inorganics						No Value								
Barium	7440-39-3	N	UG/L		200000	No Value			**7.3 J**		**65.6 J**			**2.7 J**
Barium	7440-39-3	Y	UG/L		200000	No Value		**4.6 J**		**7.1 J**		**79.2 J**		
Calcium	7440-70-2	N	UG/L			No Value			**2160**		**18600**			**572**
Cobalt	7440-48-4	N	UG/L		270	No Value			<1.0		**1.0 J**			<1.0
Cobalt	7440-48-4	Y	UG/L		270	No Value		<1.0		<1.0		<1.0		
Iron	7439-89-6	N	UG/L	1000		No Value			**947**		**14700 J**			**240. J**
Iron	7439-89-6	Y	UG/L	1000		No Value		**617**		**662**		**19200 J**		
Lead	7439-92-1	N	UG/L	25		No Value			<0.082		<0.082			<0.082
Lead	7439-92-1	Y	UG/L	25		No Value		<0.082		<0.082		<0.082		
Magnesium	7439-95-4	N	UG/L			No Value			**431**		**2580**			**171. J**
Manganese	7439-96-5	N	UG/L			No Value			**510**		**6880**			**3.3 J**
Manganese	7439-96-5	Y	UG/L			No Value		**402**		**498**		**6420**		
Thallium	7440-28-0	N	UG/L		0.47	No Value			<0.15		**0.22 J**			<0.15
Thallium	7440-28-0	Y	UG/L		0.47	No Value		<0.15		<0.15		<0.15		
Zinc	7440-66-6	N	UG/L	50		No Value			**7.3 B**		**5.1 B**			**3.7 B**
Zinc	7440-66-6	Y	UG/L	50		No Value		**8.7 J**		**11.7 B**		**6.7 B**		
Total Hardness As CaCO3	471-34-1	N	UG/L						**7200**		**57200**			**2100**
Total Suspended Solids	C009	N	UG/L						**2000 J**		**15200**			**8000**

Notes:
UG/L - Microgram(s) per liter
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Table 17
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

								Lake DERA						
							Location ID	**SW-14**	**SW-27**	**SW-27**	**SW-28**	**SW-28**	**SW-29**	**SW-29**
							Field Sample ID	**SSP14-SW-14-Z**	**SSP14-SW-27**	**SSP14-SW-27-Z**	**SSP14-SW-28**	**SSP14-SW-28-Z**	**SSP14-SW-29**	**SSP14-SW-29-Z**
				15A NCAC 2B -	**15A NCAC 2B -**	**15A NCAC 2B -**	**Date Sampled**	**10/29/2014**	**10/30/2014**	**10/30/2014**	**10/22/2014**	**10/22/2014**	**10/22/2014**	**10/22/2014**
Analyte	**CAS No.**	**Filtered**	**Units**	**FW Chronic**	**Organism Only**	**Trout Waters**	**Sample Purpose**	**FS**	**FS**	**FS**	**FS**	**FS**	**FS**	**FS**
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	N	UG/L		4.4	No Value			<0.1		<0.1		<0.1	
1,1-Dichloroethane	75-34-3	N	UG/L	20000	170000	No Value			<0.1		<0.1		<0.1	
1,1-Dichloroethene	75-35-4	N	UG/L	5400	7100	No Value			<0.1		<0.1		<0.1	
Benzene	71-43-2	N	UG/L		51	No Value			<0.1		<0.1		<0.1	
Carbon Disulfide	75-15-0	N	UG/L		20000	No Value			<0.4		<0.4		<0.4	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		4900	No Value			<0.1		<0.1		<0.1	
Methylene Chloride	75-09-2	N	UG/L		590	No Value			<0.2		<0.2		<0.2	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		10000	No Value			<0.1		<0.1		<0.1	
Trichloroethene	79-01-6	N	UG/L		30	No Value			<0.1		<0.1		<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L		67000	No Value			<0.1		<0.1		<0.1	
Vinyl Chloride	75-01-4	N	UG/L		2.4	No Value			<0.010		<0.010		<0.010	
Dowtherm						No Value								
Diphenyl Ether	101-84-8	N	UG/L		50	No Value			<0.5		<0.5		<0.6	
Inorganics						No Value								
Barium	7440-39-3	N	UG/L		200000	No Value			**5.2 J**		**3.5 B**		**3.5 B**	
Barium	7440-39-3	Y	UG/L		200000	No Value		**1.9 J**		**4.8 J**		**2.3 J**		**2.0 J**
Calcium	7440-70-2	N	UG/L			No Value			**1100**		**579**		**560**	
Cobalt	7440-48-4	N	UG/L		270	No Value			<1.0		<1.0		<1.0	
Cobalt	7440-48-4	Y	UG/L		270	No Value		<1.0		<1.0		<1.0		<1.0
Iron	7439-89-6	N	UG/L	1000		No Value			**308. J**		**601**		**448**	
Iron	7439-89-6	Y	UG/L	1000		No Value		**148. J**		**205. J**		**158. J**		**152. J**
Lead	7439-92-1	N	UG/L	25		No Value			<0.082		**0.33 J**		**0.35 J**	
Lead	7439-92-1	Y	UG/L	25		No Value		<0.082		<0.082		<0.082		<0.082
Magnesium	7439-95-4	N	UG/L			No Value			**372**		**205**		**206**	
Manganese	7439-96-5	N	UG/L			No Value			**29.3**		**12.6 B**		**10.6 B**	
Manganese	7439-96-5	Y	UG/L			No Value		**1.5 J**		**22.4**		**1.9 J**		**1.3 J**
Thallium	7440-28-0	N	UG/L		0.47	No Value			<0.15		<0.15		<0.15	
Thallium	7440-28-0	Y	UG/L		0.47	No Value		<0.15		<0.15		<0.15		<0.15
Zinc	7440-66-6	N	UG/L	50		No Value			**3.6 B**		**6.5 B**		**5.6 B**	
Zinc	7440-66-6	Y	UG/L	50		No Value		**3.6 B**		**8.7 B**		**5.9 B**		<2.0
Total Hardness As CaCO3	471-34-1	N	UG/L						**4300**		**2300**		**2200**	
Total Suspended Solids	C009	N	UG/L						**1300 J**		**5600 J**		**12800**	

Notes:
UG/L - Microgram(s) per liter
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Table 17
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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

								Lake DERA						
							Location ID	SW-30	SW-30	SW-31	SW-31	SW-32	SW-32	SW-33
							Field Sample ID	SSP14-SW-30	SSP14-SW-30-Z	SSP14-SW-31	SSP14-SW-31-Z	SSP14-SW-32	SSP14-SW-32-Z	SSP14-SW-33
				15A NCAC 2B -	15A NCAC 2B -	15A NCAC 2B -	Date Sampled	10/22/2014	10/22/2014	10/29/2014	10/29/2014	10/29/2014	10/29/2014	10/22/2014
Analyte	CAS No.	Filtered	Units	FW Chronic	Organism Only	Trout Waters	Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds														
1,1,1-Trichloroethane	71-55-6	N	UG/L		4.4	No Value		<0.1		<0.1		<0.1		<0.1
1,1-Dichloroethane	75-34-3	N	UG/L	20000	170000	No Value		<0.1		<0.1		<0.1		<0.1
1,1-Dichloroethene	75-35-4	N	UG/L	5400	7100	No Value		<0.1		<0.1		<0.1		<0.1
Benzene	71-43-2	N	UG/L		51	No Value		<0.1		<0.1		<0.1		<0.1
Carbon Disulfide	75-15-0	N	UG/L		20000	No Value		<0.4		<0.4		<0.4		<0.4
cis-1,2 Dichloroethene	156-59-2	N	UG/L		4900	No Value		<0.1		<0.1		<0.1		<0.1
Methylene Chloride	75-09-2	N	UG/L		590	No Value		<0.2		<0.2		<0.2		<0.2
trans-1,2-Dichloroethene	156-60-5	N	UG/L		10000	No Value		<0.1		<0.1		<0.1		<0.1
Trichloroethene	79-01-6	N	UG/L		30	No Value		<0.1		<0.1		<0.1		<0.1
Trichlorofluoromethane	75-69-4	N	UG/L		67000	No Value		<0.1		<0.1		<0.1		<0.1
Vinyl Chloride	75-01-4	N	UG/L		2.4	No Value		<0.010		<0.010		<0.010		<0.010
Dowtherm						No Value								
Diphenyl Ether	101-84-8	N	UG/L		50	No Value		<0.5		<0.5		<0.5		<0.5
Inorganics						No Value								
Barium	7440-39-3	N	UG/L		200000	No Value		**2.5 B**		**3.1 J**		**2.7 J**		**2.2 B**
Barium	7440-39-3	Y	UG/L		200000	No Value			**1.8 J**		**2.1 J**		**2.1 J**	
Calcium	7440-70-2	N	UG/L			No Value		**519**		**613**		**668**		**547**
Cobalt	7440-48-4	N	UG/L		270	No Value		<1.0		<1.0		<1.0		<1.0
Cobalt	7440-48-4	Y	UG/L		270	No Value			<1.0		<1.0		<1.0	
Iron	7439-89-6	N	UG/L	1000		No Value		**311. J**		**198. J**		**240. J**		**227. J**
Iron	7439-89-6	Y	UG/L	1000		No Value			**156. J**		**142. J**		**158. J**	
Lead	7439-92-1	N	UG/L	25		No Value		**0.17 J**		<0.082		<0.082		<0.082
Lead	7439-92-1	Y	UG/L	25		No Value			<0.082		<0.082		<0.082	
Magnesium	7439-95-4	N	UG/L			No Value		**171. J**		**175. J**		**177. J**		**176. J**
Manganese	7439-96-5	N	UG/L			No Value		**5.7 B**		**4.1 J**		**6.2 J**		**3.1 B**
Manganese	7439-96-5	Y	UG/L			No Value			**1.3 J**		**1.7 J**		**4.0 J**	
Thallium	7440-28-0	N	UG/L		0.47	No Value		<0.15		<0.15		<0.15		<0.15
Thallium	7440-28-0	Y	UG/L		0.47	No Value			<0.15		<0.15		<0.15	
Zinc	7440-66-6	N	UG/L	50		No Value		**6.5 B**		**4.2 B**		**3.5 B**		**5.3 B**
Zinc	7440-66-6	Y	UG/L	50		No Value			**3.5 B**		**3.3 B**		**4.3 B**	
Total Hardness As CaCO3	471-34-1	N	UG/L					**2000**		**2300**		**2400**		**2100**
Total Suspended Solids	C009	N	UG/L					**9670**		**3200**		**4300**		<2000

Notes:
UG/L - Microgram(s) per liter
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Former DuPont Brevard Facility
Cedar Mountain, NC

								Lake DERA				
							Location ID	**SW-33**	**SW-34**	**SW-34**	**SW-35**	**SW-35**
							Field Sample ID	**SSP14-SW-33-Z**	**SSP14-SW-34**	**SSP14-SW-34-Z**	**SSP14-SW-35**	**SSP14-SW-35-Z**
				15A NCAC 2B -	**15A NCAC 2B -**	**15A NCAC 2B -**	**Date Sampled**	**10/22/2014**	**10/22/2014**	**10/22/2014**	**10/22/2014**	**10/22/2014**
Analyte	**CAS No.**	**Filtered**	**Units**	**FW Chronic**	**Organism Only**	**Trout Waters**	**Sample Purpose**	**FS**	**FS**	**FS**	**FS**	**FS**
Volatile Organic Compounds												
1,1,1-Trichloroethane	71-55-6	N	UG/L		4.4	No Value			<0.1		<0.1	
1,1-Dichloroethane	75-34-3	N	UG/L	20000	170000	No Value			<0.1		<0.1	
1,1-Dichloroethene	75-35-4	N	UG/L	5400	7100	No Value			<0.1		<0.1	
Benzene	71-43-2	N	UG/L		51	No Value			<0.1		<0.1	
Carbon Disulfide	75-15-0	N	UG/L		20000	No Value			<0.4		**0.6 J**	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		4900	No Value			<0.1		<0.1	
Methylene Chloride	75-09-2	N	UG/L		590	No Value			<0.2		<0.2	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		10000	No Value			<0.1		<0.1	
Trichloroethene	79-01-6	N	UG/L		30	No Value			<0.1		<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L		67000	No Value			<0.1		<0.1	
Vinyl Chloride	75-01-4	N	UG/L		2.4	No Value			<0.010		<0.010	
Dowtherm						No Value						
Diphenyl Ether	101-84-8	N	UG/L		50	No Value			<0.5		<0.5	
Inorganics						No Value						
Barium	7440-39-3	N	UG/L		200000	No Value			**2.2 B**		**2.3 B**	
Barium	7440-39-3	Y	UG/L		200000	No Value		**1.8 J**		**2.0 J**		**1.9 J**
Calcium	7440-70-2	N	UG/L			No Value			**535**		**582**	
Cobalt	7440-48-4	N	UG/L		270	No Value			<1.0		<1.0	
Cobalt	7440-48-4	Y	UG/L		270	No Value		<1.0		<1.0		<1.0
Iron	7439-89-6	N	UG/L	1000		No Value			**224. J**		**233. J**	
Iron	7439-89-6	Y	UG/L	1000		No Value		**156. J**		**143. J**		**152. J**
Lead	7439-92-1	N	UG/L	25		No Value			<0.082		<0.082	
Lead	7439-92-1	Y	UG/L	25		No Value		<0.082		<0.082		<0.082
Magnesium	7439-95-4	N	UG/L			No Value			**176. J**		**179. J**	
Manganese	7439-96-5	N	UG/L			No Value			**2.7 B**		**3.9 B**	
Manganese	7439-96-5	Y	UG/L			No Value		**0.84 J**		**0.94 J**		**0.83 J**
Thallium	7440-28-0	N	UG/L		0.47	No Value			<0.15		<0.15	
Thallium	7440-28-0	Y	UG/L		0.47	No Value		<0.15		<0.15		<0.15
Zinc	7440-66-6	N	UG/L	50		No Value			**2.9 B**		**37.9 J**	
Zinc	7440-66-6	Y	UG/L	50		No Value		**3.1 B**		**3.2 B**		**2.8 B**
Total Hardness As CaCO3	471-34-1	N	UG/L						**2100**		**2200**	
Total Suspended Solids	C009	N	UG/L						<1000		**2000 J**	

Notes:
UG/L - Microgram(s) per liter
B - Not detected substantially above the level reported in the laboratory or fieldblanks.
J - Analyte present. Reported value may not be accurate or precise.
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Table 17
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Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

								SWMU 14 Ditch	
							Location ID	SW-BALLFIELD	SW-BALLFIELD
							Field Sample ID	SSP14-SW-BALLFIELD	SSP14-SW-BALLFIELD-Z
				15A NCAC 2B -	15A NCAC 2B -	15A NCAC 2B -	Date Sampled	10/23/2014	10/23/2014
Analyte	CAS No.	Filtered	Units	FW Chronic	Organism Only	Trout Waters	Sample Purpose	FS	FS
Volatile Organic Compounds									
1,1,1-Trichloroethane	71-55-6	N	UG/L		4.4	No Value		<0.1	
1,1-Dichloroethane	75-34-3	N	UG/L	20000	170000	No Value		<0.1	
1,1-Dichloroethene	75-35-4	N	UG/L	5400	7100	No Value		<0.1	
Benzene	71-43-2	N	UG/L		51	No Value		**0.5**	
Carbon Disulfide	75-15-0	N	UG/L		20000	No Value		<0.4	
cis-1,2 Dichloroethene	156-59-2	N	UG/L		4900	No Value		<0.1	
Methylene Chloride	75-09-2	N	UG/L		590	No Value		<0.2	
trans-1,2-Dichloroethene	156-60-5	N	UG/L		10000	No Value		<0.1	
Trichloroethene	79-01-6	N	UG/L		30	No Value		<0.1	
Trichlorofluoromethane	75-69-4	N	UG/L		67000	No Value		<0.1	
Vinyl Chloride	75-01-4	N	UG/L		2.4	No Value		**0.019 J**	
Dowtherm						No Value			
Diphenyl Ether	101-84-8	N	UG/L		50	No Value		**4**	
Inorganics						No Value			
Barium	7440-39-3	N	UG/L		200000	No Value		**10.4**	
Barium	7440-39-3	Y	UG/L		200000	No Value			**8.0 J**
Calcium	7440-70-2	N	UG/L			No Value		**2570**	
Cobalt	7440-48-4	N	UG/L		270	No Value		<1.0	
Cobalt	7440-48-4	Y	UG/L		270	No Value			<1.0
Iron	7439-89-6	N	UG/L	1000		No Value		**4030**	
Iron	7439-89-6	Y	UG/L	1000		No Value			**2600**
Lead	7439-92-1	N	UG/L	25		No Value		**0.42 J**	
Lead	7439-92-1	Y	UG/L	25		No Value			<0.082
Magnesium	7439-95-4	N	UG/L			No Value		**583**	
Manganese	7439-96-5	N	UG/L			No Value		**476**	
Manganese	7439-96-5	Y	UG/L			No Value			**375**
Thallium	7440-28-0	N	UG/L		0.47	No Value		<0.15	
Thallium	7440-28-0	Y	UG/L		0.47	No Value			<0.15
Zinc	7440-66-6	N	UG/L	50		No Value		**5.5 B**	
Zinc	7440-66-6	Y	UG/L	50		No Value			**6.7 B**
Total Hardness As CaCO3	471-34-1	N	UG/L					**8800**	
Total Suspended Solids	C009	N	UG/L					**21000**	

Notes:
UG/L - Microgram(s) per liter
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Cedar Mountain, NC

Analyte	ESV	Units	Basis	Reference[a]
1,1,1,2-Tetrachloroethane	—	—	—	—
1,1,1-Trichloroethane	2500	µg/L	Total	NC2B Standards
1,1,2,2-Tetrachloroethane	380	µg/L	Total	EPA R5 ESL
1,1,2-Trichloroethane	1200	µg/L	Total	EPA R3 BTAG
1,1-Dichloroethane	47	µg/L	Total	EPA R3 BTAG
1,1-Dichloroethene	1500	µg/L	Total	NC2B Standards
1,2,3-Trichloropropane	—	—	—	—
1,2-Dibromo-3-Chloropropane	—	—	—	—
1,2-Dibromoethane (EDB)	—	—	—	—
1,2-Dichloroethane	910	µg/L	Total	EPA R5 ESL
1,2-Dichloropropane	360	µg/L	Total	EPA R5 ESL
1,4-Dioxane	22000	µg/L	Total	EPA R5 ESL
2-Hexanone	99	µg/L	Total	EPA R5 ESL
Acetone	2000	µg/L	Total	NC2B Standards
Acetonitrile	12000	µg/L	Total	EPA R5 ESL
Acrolein	3	µg/L	Total	NC2B Standards
Acrylonitrile	66	µg/L	Total	EPA R5 ESL
Allyl Chloride	—	—	—	—
Antimony	0.03	mg/L	Dissolved	NAWQC Chronic
Arsenic	0.05	mg/L	Total	NC2B Standards
Barium	16	mg/L	Total	TCEQ
Benzene	114	µg/L	Total	EPA R5 ESL
Beryllium	0.0065	mg/L	Dissolved	NC2B Standards
Biphenyl	18	µg/L	Total	NC2B Standards
Bromodichloromethane	4320	µg/L	Total	EPA R6 FW
Bromoform	230	µg/L	Total	EPA R5 ESL
Cadmium	0.002	mg/L	Total	NC2B Standards
Calcium	116	mg/L	Total	EPA R3 BTAG
Carbon Disulfide	0.92	µg/L	Total	Tier II SCV
Carbon Tetrachloride	240	µg/L	Total	EPA R5 ESL
Chlorobenzene	140	µg/L	Total	NC2B Standards
Chlorodibromomethane	—	—	—	—
Chloroform	140	µg/L	Total	EPA R5 ESL
Chloroprene	—	—	—	—
Chromium	0.05	mg/L	Total	NC2B Standards
cis-1,2 Dichloroethene	590	µg/L	Total	Tier II SCV
cis-1,3-Dichloropropene	0.055	µg/L	Total	Tier II SCV
Cobalt	0.003	mg/L	Dissolved	OSWER Tier II SCV
Copper	0.007	mg/L	Total	NC2B Standards
Dichlorodifluoromethane	1960	µg/L	Total	EPA R6 FW
Diethylene Glycol	—	—	—	—
Diphenyl Ether	1104	µg/L	Total	DuPont ETC
Ethyl Chloride	—	—	—	—
Ethyl Methacrylate	—	—	—	—
Ethylbenzene	97	µg/L	Total	NC2B Standards
Ethylene Glycol	192000	µg/L	Total	Canadian WQG
Iodomethane	—	—	—	—
Iron	1	mg/L	Total	NC2B Standards
Isobutyl Alcohol	—	—	—	—
Lead	0.025	mg/L	Total	NC2B Standards
Magnesium	82	mg/L	Total	EPA R3 BTAG
Manganese	0.12	mg/L	Total	EPA R3 BTAG
Mercury	0.000012	mg/L	Total	NC2B Standards

Table 18
Constituents of Potential Concern in Water Supply Wells
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Analyte	ESV	Units	Basis	Reference[a]
Methacrylonitrile	—	—	—	—
Methyl Bromide	16	µg/L	Total	EPA R5 ESL
Methyl Chloride	5500	µg/L	Total	EPA R4 ESV
Methyl Ethyl Ketone	14000	µg/L	Total	EPA R3 BTAG
Methyl Isobutyl Ketone	52700	µg/L	Total	EPA R6 FW
Methyl Methacrylate	9600	µg/L	Total	NC2B Standards
Methylene Bromide	—	—	—	—
Methylene Chloride	940	µg/L	Total	EPA R5 ESL
Nickel	0.088	mg/L	Total	NC2B Standards
Nitrate	13	mg/L	Total	Canadian WQG
Nitrite	0.06	mg/L	Total	Canadian WQG
Pentachloroethane	56.4	µg/L	Total	EPA R5 ESL
Propionitrile	—	—	—	—
Propylene Glycol	500	mg/L	Total	Canadian WQG
Selenium	0.005	mg/L	Total	NC2B Standards
Silver	0.00006	mg/L	Dissolved	NC2B Standards
Styrene	72	µg/L	Total	EPA R3 BTAG
Tetrachloroethene	45	µg/L	Total	EPA R5 ESL
Thallium	0.0008	mg/L	Total	Canadian WQG
Tin	0.073	mg/L	Total	EPA R6 FW
Toluene	11	µg/L	Total	NC2B Standards
Total Hardness As CaCO3	—	—	—	—
Total Suspended Solids	—	—	—	—
trans-1,2-Dichloroethene	970	µg/L	Total	EPA R5 ESL
trans-1,3-Dichloropropene	0.055	µg/L	Total	Tier II SCV
trans-1,4-Dichlorobutene-2	—	—	—	—
Trichloroethene	47	µg/L	Total	EPA R5 ESL
Trichlorofluoromethane	1740	µg/L	Total	EPA R6 FW
Triethylene Glycol	—	—	—	—
Vanadium	0.012	mg/L	Total	EPA R5 ESL
Vinyl Acetate	248	µg/L	Total	EPA R5 ESL
Vinyl Chloride	930	µg/L	Total	EPA R5 ESL
Xylenes	670	µg/L	Total	NC2B Standards
Zinc	0.05	mg/L	Total	NC2B Standards

Notes:
µg/L, microgram per liter; mg/L, miligram per liter
[a] - References used are as follows;
- NC2B Standards (NCDENR 2007)
- EPA R3 BTAG, USEPA Region 3 Biological Technical Assisstance Group (EPA 2006)
- EPA R5 ESL, USEPA Region 5 Ecological Screening Levels (EPA 2003)
- EPA R6 FW, USEPA Region 6 Fresh water (TNRCC 2001)
- Tier II SCV, Secondary Chronic Value (Suter and Tsao 1996)
- Canadian WQG, Canadian Water Quality Guidelines (CCME 2013)
- EPA R4 ESV, USEPA Region 4 Ecological Screening Value (EPA 2001)
- OSWER Tier II SCV (EPA 1996)
- NRWQC Chronic, National Recommended Water Quality Criteria Continuous Concentrations (EPA 2014)
- TCEQ, Texas Commission for Environmental Quality (TCEQ, 2014)
- DuPont-derived effects threshold concentration (ETC) based on the mean of the no observed effect concentration (NOEC) and the lowest observed effect concentrations (LOEC).

Table 19
Constituents of Potential Concern in Water Supply Wells
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Category	Analyte	Units	N	Detects	Min[a]	Max[b]	Mean[c]	ESV	Units	Reference[d]	Exceedance	Rationale
Glycols	Diethylene Glycol	µg/L	17	0	—	—	4.00E+03	—	—	—	—	Non-Detect
Glycols	Ethylene Glycol	µg/L	17	0	—	—	4.00E+03	1.92E+05	µg/L	Canadian WQG	—	Non-Detect
Glycols	Propylene Glycol	mg/L	17	0	—	—	4.00E+00	5.00E+02	mg/L	Canadian WQG	—	Non-Detect
Glycols	Triethylene Glycol	µg/L	17	0	—	—	4.00E+03	—	—	—	—	Non-Detect
Metals	Antimony	mg/L	17	0	—	—	1.65E-04	3.00E-02	mg/L	NAWQC Chronic	—	Non-Detect
Metals	Arsenic	mg/L	17	0	—	—	4.10E-04	5.00E-02	mg/L	NC2B Standards	—	Non-Detect
Metals	Barium	mg/L	17	17	2.20E-03	6.56E-02	7.74E-03	1.60E+01	mg/L	TCEQ	0	Max < ESV
Metals	Beryllium	mg/L	17	0	—	—	3.35E-04	6.50E-03	mg/L	NC2B Standards	—	Non-Detect
Metals	Cadmium	mg/L	17	0	—	—	8.50E-05	2.00E-03	mg/L	NC2B Standards	—	Non-Detect
Metals	Calcium	mg/L	17	17	5.19E-01	1.86E+01	2.05E+00	1.16E+02	mg/L	EPA R3 BTAG	0	Max < ESV
Metals	Chromium	mg/L	17	0	—	—	6.50E-04	5.00E-02	mg/L	NC2B Standards	—	Non-Detect
Metals	Cobalt	mg/L	17	1	1.00E-03	1.00E-03	5.29E-04	3.00E-03	mg/L	OSWER Tier II SCV	0	Max < ESV
Metals	Copper	mg/L	17	0	—	—	1.40E-03	7.00E-03	mg/L	NC2B Standards	—	Non-Detect
Metals	Iron	mg/L	17	17	1.98E-01	1.47E+01	1.52E+00	1.00E+00	mg/L	NC2B Standards	3	Max > ESV
Metals	Lead	mg/L	17	4	1.70E-04	4.20E-04	1.06E-04	2.50E-02	mg/L	NC2B Standards	0	Max < ESV
Metals	Magnesium	mg/L	17	17	1.71E-01	2.58E+00	4.18E-01	8.20E+01	mg/L	EPA R3 BTAG	0	Max < ESV
Metals	Manganese	mg/L	17	17	2.70E-03	6.88E+00	5.20E-01	1.20E-01	mg/L	EPA R3 BTAG	5	Max > ESV
Metals	Mercury	mg/L	17	0	—	—	3.00E-05	1.20E-05	mg/L	NC2B Standards	—	Non-Detect
Metals	Nickel	mg/L	17	0	—	—	8.00E-04	8.80E-02	mg/L	NC2B Standards	—	Non-Detect
Metals	Selenium	mg/L	17	0	—	—	2.40E-03	5.00E-03	mg/L	NC2B Standards	—	Non-Detect
Metals	Silver	mg/L	17	0	—	—	9.00E-04	6.00E-05	mg/L	NC2B Standards	—	Non-Detect
Metals	Thallium	mg/L	17	1	2.20E-04	2.20E-04	8.35E-05	8.00E-04	mg/L	Canadian WQG	0	Max < ESV
Metals	Tin	mg/L	17	0	—	—	1.20E-03	7.30E-02	mg/L	EPA R6 FW	—	Non-Detect
Metals	Vanadium	mg/L	17	0	—	—	9.50E-04	1.20E-02	mg/L	EPA R5 ESL	—	Non-Detect
Metals	Zinc	mg/L	17	17	2.90E-03	3.79E-02	6.81E-03	5.00E-02	mg/L	NC2B Standards	0	Max < ESV
SVOCs	1,4-Dioxane	µg/L	17	0	—	—	5.00E-01	2.20E+04	µg/L	EPA R5 ESL	—	Non-Detect
SVOCs	Biphenyl	µg/L	17	0	—	—	2.53E-01	1.80E+01	µg/L	NC2B Standards	—	Non-Detect
SVOCs	Diphenyl Ether	µg/L	17	2	4.00E+00	5.00E+00	7.53E-01	1.10E+03	µg/L	DuPont ETC	0.00E+00	Max < ESV
VOCs	1,1,1,2-Tetrachloroethane	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	1,1,1-Trichloroethane	µg/L	17	1	3.00E-01	3.00E-01	6.47E-02	2.50E+03	µg/L	NC2B Standards	0	Max < ESV
VOCs	1,1,2,2-Tetrachloroethane	µg/L	17	0	—	—	5.00E-02	3.80E+02	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	1,1,2-Trichloroethane	µg/L	17	0	—	—	5.00E-02	1.20E+03	µg/L	EPA R3 BTAG	—	Non-Detect
VOCs	1,1-Dichloroethane	µg/L	17	1	2.40E+00	2.40E+00	1.88E-01	4.70E+01	µg/L	EPA R3 BTAG	0	Max < ESV
VOCs	1,1-Dichloroethene	µg/L	17	2	1.00E-01	1.70E+00	1.50E-01	1.50E+03	µg/L	NC2B Standards	0	Max < ESV
VOCs	1,2,3-Trichloropropane	µg/L	17	0	—	—	1.50E-01	—	—	—	—	Non-Detect
VOCs	1,2-Dibromo-3-Chloropropane	µg/L	17	0	—	—	1.00E-01	—	—	—	—	Non-Detect
VOCs	1,2-Dibromoethane (EDB)	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	1,2-Dichloroethane	µg/L	17	0	—	—	5.00E-02	9.10E+02	µg/L	EPA R5 ESL	—	Non-Detect

Table 19
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Category	Analyte	Units	N	Detects	Min[a]	Max[b]	Mean[c]	ESV	Units	Reference[d]	Exceedance	Rationale
VOCs	1,2-Dichloropropane	µg/L	17	0	—	—	5.00E-02	3.60E+02	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	2-Hexanone	µg/L	17	0	—	—	5.00E-01	9.90E+01	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Acetone	µg/L	17	0	—	—	1.50E+00	2.00E+03	µg/L	NC2B Standards	—	Non-Detect
VOCs	Acetonitrile	µg/L	17	0	—	—	3.50E+00	1.20E+04	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Acrolein	µg/L	17	0	—	—	2.00E+01	3.00E+00	µg/L	NC2B Standards	—	Non-Detect
VOCs	Acrylonitrile	µg/L	17	0	—	—	2.00E+00	6.60E+01	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Allyl Chloride	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	Benzene	µg/L	17	2	1.00E-01	5.00E-01	7.94E-02	1.14E+02	µg/L	EPA R5 ESL	0	Max < ESV
VOCs	Bromodichloromethane	µg/L	17	0	—	—	5.00E-02	4.32E+03	µg/L	EPA R6 FW	—	Non-Detect
VOCs	Bromoform	µg/L	17	0	—	—	5.00E-02	2.30E+02	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Carbon Disulfide	µg/L	17	1	6.00E-01	6.00E-01	2.24E-01	9.20E-01	µg/L	Tier II SCV	0	Max < ESV
VOCs	Carbon Tetrachloride	µg/L	17	0	—	—	5.00E-02	2.40E+02	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Chlorobenzene	µg/L	17	0	—	—	5.00E-02	1.40E+02	µg/L	NC2B Standards	—	Non-Detect
VOCs	Chlorodibromomethane	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	Chloroform	µg/L	17	0	—	—	5.00E-02	1.40E+02	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Chloroprene	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	cis-1,2 Dichloroethene	µg/L	17	4	2.00E-01	2.50E+00	2.68E-01	5.90E+02	µg/L	Tier II SCV	0	Max < ESV
VOCs	cis-1,3-Dichloropropene	µg/L	17	0	—	—	5.00E-02	5.50E-02	µg/L	Tier II SCV	—	Non-Detect
VOCs	Dichlorodifluoromethane	µg/L	17	0	—	—	5.00E-02	1.96E+03	µg/L	EPA R6 FW	—	Non-Detect
VOCs	Ethyl Chloride	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	Ethyl Methacrylate	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	Ethylbenzene	µg/L	17	0	—	—	5.00E-02	9.70E+01	µg/L	NC2B Standards	—	Non-Detect
VOCs	Iodomethane	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	Isobutyl Alcohol	µg/L	17	0	—	—	5.00E+00	—	—	—	—	Non-Detect
VOCs	Methacrylonitrile	µg/L	17	0	—	—	5.00E-01	—	—	—	—	Non-Detect
VOCs	Methyl Bromide	µg/L	17	0	—	—	5.00E-02	1.60E+01	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Methyl Chloride	µg/L	17	0	—	—	1.00E-01	5.50E+03	µg/L	EPA R4 ESV	—	Non-Detect
VOCs	Methyl Ethyl Ketone	µg/L	17	0	—	—	5.00E-01	1.40E+04	µg/L	EPA R3 BTAG	—	Non-Detect
VOCs	Methyl Isobutyl Ketone	µg/L	17	0	—	—	5.00E-01	5.27E+04	µg/L	EPA R6 FW	—	Non-Detect
VOCs	Methyl Methacrylate	µg/L	17	0	—	—	5.00E-02	9.60E+03	µg/L	NC2B Standards	—	Non-Detect
VOCs	Methylene Bromide	µg/L	17	0	—	—	5.00E-02	—	—	—	—	Non-Detect
VOCs	Methylene Chloride	µg/L	17	1	1.20E+00	1.20E+00	1.65E-01	9.40E+02	µg/L	EPA R5 ESL	0	Max < ESV
VOCs	Pentachloroethane	µg/L	17	0	—	—	1.00E-01	5.64E+01	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Propionitrile	µg/L	17	0	—	—	1.00E+00	—	—	—	—	Non-Detect
VOCs	Styrene	µg/L	17	0	—	—	5.00E-02	7.20E+01	µg/L	EPA R3 BTAG	—	Non-Detect
VOCs	Tetrachloroethene	µg/L	17	0	—	—	5.00E-02	4.50E+01	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Toluene	µg/L	17	0	—	—	5.00E-02	1.10E+01	µg/L	NC2B Standards	—	Non-Detect
VOCs	trans-1,2-Dichloroethene	µg/L	17	1	1.00E-01	1.00E-01	5.29E-02	9.70E+02	µg/L	EPA R5 ESL	0	Max < ESV

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Category	Analyte	Units	N	Detects	Min[a]	Max[b]	Mean[c]	ESV	Units	Reference[d]	Exceedance	Rationale
VOCs	trans-1,3-Dichloropropene	µg/L	17	0	—	—	5.00E-02	5.50E-02	µg/L	Tier II SCV	—	Non-Detect
VOCs	trans-1,4-Dichlorobutene-2	µg/L	17	0	—	—	5.00E-01	—	—	—	—	Non-Detect
VOCs	Trichloroethene	µg/L	17	3	2.00E-01	4.00E-01	9.41E-02	4.70E+01	µg/L	EPA R5 ESL	0	Max < ESV
VOCs	Trichlorofluoromethane	µg/L	17	1	2.00E-01	2.00E-01	5.88E-02	1.74E+03	µg/L	EPA R6 FW	0	Max < ESV
VOCs	Vinyl Acetate	µg/L	17	0	—	—	1.00E-01	2.48E+02	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Vinyl Chloride	µg/L	17	5	1.90E-02	5.00E+00	3.15E-01	9.30E+02	µg/L	EPA R5 ESL	0	Max < ESV
VOCs	Xylenes	µg/L	17	0	—	—	5.00E-02	6.70E+02	µg/L	NC2B Standards	—	Non-Detect

Notes:
µg/L, microgram per liter; mg/L, milligram per liter; ESV, Ecological screening value; VOCs, Volatile organic compounds
[a] - Minimum of detected values
[b] - Maximum of detected values
[c] - Arithmetic mean of all data. Half of method detection limit used for non-detects.
[d] - Sources used are as follows;
- NC2B Standards (NCDENR, 2007)
- EPA R3 BTAG, USEPA Region III Biological Technical Assistance Group (EPA, 2006)
- EPA R5 ESL, USEPA Region V Ecological Screening Levels (EPA, 2003)
- EPA R6 FW, Region 6 Fresh water (TNRCC, 2001)
- Tier II SCV, Secondary Chronic Value (Suter and Tsao, 1996)
- Canadian WQG, Canadian Water Quality Guidelines (CCME, 2013)
- EPA R4 ESV, USEPA Region IV Environmental Screening Value (EPA, 2001)
- OSWER Tier II SCV (EPA, 1996)
- NAWQC Chronic, National Ambient Water Quality Criteria Chronic levels (EPA, 2012)
- CCID, Chemical Classification and Information Database (LeBlanc, 1980)
- TCEQ, Texas Commission of Environmental Quality (TCEQ, 2014)
- DuPont-derived effects threshold concentration (ETC) based on the mean of the no observed effect concentration (NOEC) and the lowest observed effect concentrations (LOEC).
Yellow - COPECS identified based on Max > ESV

Table 20
Constituents of Potential Concern in Water Supply Wells
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Cedar Mountain, NC

Category	Analyte	Units	N	Detects	Min[a]	Max[b]	Mean[c]	ESV	Units	Reference[d]	Exceedance	Rationale
VOCs	1,1,1,2-Tetrachloroethane	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	1,1,1-Trichloroethane	µg/L	11	1	0.1	0.1	0.055	2500	µg/L	NC2B Standards	0	Max < ESV
VOCs	1,1,2,2-Tetrachloroethane	µg/L	11	0	—	—	0.050	380	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	1,1,2-Trichloroethane	µg/L	11	0	—	—	0.050	1200	µg/L	EPA R3 BTAG	—	Non-Detect
VOCs	1,1-Dichloroethane	µg/L	11	2	0.1	2.1	0.241	47	µg/L	EPA R3 BTAG	0	Max < ESV
VOCs	1,1-Dichloroethene	µg/L	11	2	0.1	1.5	0.186	1500	µg/L	NC2B Standards	0	Max < ESV
VOCs	1,2,3-Trichloropropane	µg/L	11	0	—	—	0.150	—	—	—	—	Non-Detect
VOCs	1,2-Dibromo-3-Chloropropane	µg/L	11	0	—	—	0.100	—	—	—	—	Non-Detect
VOCs	1,2-Dibromoethane (EDB)	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	1,2-Dichloroethane	µg/L	11	0	—	—	0.050	910	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	1,2-Dichloropropane	µg/L	11	0	—	—	0.050	360	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	2-Hexanone	µg/L	11	0	—	—	0.500	99	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Acetone	µg/L	11	0	—	—	1.500	2000	µg/L	NC2B Standards	—	Non-Detect
VOCs	Acetonitrile	µg/L	11	0	—	—	3.500	12000	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Acrolein	µg/L	11	0	—	—	20.000	3	µg/L	NC2B Standards	—	Non-Detect
VOCs	Acrylonitrile	µg/L	11	0	—	—	2.000	66	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Allyl Chloride	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	Benzene	µg/L	11	1	0.3	0.3	0.073	114	µg/L	EPA R5 ESL	0	Max < ESV
VOCs	Bromodichloromethane	µg/L	11	0	—	—	0.050	4320	µg/L	EPA R6 FW	—	Non-Detect
VOCs	Bromoform	µg/L	11	0	—	—	0.050	230	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Carbon Disulfide	µg/L	11	0	—	—	0.200	0.92	µg/L	Tier II SCV	—	Non-Detect
VOCs	Carbon Tetrachloride	µg/L	11	0	—	—	0.050	240	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Chlorobenzene	µg/L	11	0	—	—	0.050	140	µg/L	NC2B Standards	—	Non-Detect
VOCs	Chlorodibromomethane	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	Chloroform	µg/L	11	0	—	—	0.050	140	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Chloroprene	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	cis-1,2 Dichloroethene	µg/L	11	3	0.1	1.7	0.218	590	µg/L	Tier II SCV	0	Max < ESV
VOCs	cis-1,3-Dichloropropene	µg/L	11	0	—	—	0.050	0.055	µg/L	Tier II SCV	—	Non-Detect
VOCs	Dichlorodifluoromethane	µg/L	11		—	—	0.050	1960	µg/L	EPA R6 FW	—	Non-Detect
VOCs	Ethyl Chloride	µg/L	11	1	0.1	0.1	0.055	—	—	—	—	No ESV
VOCs	Ethyl Methacrylate	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	Ethylbenzene	µg/L	11	0	—	—	0.050	97	µg/L	NC2B Standards	—	Non-Detect
VOCs	Iodomethane	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	Isobutyl Alcohol	µg/L	11	0	—	—	5.000	—	—	—	—	Non-Detect
VOCs	Methacrylonitrile	µg/L	11	0	—	—	0.500	—	—	—	—	Non-Detect
VOCs	Methyl Bromide	µg/L	11	0	—	—	0.050	16	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Methyl Chloride	µg/L	11	0	—	—	0.100	5500	µg/L	EPA R4 Chronic surface water	—	Non-Detect
VOCs	Methyl Ethyl Ketone	µg/L	11	0	—	—	0.500	14000	µg/L	EPA R3 BTAG	—	Non-Detect
VOCs	Methyl Isobutyl Ketone	µg/L	11	0	—	—	0.500	52700	µg/L	EPA R6 FW	—	Non-Detect
VOCs	Methyl Methacrylate	µg/L	11	0	—	—	0.050	9600	µg/L	NC2B Standards	—	Non-Detect
VOCs	Methylene Bromide	µg/L	11	0	—	—	0.050	—	—	—	—	Non-Detect
VOCs	Methylene Chloride	µg/L	11	0	—	—	0.100	940	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Pentachloroethane	µg/L	11	0	—	—	0.100	56.4	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Propionitrile	µg/L	11	0	—	—	1.000	—	—	—	—	Non-Detect
VOCs	Styrene	µg/L	11	0	—	—	0.050	72	µg/L	EPA R3 BTAG	—	Non-Detect
VOCs	Tetrachloroethene	µg/L	11	0	—	—	0.050	45	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Toluene	µg/L	11	2	0.1	0.1	0.059	11	µg/L	NC2B Standards	0	Max < ESV
VOCs	trans-1,2-Dichloroethene	µg/L	11	0	—	—	0.050	970	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	trans-1,3-Dichloropropene	µg/L	11	0	—	—	0.050	0.055	µg/L	Tier II SCV	—	Non-Detect

Table 20
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Category	Analyte	Units	N	Detects	Min[a]	Max[b]	Mean[c]	ESV	Units	Reference[d]	Exceedance	Rationale
VOCs	trans-1,4-Dichlorobutene-2	µg/L	11	0	—	—	0.500	—	—	—	—	Non-Detect
VOCs	Trichloroethene	µg/L	11	3	0.1	0.3	0.091	47	µg/L	EPA R5 ESL	0	Max < ESV
VOCs	Trichlorofluoromethane	µg/L	11	0	—	—	0.050	1740	µg/L	EPA R6 FW	—	Non-Detect
VOCs	Vinyl Acetate	µg/L	11	0	—	—	0.100	248	µg/L	EPA R5 ESL	—	Non-Detect
VOCs	Vinyl Chloride	µg/L	11	3	0.016	3.6	0.408	930	µg/L	EPA R5 ESL	0	Max < ESV
VOCs	Xylenes	µg/L	11	0	—	—	0.050	670	µg/L	NC2B Standards	—	Non-Detect
SVOCs	1,4-Dioxane	µg/L	11	1	5	5	0.909	22000	µg/L	EPA R5 ESL	0	Max < ESV

Notes:
µg/L, microgram per liter; ESV, Ecological screening value; (S)VOCs, (Semi-) Volatile organic compounds
[a] - Minimum of detected values
[b] - Maximum of detected values
[c] - Arithmetic mean of all data. Half of method detection limit used for non-detects.
[d] - Sources used are as follows;
- NC2B Standards (NCDENR 2007)
- EPA R3 BTAG, USEPA Region III Biological Technical Assistance Group (EPA 2006)
- EPA R5 ESL, USEPA Region V Ecological Screening Levels (EPA 2003)
- EPA R6 FW, Region 6 Fresh water (TNRCC 2001)
- Tier II SCV, Secondary Chronic Value (Suter and Tsao 1996)
- Canadian WQG, Canadian Water Quality Guidelines (CCME 2013)
- EPA R4 ESV, USEPA Region IV Environmental Screening Value (EPA 2001)
- OSWER Tier II SCV (EPA 1996)
- NAWQC Chronic, National Ambient Water Quality Criteria Chronic levels (EPA 2012)

Green - COPEC identified based on detects and No ESV, but ultimate not retained as a COPEC based limited detection.

Table 21A
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Location of Max Result	NC PSRG - Residential	No. of Detects Above PSRG - Res	Site-Specific Screening Level	No. of Detects Above SL
Volatile Organic Compounds											
1,1-Dichloroethane	75-34-3	MG/KG	19	1	0.009	0.009	SED-26	3.6	0		
1,1-Dichloroethene	75-35-4	MG/KG	19	1	0.008	0.008	SED-26	46	0		
Acetone	67-64-1	MG/KG	19	19	0.009	0.28	SED-26	12000	0		
Carbon Disulfide	75-15-0	MG/KG	19	5	0.002	0.044	SED-26	150	0		
cis-1,2 Dichloroethene	156-59-2	MG/KG	19	1	0.009	0.009	SED-26	32	0		
Diethylene Glycol	111-46-6	MG/KG	19	1	8.2	8.2	SED-05	360	0		
Iodomethane	74-88-4	MG/KG	19	2	0.006	0.014	SED-10	No Value	-		
Methyl Ethyl Ketone	78-93-3	MG/KG	19	3	0.011	0.027	SED-33	5400	0		
Toluene	108-88-3	MG/KG	19	2	0.001	0.003	SED-14	820	0		
Vinyl Chloride	75-01-4	MG/KG	19	1	0.01	0.01	SED-26	0.059	0		
Semivolatile Organic Compounds											
2-Methylnaphthalene	91-57-6	MG/KG	19	3	0.006	0.034	SED-28	46	0		
Acenaphthene	83-32-9	MG/KG	19	4	0.011	0.31	SED-28	700	0		
Acenaphthylene	208-96-8	MG/KG	19	2	0.011	0.18	SED-09	700	0		
Anthracene	120-12-7	MG/KG	19	5	0.006	1.6	SED-09	3400	0		
Benzo(A)Anthracene	56-55-3	MG/KG	19	12	0.005	3.7	SED-09	0.15	2	0.44 - 44	0
Benzo(B)Fluoranthene	205-99-2	MG/KG	19	13	0.007	3.6	SED-09	0.15	2	0.44 - 44	0
Benzo(G,H,I)Perylene	191-24-2	MG/KG	19	12	0.005	1.7	SED-09	340	0		
Benzo(K)Fluoranthene	207-08-9	MG/KG	19	10	0.005	1.6	SED-09	1.5	1	4.4 - 440	0
Benzo[A]Pyrene	50-32-8	MG/KG	19	13	0.006	2.8	SED-09	0.015	7	0.04 - 4.4	0
Chrysene	218-01-9	MG/KG	19	12	0.007	3.6	SED-09	15	0		
Dibenz(A,H)Anthracene	53-70-3	MG/KG	19	3	0.014	0.39	SED-09	0.015	2	0.04 - 4.4	0
Dibenzofuran	132-64-9	MG/KG	19	2	0.12	0.18	SED-09	14	0		
Fluoranthene	206-44-0	MG/KG	19	14	0.006	7.1	SED-09	460	0		
Fluorene	86-73-7	MG/KG	19	4	0.006	0.49	SED-09	460	0		
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	19	10	0.005	1.6	SED-09	0.15	2	0.4 - 44	0
Naphthalene	91-20-3	MG/KG	19	3	0.028	0.058	SED-28	3.8	0		
Phenanthrene	85-01-8	MG/KG	19	11	0.007	5.2	SED-09	3400	0		

Table 21A
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Location of Max Result	NC PSRG - Residential	No. of Detects Above PSRG - Res	Site-Specific Screening Level	No. of Detects Above SL
Dowtherm Constituents											
Biphenyl	92-52-4	MG/KG	19	1	0.026	0.026	SED-09	9	0		
Diphenyl Ether	101-84-8	MG/KG	19	2	0.096	0.7	SED-09	2700	0		
Inorganics											
Antimony	7440-36-0	MG/KG	19	3	0.135	1.7	SED-09	6.2	0		
Arsenic	7440-38-2	MG/KG	19	19	0.223	5.21	SED-33	0.67	9	1.9 - 112	0
Barium	7440-39-3	MG/KG	19	19	4.98	120	SED-33	3000	0		
Beryllium	7440-41-7	MG/KG	19	19	0.0842	2.62	SED-33	32	0		
Cadmium	7440-43-9	MG/KG	19	6	0.0497	0.22	SED-33	14	0		
Chromium	7440-47-3	MG/KG	19	19	0.858	15.4	SED-33		0		
Cobalt	7440-48-4	MG/KG	19	19	0.374	4.55	SED-09	4.6	0		
Copper	7440-50-8	MG/KG	19	19	0.738	11	SED-26	620	0		
Iron	7439-89-6	MG/KG	19	19	1860	72700	SED-26	11000	4	177000	0
Lead	7439-92-1	MG/KG	19	19	1.35	49.8	SED-33	400	0		
Manganese	7439-96-5	MG/KG	19	19	21	5760	SED-09	360	3	6000	0
Mercury	7439-97-6	MG/KG	19	2	0.0421	0.1	SED-33	1.9	0		
Nickel	7440-02-0	MG/KG	19	17	0.407	8.23	SED-33	300	0		
Selenium	7782-49-2	MG/KG	19	12	0.126	2.29	SED-33	78	0		
Silver	7440-22-4	MG/KG	19	3	0.747	15.3	SED-26	78	0		
Thallium	7440-28-0	MG/KG	19	16	0.0435	1.8	SED-26	0.16	6	2.53	0
Tin	7440-31-5	MG/KG	19	19	1.6	6.4	SED-33	9400	0		
Vanadium	7440-62-2	MG/KG	19	19	3.83	48.1	SED-33	78	0		
Zinc	7440-66-6	MG/KG	19	19	4.57	66.6	SED-33	4600	0		

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 sediment samples. Field duplicates included in statistical summary.
2 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium.
Value for mercury is mercuric chloride
Value for diphenyl ether is DuPont-derived value.
Value for benzo(g,h,i)perylene is pyrene
Value for acenapthylene is acenaphthene
Value for phenanthrene is anthracene

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

3 - Site-specific recreational screening levels provided in Appendix D.

Table 21B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-04	SED-04	SED-05	SED-06	SED-07	SED-09
					Field Sample ID	SSP14-SED-04	SSP14-SED-04-D	SSP14-SED-05	SSP14-SED-06	SSP14-SED-07	SSP14-SED-09
					Date Sampled	10/21/2014	10/21/2014	10/29/2014	10/29/2014	10/29/2014	10/21/2014
					Sample Purpose	FS	DUP	FS	FS	FS	FS
Volatile Organic Compounds											
1,1-Dichloroethane	75-34-3	MG/KG	3.6			<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46			<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	12000			**0.0220 J**	**0.0170 J**	**0.0230**	**0.0190 J**	**0.0160 J**	**0.1300**
Carbon Disulfide	75-15-0	MG/KG	150			<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32			<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Diethylene Glycol	111-46-6	MG/KG	360			<7.2000 UJ	<7.2000 UJ	**8.2000 J**	<6.5000 UJ	<6.4000 UJ	<6.7000
Iodomethane	74-88-4	MG/KG	No Value			<0.0050	<0.0040	<0.0030	<0.0040	<0.0030	**0.0060**
Methyl Ethyl Ketone	78-93-3	MG/KG	5400			<0.0060	<0.0060	<0.0040	<0.0050	<0.0040	**0.0110**
Toluene	108-88-3	MG/KG	820			<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Vinyl Chloride	75-01-4	MG/KG	0.059			<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Semivolatile Organic Compounds											
2-Methylnaphthalene	91-57-6	MG/KG	46			<0.0050	<0.0050	**0.0060 J**	<0.0040	<0.0040	**0.0230**
Acenaphthene	83-32-9	MG/KG	700			<0.0050	<0.0050	**0.0110 J**	<0.0040	<0.0040	**0.1800**
Acenaphthylene	208-96-8	MG/KG	700			<0.0050	<0.0050	<0.0040	<0.0040	<0.0040	**0.1800**
Anthracene	120-12-7	MG/KG	3400			<0.0050	<0.0050	**0.0060 J**	<0.0040	<0.0040	**1.6000**
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	0.44 - 44		**0.0070 J**	**0.0070 J**	**0.0140 J**	**0.0050 J**	<0.0040	**3.7**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	0.44 - 44		**0.0090 J**	**0.0120 J**	**0.0220 J**	<0.0040	<0.0040	**3.6**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340			<0.0050	**0.0070 J**	**0.0120 J**	<0.0040	<0.0040	**1.7**
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	4.4 - 440		**0.0070 J**	<0.0050	**0.0050 J**	<0.0040	<0.0040	**1.6**
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.04 - 4.4		**0.0080 J**	**0.0110 J**	**0.0160 J**	<0.0040	<0.0040	**2.8**
Chrysene	218-01-9	MG/KG	15			**0.0100 J**	**0.0090 J**	**0.0200 J**	<0.0040	<0.0040	**3.6000**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.04 - 4.4		<0.0050	<0.0050	<0.0040	<0.0040	<0.0040	**0.39**
Dibenzofuran	132-64-9	MG/KG	14			<0.0240	<0.0240	<0.0220	<0.0220	<0.0210	**0.1800**
Fluoranthene	206-44-0	MG/KG	460			**0.0190 J**	**0.0090 J**	**0.0350**	<0.0040	<0.0040	**7.1000**
Fluorene	86-73-7	MG/KG	460			<0.0050	<0.0050	**0.0060 J**	<0.0040	<0.0040	**0.4900**
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	0.4 - 44		<0.0050	**0.0070 J**	**0.0130 J**	<0.0040	<0.0040	**1.6**
Naphthalene	91-20-3	MG/KG	3.8			<0.0050	<0.0050	**0.0350**	<0.0040	<0.0040	**0.028**
Phenanthrene	85-01-8	MG/KG	3400			**0.0110 J**	<0.0050	**0.0230**	<0.0040	<0.0040	**5.2**
Dowtherm Constituents											
Biphenyl	92-52-4	MG/KG	9			<0.0240	<0.0240	**0.0260 J**	<0.0220	<0.0210	<0.0220
Diphenyl Ether	101-84-8	MG/KG	2700			<0.0240	<0.0240	**0.7000**	<0.0220	<0.0210	<0.0220
Inorganics											
Antimony	7440-36-0	MG/KG	6.2			<0.119	<0.121	<0.114	<0.108	<0.105	**0.135 J**
Arsenic	7440-38-2	MG/KG	0.67	1.9 - 112		**0.357 J**	**0.322 J**	**0.441 J**	**0.223 J**	**0.355 J**	**1.77 J**
Barium	7440-39-3	MG/KG	3000			**19.4 J**	**17.3 J**	**19.7 J**	**6.05 J**	**5.70 J**	**77.5 J**
Beryllium	7440-41-7	MG/KG	32			**0.597 J**	**0.468 J**	**0.540 J**	**0.168 J**	**0.188 J**	**0.394 J**
Cadmium	7440-43-9	MG/KG	14			<0.0466	<0.0472	**0.104 J**	<0.0422	<0.0410	**0.0497 J**
Chromium	7440-47-3	MG/KG				**4.83**	**2.80 J**	**5.08**	**1.40 J**	**2.53 J**	**1.65 J**
Cobalt	7440-48-4	MG/KG	4.6			**1.36 J**	**1.21 J**	**1.23 J**	**0.585 J**	**0.590 J**	**4.55**
Copper	7440-50-8	MG/KG	620			**2.72 J**	**2.28 J**	**3.22**	**0.738 J**	**0.976 J**	**4.82**

Table 21B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-04	SED-04	SED-05	SED-06	SED-07	SED-09
					Field Sample ID	SSP14-SED-04	SSP14-SED-04-D	SSP14-SED-05	SSP14-SED-06	SSP14-SED-07	SSP14-SED-09
					Date Sampled	10/21/2014	10/21/2014	10/29/2014	10/29/2014	10/29/2014	10/21/2014
					Sample Purpose	FS	DUP	FS	FS	FS	FS
Iron	7439-89-6	MG/KG	11000	177000		**4840 J**	**3790 J**	**4370 J**	**1950 J**	**1860 J**	**10900 J**
Lead	7439-92-1	MG/KG	400			**3.68 J**	**3.25 J**	**3.49 J**	**1.35 J**	**2.10 J**	**5.71 J**
Manganese	7439-96-5	MG/KG	360	6000		**158 J**	**139 J**	**71.1 J**	**54.7 J**	**73.6 J**	**5760 J**
Mercury	7439-97-6	MG/KG	1.9			<0.0139	<0.0136	<0.0132	<0.0127	<0.0124	<0.0130
Nickel	7440-02-0	MG/KG	300			**2.60 J**	**1.89 J**	**2.85**	**0.701 J**	**0.839 J**	**0.407 J**
Selenium	7782-49-2	MG/KG	78			**0.163 J**	**0.169 J**	<0.135	<0.128	<0.124	**0.170 J**
Silver	7440-22-4	MG/KG	78			<0.268	<0.272	<0.256	<0.243	<0.236	**1.41**
Thallium	7440-28-0	MG/KG	0.16	2.53		**0.0889 J**	**0.102 J**	**0.0914 J**	<0.0384	<0.0373	**0.348 J**
Tin	7440-31-5	MG/KG	9400			**2.27 B**	**2.08 B**	**2.42 B**	**2.09 B**	**2.15 B**	**2.13 B**
Vanadium	7440-62-2	MG/KG	78			**10.7 J**	**7.58 J**	**12.7 J**	**4.11 J**	**5.63 J**	**7.11 J**
Zinc	7440-66-6	MG/KG	4600			**14.4**	**12.7**	**14.4**	**5.81**	**5.51**	**63.7**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 sediment samples. Field duplicates included in statistical summary.
2 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value. *Value for phenanthrene is anthracene*

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

3 - Site-specific recreational screening levels provided in Appendix D.

Table 21B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-10	SED-14	SED-26	SED-27	SED-28	SED-29
					Field Sample ID	SSP14-SED-10	SSP14-SED-14	SSP14-SED-26	SSP14-SED-27	SSP14-SED-28	SSP14-SED-29
					Date Sampled	10/21/2014	10/29/2014	10/22/2014	10/29/2014	10/23/2014	10/23/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,1-Dichloroethane	75-34-3	MG/KG	3.6			<0.0010	<0.0010	**0.0090 J**	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46			<0.0010	<0.0010	**0.0080 J**	<0.0010	<0.0010	<0.0010
Acetone	67-64-1	MG/KG	12000			**0.2400**	**0.0220 J**	**0.2800**	**0.0210 J**	**0.0090 J**	**0.0230 J**
Carbon Disulfide	75-15-0	MG/KG	150			<0.0010	**0.0020 B**	**0.0440**	**0.0020 B**	<0.0010	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32			<0.0010	<0.0010	**0.0090 J**	<0.0010	<0.0010	<0.0010
Diethylene Glycol	111-46-6	MG/KG	360			<6.2000	<6.2000 UJ	<24.0000 UJ	<6.6000 UJ	<6.2000	<7.2000 UJ
Iodomethane	74-88-4	MG/KG	No Value			**0.0140**	<0.0030	<0.0200	<0.0030	<0.0030	<0.0040
Methyl Ethyl Ketone	78-93-3	MG/KG	5400			**0.0150**	<0.0050	<0.0270	<0.0050	<0.0040	<0.0050
Toluene	108-88-3	MG/KG	820			<0.0010	**0.0030 J**	<0.0070	<0.0010	<0.0010	<0.0010
Vinyl Chloride	75-01-4	MG/KG	0.059			<0.0010	<0.0010	**0.0100 J**	<0.0010	<0.0010	<0.0010
Semivolatile Organic Compounds											
2-Methylnaphthalene	91-57-6	MG/KG	46			<0.0040	<0.0040	<0.0160	<0.0040	**0.0340**	<0.0050
Acenaphthene	83-32-9	MG/KG	700			<0.0040	<0.0040	**0.0290 J**	<0.0040	**0.3100**	<0.0050
Acenaphthylene	208-96-8	MG/KG	700			<0.0040	<0.0040	<0.0160	<0.0040	**0.0110 J**	<0.0050
Anthracene	120-12-7	MG/KG	3400			<0.0040	**0.0060 J**	<0.0160	<0.0040	**0.7500**	<0.0050
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	0.44 - 44		**0.0060 J**	**0.0170 J**	<0.0160	<0.0040	**2.2**	<0.0050
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	0.44 - 44		**0.0070 J**	**0.026**	**0.0210 J**	<0.0040	**2.8**	<0.0050
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340			**0.0080 J**	**0.0100 J**	**0.0220 J**	<0.0040	**1.3**	<0.0050
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	4.4 - 440		**0.0060 J**	**0.0090 J**	<0.0160	<0.0040	**1**	<0.0050
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.04 - 4.4		**0.0070 J**	**0.0180 J**	**0.0260 J**	<0.0040	**1.9**	<0.0050
Chrysene	218-01-9	MG/KG	15			<0.0040	**0.0180 J**	**0.0270 J**	<0.0040	**2.0000**	<0.0050
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.04 - 4.4		<0.0040	<0.0040	<0.0160	<0.0040	**0.37**	<0.0050
Dibenzofuran	132-64-9	MG/KG	14			<0.0210	<0.0210	<0.0810	<0.0220	**0.1200**	<0.0240
Fluoranthene	206-44-0	MG/KG	460			**0.0070 J**	**0.0390**	**0.0510 J**	<0.0040	**4.5000**	**0.0060 J**
Fluorene	86-73-7	MG/KG	460			<0.0040	<0.0040	**0.0390 J**	<0.0040	**0.3000**	<0.0050
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	0.4 - 44		**0.0060 J**	**0.0090 J**	<0.0160	<0.0040	**1.2**	<0.0050
Naphthalene	91-20-3	MG/KG	3.8			<0.0040	<0.0040	<0.0160	<0.0040	**0.058**	<0.0050
Phenanthrene	85-01-8	MG/KG	3400			<0.0040	**0.028**	**0.0190 J**	<0.0040	**2.9**	<0.0050
Dowtherm Constituents											
Biphenyl	92-52-4	MG/KG	9			<0.0210	<0.0210	<0.0810	<0.0220	<0.0210	<0.0240
Diphenyl Ether	101-84-8	MG/KG	2700			<0.0210	<0.0210	**0.0960 J**	<0.0220	<0.0210	<0.0240
Inorganics											
Antimony	7440-36-0	MG/KG	6.2			<0.102	<0.103	**1.70 J**	<0.109	<0.100	<0.116
Arsenic	7440-38-2	MG/KG	0.67	1.9 - 112		**0.999 J**	**0.782 J**	**5.12 J**	**0.545 J**	**0.344 J**	**0.838 J**
Barium	7440-39-3	MG/KG	3000			**23.5 J**	**7.43 J**	**87.1 J**	**9.51 J**	**15.2 J**	**29.4 J**
Beryllium	7440-41-7	MG/KG	32			**0.283 J**	**0.132 J**	**1.82 J**	**0.455 J**	**0.143 J**	**1.01 J**
Cadmium	7440-43-9	MG/KG	14			<0.0397	<0.0403	<0.156	**0.0888 J**	<0.0391	<0.0454
Chromium	7440-47-3	MG/KG				**0.858 J**	**2.29 J**	**8.02 J**	**2.19 J**	**1.57 J**	**2.41 J**
Cobalt	7440-48-4	MG/KG	4.6			**1.94**	**0.512 J**	**3.28 J**	**1.19 J**	**1.14 J**	**2.07**
Copper	7440-50-8	MG/KG	620			**3.4**	**1.20 J**	**11**	**1.67 J**	**1.49 J**	**4.12**

Table 21B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-10	SED-14	SED-26	SED-27	SED-28	SED-29
					Field Sample ID	SSP14-SED-10	SSP14-SED-14	SSP14-SED-26	SSP14-SED-27	SSP14-SED-28	SSP14-SED-29
					Date Sampled	10/21/2014	10/29/2014	10/22/2014	10/29/2014	10/23/2014	10/23/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Iron	7439-89-6	MG/KG	11000	177000		**9780 J**	**3130 J**	**72700 J**	**5690 J**	**4920 J**	**8460 J**
Lead	7439-92-1	MG/KG	400			**3.39 J**	**2.96 J**	**13.0 J**	**3.04 J**	**2.49 J**	**9.16 J**
Manganese	7439-96-5	MG/KG	360	6000		**1270 J**	**24.7 J**	**1350 J**	**103 J**	**101 J**	**205 J**
Mercury	7439-97-6	MG/KG	1.9			<0.0115	<0.0119	<0.0477	<0.0130	<0.0122	<0.0138
Nickel	7440-02-0	MG/KG	300			<0.180	**0.944 J**	<0.710	**1.66 J**	**0.944 J**	**2.45 J**
Selenium	7782-49-2	MG/KG	78			**0.150 J**	<0.122	**1.04 J**	<0.129	<0.118	**0.276 J**
Silver	7440-22-4	MG/KG	78			**0.747 J**	<0.232	**15.3**	<0.244	<0.225	<0.261
Thallium	7440-28-0	MG/KG	0.16	2.53		**0.0873 J**	**0.0458 J**	**1.80 J**	**0.0435 J**	**0.138 J**	**0.229 J**
Tin	7440-31-5	MG/KG	9400			**1.70 B**	**2.08 B**	**6.28 B**	**3.27 B**	**1.60 B**	**2.98 B**
Vanadium	7440-62-2	MG/KG	78			**3.83 J**	**5.79 J**	**21.5 J**	**11.3 J**	**6.38 J**	**14.2 J**
Zinc	7440-66-6	MG/KG	4600			**17.9**	**6.04**	**59**	**9.64**	**16.6**	**30.1**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 sediment samples. Field duplicates included in statistical summary.
2 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value. *Value for phenanthrene is anthracene*

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

3 - Site-specific recreational screening levels provided in Appendix D.

Table 21B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-30	SED-31	SED-32	SED-33	SED-34	SED-35
					Field Sample ID	SSP14-SED-30	SSP14-SED-31	SSP14-SED-32	SSP14-SED-33	SSP14-SED-34	SSP14-SED-35
					Date Sampled	10/23/2014	10/29/2014	10/29/2014	10/22/2014	10/22/2014	10/22/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,1-Dichloroethane	75-34-3	MG/KG	3.6			<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46			<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010
Acetone	67-64-1	MG/KG	12000			**0.0180 J**	**0.0150 J**	**0.0240**	**0.2500**	**0.1400**	**0.0320**
Carbon Disulfide	75-15-0	MG/KG	150			<0.0010	**0.0020 B**	**0.0030 B**	<0.0040	<0.0030	<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32			<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010
Diethylene Glycol	111-46-6	MG/KG	360			<7.2000 UJ	<6.3000 UJ	<6.6000 UJ	<22.0000 UJ	<15.0000 UJ	<7.6000 UJ
Iodomethane	74-88-4	MG/KG	No Value			<0.0040	<0.0030	<0.0030	<0.0130	<0.0100	<0.0030
Methyl Ethyl Ketone	78-93-3	MG/KG	5400			<0.0050	<0.0040	<0.0050	**0.0270 J**	<0.0140	<0.0040
Toluene	108-88-3	MG/KG	820			<0.0010	**0.0010 J**	<0.0010	<0.0040	<0.0030	<0.0010
Vinyl Chloride	75-01-4	MG/KG	0.059			<0.0010	<0.0010	<0.0010	<0.0040	<0.0030	<0.0010
Semivolatile Organic Compounds											
2-Methylnaphthalene	91-57-6	MG/KG	46			<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050
Acenaphthene	83-32-9	MG/KG	700			<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050
Acenaphthylene	208-96-8	MG/KG	700			<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050
Anthracene	120-12-7	MG/KG	3400			<0.0050	<0.0040	<0.0040	<0.0150	**0.0110 J**	<0.0050
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	0.44 - 44		**0.0070 J**	<0.0040	**0.0060 J**	<0.0150	**0.0470 J**	**0.0060 J**
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	0.44 - 44		**0.0140 J**	<0.0040	**0.0070 J**	**0.0540 J**	**0.067**	**0.0130 J**
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340			**0.0110 J**	<0.0040	**0.0050 J**	**0.0250 J**	**0.055**	**0.0090 J**
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	4.4 - 440		<0.0050	<0.0040	**0.0060 J**	**0.0180 J**	**0.055**	**0.0060 J**
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.04 - 4.4		**0.0110 J**	<0.0040	**0.0060 J**	**0.0520 J**	**0.055**	**0.0080 J**
Chrysene	218-01-9	MG/KG	15			**0.0120 J**	<0.0040	**0.0070 J**	**0.0460 J**	**0.0740**	**0.0080 J**
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.04 - 4.4		<0.0050	<0.0040	<0.0040	<0.0150	**0.0140 J**	<0.0050
Dibenzofuran	132-64-9	MG/KG	14			<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250
Fluoranthene	206-44-0	MG/KG	460			**0.0140 J**	<0.0040	**0.0170 J**	**0.0820**	**0.1200**	**0.0180 J**
Fluorene	86-73-7	MG/KG	460			<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	0.4 - 44		**0.0100 J**	<0.0040	**0.0050 J**	<0.0150	**0.0400 J**	**0.0080 J**
Naphthalene	91-20-3	MG/KG	3.8			<0.0050	<0.0040	<0.0040	<0.0150	<0.0100	<0.0050
Phenanthrene	85-01-8	MG/KG	3400			**0.0070 J**	<0.0040	**0.0140 J**	**0.0340 J**	**0.0470 J**	**0.0100 J**
Dowtherm Constituents											
Biphenyl	92-52-4	MG/KG	9			<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250
Diphenyl Ether	101-84-8	MG/KG	2700			<0.0240	<0.0210	<0.0220	<0.0750	<0.0480	<0.0250
Inorganics											
Antimony	7440-36-0	MG/KG	6.2			<0.120	<0.104	<0.110	<0.378	**0.242 J**	<0.128
Arsenic	7440-38-2	MG/KG	0.67	1.9 - 112		**0.494 J**	**0.500 J**	**3.05**	**5.21 J**	**3.34 J**	**0.984 J**
Barium	7440-39-3	MG/KG	3000			**18.5 J**	**4.98 J**	**12.7 J**	**120 J**	**76.3 J**	**22.0 J**
Beryllium	7440-41-7	MG/KG	32			**0.613 J**	**0.0842 J**	**0.374 J**	**2.62 J**	**1.66 J**	**0.574 J**
Cadmium	7440-43-9	MG/KG	14			<0.0470	<0.0408	**0.121 J**	**0.220 J**	**0.165 J**	<0.0502
Chromium	7440-47-3	MG/KG				**2.46 J**	**3.11 J**	**7.09**	**15.4**	**13.4**	**3.64 J**
Cobalt	7440-48-4	MG/KG	4.6			**1.34 J**	**0.374 J**	**1.11 J**	**4.17 J**	**3.87**	**1.33 J**
Copper	7440-50-8	MG/KG	620			**1.97 J**	**0.993 J**	**3.72**	**9.13**	**6.59**	**2.54 J**

Table 21B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-30	SED-31	SED-32	SED-33	SED-34	SED-35
					Field Sample ID	SSP14-SED-30	SSP14-SED-31	SSP14-SED-32	SSP14-SED-33	SSP14-SED-34	SSP14-SED-35
					Date Sampled	10/23/2014	10/29/2014	10/29/2014	10/22/2014	10/22/2014	10/22/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Iron	7439-89-6	MG/KG	11000	177000		**6310 J**	**3340 J**	**11600 J**	**16600 J**	**13100 J**	**6140 J**
Lead	7439-92-1	MG/KG	400			**7.55 J**	**2.29 J**	**9.28 J**	**49.8 J**	**24.1 J**	**7.88 J**
Manganese	7439-96-5	MG/KG	360	6000		**116 J**	**21.0 J**	**58.3 J**	**280 J**	**151 J**	**67.1 J**
Mercury	7439-97-6	MG/KG	1.9			<0.0137	<0.0118	<0.0125	**0.100 J**	**0.0421 J**	<0.0152
Nickel	7440-02-0	MG/KG	300			**1.66 J**	**0.635 J**	**2.39 J**	**8.23 J**	**6.66**	**2.39 J**
Selenium	7782-49-2	MG/KG	78			**0.183 J**	<0.124	**0.130 J**	**2.29 J**	**1.16 J**	**0.228 J**
Silver	7440-22-4	MG/KG	78			<0.271	<0.235	<0.247	<0.852	<0.541	<0.289
Thallium	7440-28-0	MG/KG	0.16	2.53		**0.175 J**	<0.0371	**0.0861 J**	**0.618 J**	**0.317 J**	**0.0976 J**
Tin	7440-31-5	MG/KG	9400			**2.73 B**	**3.29 B**	**2.79 B**	**6.40 B**	**4.89 B**	**2.45 B**
Vanadium	7440-62-2	MG/KG	78			**11.9 J**	**6.44 J**	**20.4 J**	**48.1 J**	**40.6 J**	**12.4 J**
Zinc	7440-66-6	MG/KG	4600			**18.8**	**4.57 J**	**13.5**	**66.6**	**50.8**	**16.6**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 sediment samples. Field duplicates included in statistical summary.
2 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value. *Value for phenanthrene is anthracene*

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

3 - Site-specific recreational screening levels provided in Appendix D.

Table 21B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-BALLFIELD
					Field Sample ID	SSP14-SED-BALLFIELD
					Date Sampled	10/23/2014
					Sample Purpose	FS
Volatile Organic Compounds						
1,1-Dichloroethane	75-34-3	MG/KG	3.6			<0.0010
1,1-Dichloroethene	75-35-4	MG/KG	46			<0.0010
Acetone	67-64-1	MG/KG	12000			**0.0210**
Carbon Disulfide	75-15-0	MG/KG	150			<0.0010
cis-1,2 Dichloroethene	156-59-2	MG/KG	32			<0.0010
Diethylene Glycol	111-46-6	MG/KG	360			<6.1000
Iodomethane	74-88-4	MG/KG	No Value			<0.0030
Methyl Ethyl Ketone	78-93-3	MG/KG	5400			<0.0040
Toluene	108-88-3	MG/KG	820			<0.0010
Vinyl Chloride	75-01-4	MG/KG	0.059			<0.0010
Semivolatile Organic Compounds						
2-Methylnaphthalene	91-57-6	MG/KG	46			<0.0040
Acenaphthene	83-32-9	MG/KG	700			<0.0040
Acenaphthylene	208-96-8	MG/KG	700			<0.0040
Anthracene	120-12-7	MG/KG	3400			<0.0040
Benzo(A)Anthracene	56-55-3	MG/KG	0.15	0.44 - 44		<0.0040
Benzo(B)Fluoranthene	205-99-2	MG/KG	0.15	0.44 - 44		<0.0040
Benzo(G,H,I)Perylene	191-24-2	MG/KG	340			<0.0040
Benzo(K)Fluoranthene	207-08-9	MG/KG	1.5	4.4 - 440		<0.0040
Benzo[A]Pyrene	50-32-8	MG/KG	0.015	0.04 - 4.4		<0.0040
Chrysene	218-01-9	MG/KG	15			<0.0040
Dibenz(A,H)Anthracene	53-70-3	MG/KG	0.015	0.04 - 4.4		<0.0040
Dibenzofuran	132-64-9	MG/KG	14			<0.0200
Fluoranthene	206-44-0	MG/KG	460			<0.0040
Fluorene	86-73-7	MG/KG	460			<0.0040
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	0.15	0.4 - 44		<0.0040
Naphthalene	91-20-3	MG/KG	3.8			<0.0040
Phenanthrene	85-01-8	MG/KG	3400			<0.0040
Dowtherm Constituents						
Biphenyl	92-52-4	MG/KG	9			<0.0200
Diphenyl Ether	101-84-8	MG/KG	2700			<0.0200
Inorganics						
Antimony	7440-36-0	MG/KG	6.2			<0.0983
Arsenic	7440-38-2	MG/KG	0.67	1.9 - 112		**0.382 J**
Barium	7440-39-3	MG/KG	3000			**12.6 J**
Beryllium	7440-41-7	MG/KG	32			**0.494 J**
Cadmium	7440-43-9	MG/KG	14			<0.0384
Chromium	7440-47-3	MG/KG				**1.33 J**
Cobalt	7440-48-4	MG/KG	4.6			**0.858 J**
Copper	7440-50-8	MG/KG	620			**1.27 J**

Table 21B
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	CAS No.	Units	NC PSRG - Residential	Site-Specific Screening Level	Location ID	SED-BALLFIELD
					Field Sample ID	SSP14-SED-BALLFIELD
					Date Sampled	10/23/2014
					Sample Purpose	FS
Iron	7439-89-6	MG/KG	11000	177000		**6090 J**
Lead	7439-92-1	MG/KG	400			**2.87 J**
Manganese	7439-96-5	MG/KG	360	6000		**106 J**
Mercury	7439-97-6	MG/KG	1.9			<0.0113
Nickel	7440-02-0	MG/KG	300			**0.453 J**
Selenium	7782-49-2	MG/KG	78			**0.126 J**
Silver	7440-22-4	MG/KG	78			<0.221
Thallium	7440-28-0	MG/KG	0.16	2.53		**0.114 J**
Tin	7440-31-5	MG/KG	9400			**1.72 B**
Vanadium	7440-62-2	MG/KG	78			**7.51 J**
Zinc	7440-66-6	MG/KG	4600			**11.8**

Notes:
MG/KG - Milligram(s) per kilogram
1 - Constituents detected in 2014 sediment samples. Field duplicates included in statistical summary.
2 - NCDENR Inactive Hazardous Site Branch Preliminary Soils Remediation Goals (March 2015)
Value for chromium is trivalent chromium. *Value for benzo(g,h,i)perylene is pyrene*
Value for mercury is mercuric chloride *Value for acenapthylene is acenaphthene*
Value for diphenyl ether is DuPont-derived value. *Value for phenanthrene is anthracene*

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

3 - Site-specific recreational screening levels provided in Appendix D.

Table 22
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	ESV	Units	Reference[a]
1,1,1,2-Tetrachloroethane	—	—	—
1,1,1-Trichloroethane	213	µg/kg	EPA R5 ESL
1,1,2,2-Tetrachloroethane	850	µg/kg	EPA R5 ESL
1,1,2-Trichloroethane	518	µg/kg	EPA R5 ESL
1,1-Dichloroethane	0.575	µg/kg	EPA R5 ESL
1,1-Dichloroethene	19.4	µg/kg	EPA R5 ESL
1,2,3-Trichloropropane	—	—	—
1,2,4,5-Tetrachlorobenzene	1252	µg/kg	EPA R5 ESL
1,2,4-Trichlorobenzene	5062	µg/kg	EPA R5 ESL
1,2-Dibromo-3-Chloropropane	—	—	—
1,2-Dibromoethane (EDB)	—	—	—
1,2-Dichlorobenzene	294	µg/kg	EPA R5 ESL
1,2-Dichloroethane	260	µg/kg	EPA R5 ESL
1,2-Dichloropropane	333	µg/kg	EPA R5 ESL
1,3,5-Trinitrobenzene	—	—	—
1,3-Dichlorobenzene	318	µg/kg	EPA R5 ESL
1,3-Dinitrobenzene	8.61	µg/kg	EPA R5 ESL
1,4-Dichlorobenzene	1315	µg/kg	EPA R5 ESL
1,4-Dioxane	119	µg/kg	EPA R5 ESL
1,4-Naphthoquinone	—	—	—
1-Naphthylamine	—	—	—
2,3,4,6-Tetrachlorophenol	129	µg/kg	EPA R5 ESL
2,4,5-Trichlorophenol	819	µg/kg	EPA R3 BTAG Marine
2,4,6-Trichlorophenol	208	µg/kg	EPA R5 ESL
2,4-Dichlorophenol	81.7	µg/kg	EPA R5 ESL
2,4-Dimethylphenol	304	µg/kg	EPA R5 ESL
2,4-Dinitrophenol	6.21	µg/kg	EPA R5 ESL
2,4-Dinitrotoluene	14.4	µg/kg	EPA R5 ESL
2,6-Dichlorophenol	—	—	—
2,6-Dinitrotoluene	39.8	µg/kg	EPA R5 ESL
2-Acetylaminofluorene	15.3	µg/kg	EPA R5 ESL
2-Chloronaphthalene	417	µg/kg	EPA R5 ESL
2-Chlorophenol	31.9	µg/kg	EPA R5 ESL
2-Hexanone	58.2	µg/kg	EPA R5 ESL
2-Methylnaphthalene	330	µg/kg	EPA R4 ESV
2-Methylphenol (O-Cresol)	55.4	µg/kg	EPA R5 ESL
2-Naphthylamine	—	—	—
2-Nitroaniline	—	—	—
2-Nitrophenol	—	—	—
2-Picoline	—	—	—
3,3'-Dichlorobenzidine	127	µg/kg	EPA R5 ESL
3,3'-Dimethylbenzidine	—	—	—
3-Methylcholanthrene	8.19E+06	µg/kg	EPA R5 ESL
3-Nitroaniline	—	—	—
4,6-Dinitro-2-Methylphenol	104	µg/kg	EPA R5 ESL

Table 22
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Analyte	ESV	Units	Reference[a]
4-Aminobiphenyl	—	—	—
4-Bromophenyl Phenyl Ether	1550	µg/kg	EPA R5 ESL
4-Chloro-3-Methylphenol	388	µg/kg	EPA R5 ESL
4-Chloroaniline	146.1	µg/kg	EPA R5 ESL
4-Chlorophenyl Phenyl Ether	—	—	—
4-Dimethylaminoazobenzene	318	µg/kg	EPA R5 ESL
4-Methylphenol (P-Cresol)	20.2	µg/kg	EPA R5 ESL
4-Nitroaniline	—	—	—
4-Nitrophenol	13.3	µg/kg	EPA R5 ESL
4-Nitroquinoline-N-Oxide	—	—	—
5-Nitro-Ortho-Toluidine	—	—	—
7,12-Dimethylbenz[A]Anthracene	6.64E+04	µg/kg	EPA R5 ESL
Acenaphthene	330	µg/kg	EPA R4 ESV
Acenaphthylene	330	µg/kg	EPA R4 ESV
Acetone	9.9	µg/kg	EPA R5 ESL
Acetonitrile	56	µg/kg	EPA R5 ESL
Acetophenone	—	—	—
Acrolein	0.00152	µg/kg	EPA R5 ESL
Acrylonitrile	1.2	µg/kg	EPA R5 ESL
Allyl Chloride	—	—	—
Aniline	0.31	µg/kg	EPA R5 ESL
Anthracene	330	µg/kg	EPA R4 ESV
Antimony	12	mg/kg	EPA R4 ESV
Arsenic	7.24	mg/kg	EPA R4 ESV
Barium	189	mg/kg	TX SQG
Benzene	142	µg/kg	EPA R5 ESL
Benzo(A)Anthracene	330	µg/kg	EPA R4 ESV
Benzo(B)Fluoranthene	1.04E+04	µg/kg	EPA R5 ESL
Benzo(G,H,I)Perylene	170	µg/kg	EPA R5 ESL
Benzo(K)Fluoranthene	240	µg/kg	EPA R5 ESL
Benzo[A]Pyrene	330	µg/kg	EPA R4 ESV
Benzyl Alcohol	1.04	µg/kg	EPA R5 ESL
Beryllium	—	—	—
Biphenyl	1220	µg/kg	EPA R3 BTAG
Bis(2-Chloroethoxy)Methane	—	—	—
Bis(2-Chloroethyl)Ether	3520	µg/kg	EPA R5 ESL
Bis(2-Chloroisopropyl)Ether	—	—	—
Bis(2-Ethylhexyl)Phthalate	182	µg/kg	EPA R4 ESV
Bromodichloromethane	—	—	—
Bromoform	492	µg/kg	EPA R5 ESL
Butyl Benzyl Phthalate	1970	µg/kg	EPA R5 ESL
Cadmium	1	mg/kg	EPA R4 ESV
Carbon Disulfide	23.9	µg/kg	EPA R5 ESL
Carbon Tetrachloride	1450	µg/kg	EPA R5 ESL
Chlorobenzene	291	µg/kg	EPA R5 ESL

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Analyte	ESV	Units	Reference[a]
Chlorobenzilate	860	µg/kg	EPA R5 ESL
Chlorodibromomethane	—	—	—
Chloroform	121	µg/kg	EPA R5 ESL
Chloroprene	—	—	—
Chromium	52.3	mg/kg	EPA R4 ESV
Chrysene	330	µg/kg	EPA R4 ESV
cis-1,2 Dichloroethene	654	µg/kg	EPA R5 ESL
cis-1,3-Dichloropropene	—	—	—
Cobalt (total)	50	mg/kg	EPA R5 ESL
Copper	18.7	mg/kg	EPA R4 ESV
Diallate	—	—	—
Dibenz(A,H)Anthracene	33	µg/kg	EPA R5 ESL
Dibenzofuran	449	µg/kg	EPA R5 ESL
Dichlorodifluoromethane	—	—	—
Diethyl Phthalate	295	µg/kg	EPA R5 ESL
Diethylene Glycol	270000	µg/kg	Dutch IV
Dimethoate	—	—	—
Dimethyl Phthalate	530	µg/kg	Washington MAEL
Di-N-Butyl Phthalate	1114	µg/kg	EPA R4 ESV
Diphenyl Ether	23600	µg/kg	DuPont ETC
Ethyl Chloride	—	—	—
Ethyl Methacrylate	—	—	—
Ethyl Methanesulfonate	—	—	—
Ethylbenzene	175	µg/kg	EPA R5 ESL
Ethylene Glycol	—	—	—
Fluoranthene	330	µg/kg	EPA R4 ESV
Fluorene	330	µg/kg	EPA R4 ESV
Hexachlorobenzene	20	µg/kg	EPA R5 ESL
Hexachlorobutadiene	26.5	µg/kg	EPA R5 ESL
Hexachlorocyclopentadiene	901	µg/kg	EPA R5 ESL
Hexachloroethane	584	µg/kg	EPA R5 ESL
Hexachloropropylene	—	—	—
Indeno (1,2,3-CD) Pyrene	200	µg/kg	EPA R5 ESL
Iodomethane	—	—	—
Iron	20000	mg/kg	EPA R3 BTAG
Isobutyl Alcohol	—	—	—
Isodrin	55.2	µg/kg	EPA R5 ESL
Isophorone	432	µg/kg	EPA R5 ESL
Isosafrole	—	—	—
Lead	30.2	mg/kg	EPA R4 ESV
Manganese	460	mg/kg	EPA R3 BTAG
Mercury	0.13	mg/kg	EPA R4 ESV
Methacrylonitrile	—	—	—
Methapyrilene	—	—	—
Methyl Bromide	1.37	µg/kg	EPA R5 ESL

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Analyte	ESV	Units	Reference[a]
Methyl Chloride	—	—	—
Methyl Ethyl Ketone	42.4	µg/kg	EPA R5 ESL
Methyl Isobutyl Ketone	25.1	µg/kg	EPA R5 ESL
Methyl Methacrylate	168	µg/kg	EPA R5 ESL
Methyl Methanesulfonate	—	—	—
Methylene Bromide	—	—	—
Methylene Chloride	159	µg/kg	EPA R5 ESL
Naphthalene	330	µg/kg	EPA R5 ESL
N-Dioctyl Phthalate	4.06E+04	µg/kg	EPA R5 ESL
Nickel	15.9	mg/kg	EPA R4 ESV
Nitrate	—	—	—
Nitrite	—	—	—
Nitrobenzene	145	µg/kg	EPA R5 ESL
N-Nitroso(Methyl)Ethylamine	—	—	—
N-Nitrosodiethylamine	22.8	µg/kg	EPA R5 ESL
N-Nitrosodimethylamine	—	—	—
N-Nitroso-Di-N-Butylamine	—	—	—
N-Nitrosodi-N-Propylamine	—	—	—
N-Nitrosodiphenylamine	2680	µg/kg	EPA R3 BTAG
N-Nitrosomorpholine	—	—	—
N-Nitrosopiperidine	—	—	—
N-Nitrosopyrrolidine	—	—	—
O,O,O-Triethylphosphorothioate	189	µg/kg	EPA R5 ESL
O-Toluidine	—	—	—
para-Phenylenediamine	—	—	—
Pentachlorobenzene	24	µg/kg	EPA R5 ESL
Pentachloroethane	689	µg/kg	EPA R5 ESL
Pentachloronitrobenzene	—	—	—
Pentachlorophenol	23000	µg/kg	EPA R5 ESL
Phenacetin	—	—	—
Phenanthrene	330	µg/kg	EPA R4 ESV
Phenol	49.1	µg/kg	EPA R5 ESL
Pronamide	—	—	—
Propionitrile	—	—	—
Propylene Glycol	—	—	—
Pyrene	195	µg/kg	EPA R5 ESL
Pyridine	106	µg/kg	EPA R5 ESL
Safrole	—	—	—
Selenium	2	mg/kg	EPA R3 BTAG
Silver	2	mg/kg	EPA R4 ESV
Styrene	254	µg/kg	EPA R5 ESL
Tetrachloroethene	990	µg/kg	EPA R5 ESL
Tetraethyl Dithiopyrophosphate	560	µg/kg	EPA R5 ESL
Thallium	—	—	—
Thionazin	—	—	—

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Analyte	ESV	Units	Reference[a]
Tin	0.048	mg/kg	Marine TEL
Toluene	1220	µg/kg	EPA R5 ESL
Total Organic Carbon	—	—	—
trans-1,2-Dichloroethene	—	—	—
trans-1,3-Dichloropropene	—	—	—
trans-1,4-Dichlorobutene-2	—	—	—
Trichloroethene	112	µg/kg	EPA R5 ESL
Trichlorofluoromethane	—	—	—
Triethylene Glycol	—	—	—
Vanadium	57	mg/kg	AET Marine
Vinyl Acetate	13	µg/kg	EPA R5 ESL
Vinyl Chloride	202	µg/kg	EPA R5 ESL
Xylenes (total)	433	µg/kg	EPA R5 ESL
Zinc	124	mg/kg	EPA R4 ESV
HMW PAHs	655	µg/kg	EPA R4 ESV
LMW PAHs	330	µg/kg	EPA R4 ESV
Total PAHs	1684	µg/kg	EPA R4 ESV

Notes:
µg/kg, microgram per kilogram; mg/kg, miligram per kilogram
[a] - References used are as follows;
- EPA R5 ESL, EPA Region 5 Ecological Screening Levels (USEPA, 2003)
- EPA R4 ESV, EPA Region IV Ecological Screening Values (USEPA, 1995)
- EPA R3 BTAG, EPA Region III Biological Technical Assistance Group Freshwater Sediment Screening Benchmarks (EPA, 2006)
- TX SQG, Texas Sediment Quality Guidelines (TNRCC, 2001)
- Dutch IV (Buchman, 2008)
- TEL, Threshold effects level (Buchman, 2008)
- AET Marine, Apparent effects threshold (Buchman, 2008)
- Washington MAEL, Washingtion Minor Adverse Effect Level (WDE, 2001)

- DuPont-derived effects threshold concentration (ETC) based on the mean of the no observed effect concentration (NOEC) and the lowest observed effect concentrations (LOEC).

Table 23
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Category	Analyte	Units	N	Detects	Min[a]	Max[b]	Mean[c]	ESV	Units	Reference[d]	Exceedance	Rationale
Glycols	Diethylene Glycol	µg/kg	18	1	8200	8200	4733	270000	µg/kg	Dutch IV	0	Max < ESV
Glycols	Ethylene Glycol	µg/kg	18	0	—	—	4464	—	—	—	—	Non-Detect
Glycols	Propylene Glycol	µg/kg	18	0	—	—	4464	—	—	—	—	Non-Detect
Glycols	Triethylene Glycol	µg/kg	18	0	—	—	4464	—	—	—	—	Non-Detect
Metals	Antimony	mg/kg	18	3	0.14	1.7	0.17	12	mg/kg	EPA R4 ESV	0	Max < ESV
Metals	Arsenic	mg/kg	18	18	0.22	5.21	1.43	7.24	mg/kg	EPA R4 ESV	0	Max < ESV
Metals	Barium	mg/kg	18	18	4.98	120	31.5	189	mg/kg	TX SQG	0	Max < ESV
Metals	Beryllium	mg/kg	18	18	0.08	2.62	0.67	—	—	—	—	No ESV
Metals	Cadmium	mg/kg	18	6	0.05	0.22	0.06	1	mg/kg	EPA R4 ESV	0	Max < ESV
Metals	Chromium	mg/kg	18	18	0.86	15.4	4.40	52.3	mg/kg	EPA R4 ESV	0	Max < ESV
Metals	Copper	mg/kg	18	18	0.74	11	3.42	18.7	mg/kg	EPA R4 ESV	0	Max < ESV
Metals	Iron	mg/kg	18	18	1860	72700	10654	20000	mg/kg	EPA R3 BTAG	1	Max > ESV
Metals	Lead	mg/kg	18	18	1.35	49.8	8.56	30.2	mg/kg	EPA R4 ESV	1	Max > ESV
Metals	Manganese	mg/kg	18	18	21	5760	554	460	mg/kg	EPA R3 BTAG	3	Max > ESV
Metals	Mercury	mg/kg	18	2	0.04	0.1	0.01	0.13	mg/kg	EPA R4 ESV	0	Max < ESV
Metals	Nickel	mg/kg	18	16	0.41	8.23	2.01	15.9	mg/kg	EPA R4 ESV	0	Max < ESV
Metals	Selenium	mg/kg	18	11	0.13	2.29	0.35	2	mg/kg	EPA R3 BTAG	1	Max > ESV
Metals	Silver	mg/kg	18	3	0.75	15.3	1.10	2	mg/kg	EPA R4 ESV	1	Max > ESV
Metals	Thallium	mg/kg	18	15	0.04	1.8	0.24	—	—	—	—	No ESV
Metals	Tin	mg/kg	18	18	1.60	6.4	2.96	—	—	—	—	No ESV
Metals	Vanadium	mg/kg	18	18	3.83	48.1	13.92	57	mg/kg	AET Marine	0	Max < ESV
Metals	Zinc	mg/kg	18	18	4.57	66.6	23.7	124	mg/kg	EPA R4 ESV	0	Max < ESV
SVOCs	1,2,4,5-Tetrachlorobenzene	µg/kg	18	0	—	—	14.89	1252	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	1,2,4-Trichlorobenzene	µg/kg	18	0	—	—	14.89	5062	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	1,2-Dichlorobenzene	µg/kg	18	0	—	—	14.89	294	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	1,3,5-Trinitrobenzene	µg/kg	18	0	—	—	148.9	—	—	—	—	Non-Detect
SVOCs	1,3-Dichlorobenzene	µg/kg	18	0	—	—	14.89	318	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	1,3-Dinitrobenzene	µg/kg	18	0	—	—	59.2	8.61	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	1,4-Dichlorobenzene	µg/kg	18	0	—	—	14.89	1315	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	1,4-Dioxane	µg/kg	18	0	—	—	88.1	119	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	1,4-Naphthoquinone	µg/kg	18	0	—	—	739	—	—	—	—	Non-Detect
SVOCs	1-Naphthylamine	µg/kg	18	0	—	—	148.9	—	—	—	—	Non-Detect
SVOCs	2,3,4,6-Tetrachlorophenol	µg/kg	18	0	—	—	59.2	129	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2,4,5-Trichlorophenol	µg/kg	18	0	—	—	14.89	819	µg/kg	EPA R3 BTAG Marine	—	Non-Detect
SVOCs	2,4,6-Trichlorophenol	µg/kg	18	0	—	—	14.89	208	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2,4-Dichlorophenol	µg/kg	18	0	—	—	14.89	81.7	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2,4-Dimethylphenol	µg/kg	18	0	—	—	14.89	304	µg/kg	EPA R5 ESL	—	Non-Detect

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Category	Analyte	Units	N	Detects	Min[a]	Max[b]	Mean[c]	ESV	Units	Reference[d]	Exceedance	Rationale
SVOCs	2,4-Dinitrophenol	µg/kg	18	0	—	—	264	6.21	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2,4-Dinitrotoluene	µg/kg	18	0	—	—	59.2	14.4	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2,6-Dichlorophenol	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	2,6-Dinitrotoluene	µg/kg	18	0	—	—	14.89	39.8	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2-Acetylaminofluorene	µg/kg	18	0	—	—	59.2	15.3	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2-Chloronaphthalene	µg/kg	18	0	—	—	6.25	417	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2-Chlorophenol	µg/kg	18	0	—	—	14.89	31.9	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2-Methylnaphthalene	µg/kg	18	3	6	34	6.08	330	µg/kg	EPA R4 ESV	0	Max < ESV
SVOCs	2-Methylphenol (O-Cresol)	µg/kg	18	0	—	—	14.89	55.4	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	2-Naphthylamine	µg/kg	18	0	—	—	148.9	—	—	—	—	Non-Detect
SVOCs	2-Nitroaniline	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	2-Nitrophenol	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	2-Picoline	µg/kg	18	0	—	—	88.1	—	—	—	—	Non-Detect
SVOCs	3,3'-Dichlorobenzidine	µg/kg	18	0	—	—	88.1	127	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	3,3'-Dimethylbenzidine	µg/kg	18	0	—	—	445	—	—	—	—	Non-Detect
SVOCs	3-Methylcholanthrene	µg/kg	18	0	—	—	14.89	8190000	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	3-Nitroaniline	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	4,6-Dinitro-2-Methylphenol	µg/kg	18	0	—	—	148.9	104	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	4-Aminobiphenyl	µg/kg	18	0	—	—	148.9	—	—	—	—	Non-Detect
SVOCs	4-Bromophenyl Phenyl Ether	µg/kg	18	0	—	—	14.89	1550	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	4-Chloro-3-Methylphenol	µg/kg	18	0	—	—	14.89	388	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	4-Chloroaniline	µg/kg	18	0	—	—	14.89	146.1	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	4-Chlorophenyl Phenyl Ether	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	4-Dimethylaminoazobenzene	µg/kg	18	0	—	—	59.2	318	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	4-Methylphenol (P-Cresol)	µg/kg	18	0	—	—	14.89	20.2	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	4-Nitroaniline	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	4-Nitrophenol	µg/kg	18	0	—	—	148.9	13.3	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	4-Nitroquinoline-N-Oxide	µg/kg	18	0	—	—	297	—	—	—	—	Non-Detect
SVOCs	5-Nitro-Ortho-Toluidine	µg/kg	18	0	—	—	148.9	—	—	—	—	Non-Detect
SVOCs	7,12-Dimethylbenz[A]Anthracene	µg/kg	18	0	—	—	14.89	66400	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Acenaphthene[e]	µg/kg	18	4	11	310	31.6	330	µg/kg	EPA R4 ESV	0	Max < ESV
SVOCs	Acenaphthylene[e]	µg/kg	18	2	11	180	13.31	330	µg/kg	EPA R4 ESV	0	Max < ESV
SVOCs	Acetophenone	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	Aniline	µg/kg	18	0	—	—	148.89	0.31	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Anthracene[e]	µg/kg	18	5	6.0	1600	134.03	330	µg/kg	EPA R4 ESV	2	Max > ESV

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Category	Analyte	Units	N	Detects	Min[a]	Max[b]	Mean[c]	ESV	Units	Reference[d]	Exceedance	Rationale
SVOCs	Benzo(A)Anthracene[e]	µg/kg	18	11	5.0	3700	336	330	µg/kg	EPA R4 ESV	2	Max > ESV
SVOCs	Benzo(B)Fluoranthene[e]	µg/kg	18	12	7.0	3600	370	10400	µg/kg	EPA R5 ESL	0	Non-Detect
SVOCs	Benzo(G,H,I)Perylene[e]	µg/kg	18	11	5.0	1700	176	170	µg/kg	EPA R5 ESL	2	Max > ESV
SVOCs	Benzo(K)Fluoranthene[e]	µg/kg	18	10	5.0	1600	152	240	µg/kg	EPA R5 ESL	2	Max > ESV
SVOCs	Benzo[A]Pyrene[e]	µg/kg	18	12	6.0	2800	273	330	µg/kg	EPA R4 ESV	2	Max > ESV
SVOCs	Benzyl Alcohol	µg/kg	18	0			149	1.04	µg/kg	EPA R5 ESL		Non-Detect
SVOCs	Biphenyl	µg/kg	18	1	26	26	15.72	1220	µg/kg	EPA R3 BTAG	0	Max < ESV
SVOCs	Bis(2-Chloroethoxy)Methane	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	Bis(2-Chloroethyl)Ether	µg/kg	18	0	—	—	14.89	3520	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Bis(2-Chloroisopropyl)Ether	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	Bis(2-Ethylhexyl)Phthalate	µg/kg	18	0	—	—	59.2	182	µg/kg	EPA R4 ESV	—	Non-Detect
SVOCs	Butyl Benzyl Phthalate	µg/kg	18	0	—	—	59.2	1970	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Chlorobenzilate	µg/kg	18	0	—	—	29.7	860	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Chrysene[e]	µg/kg	18	11	7.0	3600	324	330	µg/kg	EPA R4 ESV	2	Max > ESV
SVOCs	Diallate	µg/kg	18	0	—	—	29.7	—	—	—	—	Non-Detect
SVOCs	Dibenz(A,H)Anthracene[e]	µg/kg	18	3	14	390	45.4	33	µg/kg	EPA R5 ESL	2	Max > ESV
SVOCs	Dibenzofuran	µg/kg	18	2	120	180	30.4	449	µg/kg	EPA R5 ESL	0	Max < ESV
SVOCs	Diethyl Phthalate	µg/kg	18	0	—	—	59.2	295	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Dimethoate	µg/kg	18	0	—	—	148.9	—	—	—	—	Non-Detect
SVOCs	Dimethyl Phthalate	µg/kg	18	0	—	—	59.2	530	µg/kg	Washington MAEL	—	Non-Detect
SVOCs	Di-N-Butyl Phthalate	µg/kg	18	0	—	—	59.2	1114	µg/kg	EPA R4 ESV	—	Non-Detect
SVOCs	Diphenyl Ether	µg/kg	18	2	96	700	56.3	23600	µg/kg	DuPont ETC	0	Max < ESV
SVOCs	Ethyl Methanesulfonate	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	Fluoranthene[e]	µg/kg	18	13	6.0	7100	668	330	µg/kg	EPA R4 ESV	2	Max > ESV
SVOCs	Fluorene[e]	µg/kg	18	4	6.0	490	48.5	330	µg/kg	EPA R4 ESV	1	Max > ESV
SVOCs	Hexachlorobenzene	µg/kg	18	0	—	—	2.92	20	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Hexachlorobutadiene	µg/kg	18	0	—	—	14.89	26.5	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Hexachlorocyclopentadiene	µg/kg	18	0	—	—	148.9	901	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Hexachloroethane	µg/kg	18	0	—	—	29.7	584	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Hexachloropropylene	µg/kg	18	0	—	—	88.1	—	—	—	—	Non-Detect
SVOCs	Indeno (1,2,3-CD) Pyrene[e]	µg/kg	18	9	5.0	1600	162.3	200	µg/kg	EPA R5 ESL	2	Max > ESV
SVOCs	Isodrin	µg/kg	18	0	—	—	14.89	55.2	µg/kg	EPA R5 ESL		Non-Detect
SVOCs	Isophorone	µg/kg	18	0	—	—	14.89	432	µg/kg	EPA R5 ESL		Non-Detect
SVOCs	Isosafrole	µg/kg	18	0	—	—	59.2	—	—	—		Non-Detect

Table 23
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Category	Analyte	Units	N	Detects	Min[a]	Max[b]	Mean[c]	ESV	Units	Reference[d]	Exceedance	Rationale
SVOCs	Methapyrilene	µg/kg	18	0	—	—	1489	—	—	—		Non-Detect
SVOCs	Methyl Methanesulfonate	µg/kg	18	0	—	—	29.7	—	—	—		Non-Detect
SVOCs	Naphthalene	µg/kg	18	3	28	58	9.31	330	µg/kg	EPA R5 ESL	0	Max < ESV
SVOCs	N-Dioctyl Phthalate	µg/kg	18	0	—	—	59.2	40600	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Nitrobenzene	µg/kg	18	0	—	—	14.89	145	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	N-Nitroso(Methyl)Ethylamine	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	N-Nitrosodiethylamine	µg/kg	18	0	—	—	14.89	22.8	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	N-Nitrosodimethylamine	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	N-Nitroso-Di-N-Butylamine	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	N-Nitrosodi-N-Propylamine	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	N-Nitrosodiphenylamine	µg/kg	18	0	—	—	14.89	2680	µg/kg	EPA R3 BTAG	—	Non-Detect
SVOCs	N-Nitrosomorpholine	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	N-Nitrosopiperidine	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	N-Nitrosopyrrolidine	µg/kg	18	0	—	—	14.89	—	—	—	—	Non-Detect
SVOCs	O,O,O-Triethylphosphorothioate	µg/kg	18	0	—	—	59.2	189	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	O-Toluidine	µg/kg	18	0	—	—	178.6	—	—	—	—	Non-Detect
SVOCs	para-Phenylenediamine	µg/kg	18	0	—	—	10389	—	—	—	—	Non-Detect
SVOCs	Pentachlorobenzene	µg/kg	18	0	—	—	14.89	24	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Pentachloronitrobenzene	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	Pentachlorophenol	µg/kg	18	0	—	—	29.69	23000	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Phenacetin	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	Phenanthrene[e]	µg/kg	18	11	7.0	5200	461.5	330	µg/kg	EPA R4 ESV	2	Max > ESV
SVOCs	Phenol	µg/kg	18	0	—	—	14.89	49.1	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Pronamide	µg/kg	18	0	—	—	29.7	—	—	—	—	Non-Detect
SVOCs	Pyrene[e]	µg/kg	18	13	5.0	5000	491	195	µg/kg	EPA R5 ESL	2	Max > ESV
SVOCs	Pyridine	µg/kg	18	0	—	—	59.2	106	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Safrole	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
SVOCs	Tetraethyl Dithiopyrophosphate	µg/kg	18	0	—	—	59.2	560	µg/kg	EPA R5 ESL	—	Non-Detect
SVOCs	Thionazin	µg/kg	18	0	—	—	59.2	—	—	—	—	Non-Detect
VOCs	1,1,1,2-Tetrachloroethane	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	1,1,1-Trichloroethane	µg/kg	18	0	—	—	0.83	213	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	1,1,2,2-Tetrachloroethane	µg/kg	18	0	—	—	0.83	850	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	1,1,2-Trichloroethane	µg/kg	18	0	—	—	0.83	518	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	1,1-Dichloroethane	µg/kg	18	1	9.0	9.0	1.139	0.575	µg/kg	EPA R5 ESL	1	Max > ESV
VOCs	1,1-Dichloroethene	µg/kg	18	1	8.0	8.0	1.083	19.4	µg/kg	EPA R5 ESL	0	Max < ESV

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Category	Analyte	Units	N	Detects	Min[a]	Max[b]	Mean[c]	ESV	Units	Reference[d]	Exceedance	Rationale
VOCs	1,2,3-Trichloropropane	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	1,2-Dibromo-3-Chloropropane	µg/kg	18	0	—	—	1.750	—	—	—	—	Non-Detect
VOCs	1,2-Dibromoethane (EDB)	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	1,2-Dichloroethane	µg/kg	18	0	—	—	0.83	260	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	1,2-Dichloropropane	µg/kg	18	0	—	—	0.83	333	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	2-Hexanone	µg/kg	18	0	—	—	2.58	58.2	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Acetone	µg/kg	18	18	9.0	280	72.5	9.9	µg/kg	EPA R5 ESL	17	Max > ESV
VOCs	Acetonitrile	µg/kg	18	0	—	—	22.1	56	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Acrolein	µg/kg	18	0	—	—	17.75	0.00152	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Acrylonitrile	µg/kg	18	0	—	—	3.53	1.2	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Allyl Chloride	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	Benzene	µg/kg	18	0	—	—	0.43	142	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Bromodichloromethane	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	Bromoform	µg/kg	18	0	—	—	0.83	492	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Carbon Disulfide	µg/kg	18	5	2.0	44	3.47	23.9	µg/kg	EPA R5 ESL	1	Max > ESV
VOCs	Carbon Tetrachloride	µg/kg	18	0	—	—	0.83	1450	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Chlorobenzene	µg/kg	18	0	—	—	0.83	291	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Chlorodibromomethane	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	Chloroform	µg/kg	18	0	—	—	0.83	121	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Chloroprene	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	cis-1,2 Dichloroethene	µg/kg	18	1	9.0	9.0	1.139	654	µg/kg	EPA R5 ESL	0	Max < ESV
VOCs	cis-1,3-Dichloropropene	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	Dichlorodifluoromethane	µg/kg	18	0	—	—	1.750	—	—	—	—	Non-Detect
VOCs	Ethyl Chloride	µg/kg	18	0	—	—	1.750	—	—	—	—	Non-Detect
VOCs	Ethyl Methacrylate	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	Ethylbenzene	µg/kg	18	0	—	—	0.83	175	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Iodomethane	µg/kg	18	2	6.0	14.0	3.53	—	—	—	—	No ESV
VOCs	Isobutyl Alcohol	µg/kg	18	0	—	—	88.1	—	—	—	—	Non-Detect
VOCs	Methacrylonitrile	µg/kg	18	0	—	—	4.39	—	—	—	—	Non-Detect
VOCs	Methyl Bromide	µg/kg	18	0	—	—	1.750	1.37	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Methyl Chloride	µg/kg	18	0	—	—	1.750	—	—	—	—	Non-Detect
VOCs	Methyl Ethyl Ketone	µg/kg	18	3	11	27	5.75	42.4	µg/kg	EPA R5 ESL	0	Max < ESV
VOCs	Methyl Isobutyl Ketone	µg/kg	18	0	—	—	2.58	25.1	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Methyl Methacrylate	µg/kg	18	0	—	—	0.83	168	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Methylene Bromide	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	Methylene Chloride	µg/kg	18	0	—	—	1.75	159	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Pentachloroethane	µg/kg	18	0	—	—	0.833	689	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Propionitrile	µg/kg	18	0	—	—	26.3	—	—	—	—	Non-Detect

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Category	Analyte	Units	N	Detects	Min[a]	Max[b]	Mean[c]	ESV	Units	Reference[d]	Exceedance	Rationale
VOCs	Styrene	µg/kg	18	0	—	—	0.83	254	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Tetrachloroethene	µg/kg	18	0	—	—	0.83	990	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Toluene	µg/kg	18	2	1.0	3.0	1.000	1220	µg/kg	EPA R5 ESL	0	Max < ESV
VOCs	trans-1,2-Dichloroethene	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	trans-1,3-Dichloropropene	µg/kg	18	0	—	—	0.83	—	—	—	—	Non-Detect
VOCs	trans-1,4-Dichlorobutene-2	µg/kg	18	0	—	—	8.81	—	—	—	—	Non-Detect
VOCs	Trichloroethene	µg/kg	18	0	—	—	0.83	112	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Trichlorofluoromethane	µg/kg	18	0	—	—	1.750	—	—	—	—	Non-Detect
VOCs	Vinyl Acetate	µg/kg	18	0	—	—	1.750	13	µg/kg	EPA R5 ESL	—	Non-Detect
VOCs	Vinyl Chloride	µg/kg	18	1	10	10	1.194	202	µg/kg	EPA R5 ESL	0	Max < ESV
SVOCs	Total PAHs	µg/kg	18	—	32	19384	1860	1684	µg/kg	EPA R4 ESV	2	Max > ESV

Notes:
µg/kg, microgram per kilogram; mg/kg, milligram per kilogram; ESV, Ecological screening value; (S)VOCs, (Semi-)Volatile organic compounds
[a] - Minimum of detected values
[b] - Maximum of detected values
[c] - Arithmetic mean of all data. Half of method detection limit used for non-detects.
[d] - Sources used are as follows;
- EPA R5 ESL, EPA Region 5 Ecological Screening Levels (USEPA, 2003a)
- EPA R4 ESV, EPA Region IV Ecological Screening Values (USEPA, 1995)
- EPA R3 BTAG, EPA Region III Biological Technical Assistance Group Freshwater Sediment Screening Benchmarks (EPA, 2006a)
- TX SQG, Texas Sediment Quality Guidelines (TNRCC, 2001)
- Dutch IV (Buchman, 2008)
- TEL, Threshold effects level (Buchman 2008)
- AET Marine, Apparent effects threshold (Buchman, 2008)
- Washington MAEL, Washington Minor Adverse Effect Level (WDE, 2001)

Yellow	- COPECS identified based on Max > ESV
Green	- COPECs identified based on detects and No ESV

[e] - Evaluated as a mixture [Total Polycyclic Aromatic Hydrocarbons (PAHs)]

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Category	Analyte	Units	N	Detects	Min[a]	Max[b]	Mean[c]	ESV	Units	Reference[d]	Exceedance Frequency	HQ_{Mean}	Comments
Metals	Iron	mg/L	17	17	1.98E-01	1.47E+01	1.52E+00	1.00E+00	mg/L	NC2B Standards	17.6% (3/17)	1.52	Limited Exceedance (3/17), Limited Bioavailability, and Background Contribution
Metals	Manganese	mg/L	17	17	2.70E-03	6.88E+00	5.20E-01	1.20E-01	mg/L	EPA R3 BTAG	29.4% (5/17)	4.33	Background Contribution and Over-protective ESV

Notes:
mg/L - milligram per liter; ESV - ecological screening value; SVOCs - semi-volatile organic compounds
[a] - Minimum of detected values
[b] - Maximum of detected values
[c] - Arithmetic mean of all data. Half of method detection limit used for non-detects.
[d] - Sources used are as follows;
- NC2B Standards (NCDENR 2007)
- EPA R3 BTAG, EPA Region III Biological Technical Assistance Group (EPA 2006)
- HQ_{MEAN} = Mean Detected Concentration/ESV

Table 25
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Category	Analyte	Units	N	Detects	Min[a]	Max[b]	Mean[c]	ESV	Units	Reference[d]	Exceedance Frequency	HQ_{Mean}	Comments
Metals	Beryllium	mg/kg	18	18	0.08	2.62	0.67	—	—	—	—	—	No ESV, but Comparable to Background
Metals	Iron	mg/kg	18	18	1860	72700	10654	20000	mg/kg	EPA R3 BTAG	5.5% (1/18)	0.5	Limited Exceedance (1/18) and Limited Bioavailability
Metals	Lead	mg/kg	18	18	1.35	49.8	8.56	35.8*	mg/kg	TCEQ 2014	5.5% (1/18)	0.2	Limited Exceedance (1/18) and Limited Bioavailability
Metals	Manganese	mg/kg	18	18	21	5760	554	460	mg/kg	EPA R3 BTAG	16.7% (3/18)	1.2	Limited Exceedance (3/18) and Limited Bioavailability
Metals	Selenium	mg/kg	18	11	0.13	2.29	0.35	2	mg/kg	EPA R3 BTAG	5.5% (1/18)	0.2	Limited Exceedance (1/18) and Limited Bioavailability
Metals	Silver	mg/kg	18	3	0.75	15.3	1.10	2	mg/kg	EPA R4 ESV	5.5% (1/18)	0.5	Limited Exceedance (1/18) and Limited Bioavailability
Metals	Thallium	mg/kg	18	15	0.04	1.8	0.24	—	—	—	—	—	No ESV, but Comparable to Background
Metals	Tin	mg/kg	18	18	1.6	6.4	2.96	—	—	—	—	—	No ESV, but Comparable to Background
VOCs	1,1-Dichloroethane	µg/kg	18	1	9.0	9	1.139	2570*	µg/kg	TCEQ 2014	0% (0/18)	0.0	Max < Alternate ESV
VOCs	Acetone	µg/kg	18	18	9.0	280	72.5	60003*	µg/kg	TCEQ 2014	0% (0/18)	0.0	Max < Alternate ESV
VOCs	Carbon Disulfide	µg/kg	18	5	2.0	44	3.47	105*	µg/kg	TCEQ 2014	0% (0/18)	0.0	Max < Alternate ESV
VOCs	Iodomethane	µg/kg	18	2	6.0	14	3.53	—	—	—	—	—	No ESV, but Limited Detection
SVOCs	Total PAHs	µg/kg	18	—	32.0	19384	1860	1684	µg/kg	EPA R4 ESV	11.1% (2/18)	1.1	Limited Exceedance

Notes:
µg/kg - microgram per kilogram; mg/kg - milligram per kilogram; ESV - ecological screening value; (S)VOCs - (semi-)volatile organic compounds
[a] - Minimum of detected values
[b] - Maximum of detected values
[c] - Arithmetic mean of all data. Half of method detection limit used for non-detects.
[d] - Sources used are as follows;
- EPA R4 ESV, EPA Region IV Ecological Screening Values (EPA 2001)
- EPA R3 BTAG, EPA Region III Biological Technical Assistance Group Freshwater Sediment Screening Benchmarks (EPA 2006)
- TEL, Threshold effects level (Buchman 2008)
- TCEQ, Texas Commission for Environmental Quality (TCEQ 2014)
* - Alternate ESVs identified for Step 2 Refinement
- HQ_{MEAN} = Mean Detected Concentration/ESV

Table 26
Constituents of Potential Concern in Water Supply Wells
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Groundwater COPCs[1]	CAS No.	Surficial Aquifer	WSW	Bedrock	ACL (ug/L)[2]	Site-Wide Max Detect (ug/L)[3]	Perimter Max Detect (ug/L)[4]
Volatile Organic Compounds							
1,1,2,2-Tetrachloroethane	79-34-5	X			2.00E+03	1.40E+00	9.00E-01
1,1,2-Trichloroethane	79-00-5	X			8.00E+03	9.00E-01	ND
1,2-Dichloroethane	107-06-2	X			1.85E+04	1.30E+00	3.00E-01
Benzene	71-43-2	X			2.55E+04	5.00E-01	5.00E-01
Carbon Tetrachloride	56-23-5	X			8.00E+02	6.00E-01	6.00E-01
Chloroform	67-66-3		X		1.40E+04	4.90E+00	4.90E+00
cis-1,2 Dichloroethene	156-59-2	X			2.95E+05	1.10E+02	2.60E+00
Tetrachloroethene	127-18-4	X		X	1.65E+03	8.70E+01	4.30E+00
Trichloroethene	79-01-6	X	X	X	1.50E+04	2.90E+01	2.90E+01
Vinyl Chloride	75-01-4	X	X		1.20E+03	1.20E+02	1.60E+00
Semivolatile Organic Compounds							
1,4-Dioxane	123-91-1	X		X	4.00E+04	1.30E+01	1.30E+01
Dowtherm Constituents							
Biphenyl	92-52-4	X			6.94E+03	1.10E+03	6.70E+01
Diphenyl Ether	101-84-8	X			1.60E+04	3.10E+03	2.00E+02
Inorganics							
Antimony	7440-36-0		X		1.50E+04	4.00E-01	ND
Arsenic	7440-38-2	X			5.00E+03	3.30E+00	1.50E-03
Beryllium	7440-41-7	X			3.25E+03	2.10E+00	1.90E-03
Cadmium	7440-43-9	X			2.00E+02	1.80E+00	1.80E-03
Chromium	7440-47-3	X			2.50E+04	1.45E+01	1.45E-02
Cobalt	7440-48-4	X			2.00E+03	2.63E+01	2.63E-02
Iron	7439-89-6	X	X	X	5.00E+05	8.65E+04	5.56E+01
Lead	7439-92-1	X		X	7.50E+03	6.30E+00	3.20E-03
Manganese	7439-96-5	X		X	6.00E+04	8.24E+03	7.36E+00
Vanadium	7440-62-2	X	X		1.00E+04	7.80E+00	5.90E-03

COPC = Constituent of Potential Concern
ACL = Alternate Concentration Limit
ND = Not detected

Notes:
1 - Constituents identified as COPCs for ACL derivation (URS, 2014). Aquifer designation shown based on historic screening presented in URS, 2014.
2 - Proposed ACL is the limiting water quality criterion with an applied attenuation factor of 500; with the exception of values in excess of solubility, which are set at the solubility limit.
3 - Site-wide maximum detected concentration during 2014-2015 monitoring events.
4 - Surficial and bedrock aquifer perimeter monitoring wells (BR-1, BR-3, BR-5, BR-9, BR-11, MW104A/B, MW105, MW106A/B, MW107A/B, MW108, MW111A/B, MW112A/B, MW207A/B, MW210A/B, MW213, MW214, MW215, MW301A/B, MW302A/B, R87-S8, R87-S9 and R87-S10) .

Table 27
Constituents of Potential Concern in Water Supply Wells
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Cedar Mountain, NC

Analyte[1]	RL (mg/kg)[2]	Maximum Detect (mg/kg)[3]	No. of Samples	No. of Detects Above RL[3]	Associated Unit(s)[3]	Unit Distance to Little River (Feet)[4]	Detected in POC Monitoring Wells Above ACLs?[5]	Detected in Little River or DERA Creek Pore Water Above NC 2B?[6]	Detected in Little River or DERA Creek Surface Water Above NC 2B?[7]
Volatile Organic Compounds									
1,1,2,2-Tetrachloroethane	1.18E+01	2.20E+02	96	4	SWMUs 13, 16	900 (SWMU 16)	No	No	No
1,1,2-Trichloroethane	4.22E+01	3.60E+00	96	0	SWMUs 13, 16	900 (SWMU 16)	No	No	No
1,2-Dichloroethane	9.02E+01	5.50E-01	96	0	SWMU 13	1680 (SWMU 13)	No	No	No
Benzene	1.86E+02	2.10E+00	96	0	No release to gw indicated	-	No	No	No
cis-1,2 Dichloroethene	1.50E+03	1.00E+02	96	0	SWMUs 13, 16	900 (SWMU 16)	No	No	No
Tetrachloroethene	1.18E+01	6.80E+01	96	3	SWMU 16	900 (SWMU 16)	No	No	No
Trichloroethene	8.87E+01	7.10E+01	96	0	SWMUs 13, 16	900 (SWMU 16)	No	No	No
Vinyl Chloride	7.69E+00	1.00E-03	96	0	-	-	No	No	No
Dowtherm Constituents									
Biphenyl	7.40E+02	5.10E+03	72	3	SWMUs 13, 16	900 (SWMU 16)	No	No	No
Diphenyl Ether	8.96E+02	1.30E+04	72	6	SWMUs 13, 16; AOCs I and J	Varies	No	No	No

Notes:
mg/kg3 - milligram(s) per kilogram, RL - reporting limit
1 - COPCs identified in Table 11.
2 - RL for Protection of Migration to Groundwater (URS, 2014)
3 - Detects in surface, subsurface soil and waste material above RLs. SWMU 17 data excluded from the evaluation.
4 - Distance measured from unit to Little River. With exception of SWMU 18, groundwater flows from these units towards Little River. SWMU 18 is cross-gradient to DERA Creek.
5 - Groundwater comparison detailed in Table 26.
6 - Pore water data provided in Table 20.
7 - Surface water data provided in Table 17.

Table 28
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Surface Soil Direct Contact Remedial Levels (RLs)

			Target Risk 1 x 10^{-6}, HQ=1				Target Risk 1 x 10^{-5}, HQ=1				Target Risk 1 x 10^{-4}, HQ=1			
Analyte	**CAS No.**	**Units**	**Forest Ranger**	**National Guard**	**Utility Worker**	**Trail User (Adult/Child)**	**Forest Ranger**	**National Guard**	**Utility Worker**	**Trail User (Adult/Child)**	**Forest Ranger**	**National Guard**	**Utility Worker**	**Trail User (Adult/Child)**
Antimony	7440-36-0	mg/kg	6.49E+02	2.49E+03	3.54E+03	4.06E+02	6.49E+02	2.49E+03	3.54E+03	4.06E+02	6.49E+02	2.49E+03	3.54E+03	4.06E+02
Cobalt	7440-48-4	mg/kg	4.82E+02	1.81E+03	2.65E+03	3.04E+02	4.82E+02	1.81E+03	2.65E+03	3.04E+02	4.82E+02	1.81E+03	2.65E+03	3.04E+02
Silver	7440-22-4	mg/kg	8.11E+03	3.11E+04	4.42E+04	5.07E+03	8.11E+03	3.11E+04	4.42E+04	5.07E+03	8.11E+03	3.11E+04	4.42E+04	5.07E+03
Thallium	7440-28-0	mg/kg	1.62E+01	6.21E+01	8.85E+01	1.01E+01	1.62E+01	6.21E+01	8.85E+01	1.01E+01	1.62E+01	6.21E+01	8.85E+01	1.01E+01
Vanadium	7440-62-2	mg/kg	8.03E+03	3.02E+04	4.41E+04	5.07E+03	8.03E+03	3.02E+04	4.41E+04	5.07E+03	8.03E+03	3.02E+04	4.41E+04	5.07E+03
3-Methylcholanthrene	56-49-5	mg/kg	1.46E-01	1.21E+00	8.56E-01	7.02E-02	1.46E+00	1.21E+01	8.56E+00	7.02E-01	1.46E+01	1.21E+02	8.56E+01	7.02E+00
7,12-Dimethylbenz[A]Anthracene	57-97-6	mg/kg	1.18E-02	9.24E-02	7.03E-02	5.79E-03	1.18E-01	9.24E-01	7.03E-01	5.79E-02	1.18E+00	9.24E+00	7.03E+00	5.79E-01
Benzo(a)anthracene	56-55-3	mg/kg	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01	4.04E+02	3.16E+03	2.41E+03	1.98E+02
Benzo(b)fluoranthene	205-99-2	mg/kg	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01	4.04E+02	3.16E+03	2.41E+03	1.98E+02
Benzo(k)fluoranthene	207-08-9	mg/kg	4.04E+01	3.16E+02	2.41E+02	1.98E+01	4.04E+02	3.16E+03	2.41E+03	1.98E+02	4.04E+03	3.16E+04	2.41E+04	1.98E+03
Benzo[a]pyrene	50-32-8	mg/kg	4.04E-01	3.16E+00	2.41E+00	1.98E-01	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01
Biphenyl	92-52-4	mg/kg	2.99E+02	3.82E+02	3.10E+03	1.13E+03	2.99E+02	3.82E+02	5.38E+03	1.99E+03	2.99E+02	3.82E+02	5.38E+03	1.99E+03
Chrysene	218-01-9	mg/kg	4.04E+02	3.16E+03	2.41E+03	1.98E+02	4.04E+03	3.16E+04	2.41E+04	1.98E+03	4.04E+04	3.16E+05	2.41E+05	1.98E+04
Dibenz(a,h)anthracene	53-70-3	mg/kg	4.04E-01	3.16E+00	2.41E+00	1.98E-01	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01
Indeno (1,2,3-CD) Pyrene	193-39-5	mg/kg	4.04E+00	3.16E+01	2.41E+01	1.98E+00	4.04E+01	3.16E+02	2.41E+02	1.98E+01	4.04E+02	3.16E+03	2.41E+03	1.98E+02
Naphthalene	91-20-3	mg/kg	2.50E+01	9.97E+01	4.50E+02	1.60E+02	2.50E+02	9.97E+02	4.50E+03	1.60E+03	8.73E+02	1.14E+03	1.45E+04	4.32E+03
PCB 1242	53469-21-9	mg/kg	1.43E+00	1.11E+01	8.59E+00	3.16E+00	1.43E+01	*	8.59E+01	3.16E+01	*	*	*	*

*Consistent with TSCA self-implementing cleanup as defined in 40 CFR 761.61(a)4 , calculated risk-based concentrations in excess of 100 mg/kg were not considered

Table 28
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Subsurface Soil Direct Contact Remedial Levels (RLs)

			Target Risk 1×10^{-6}, HQ=1	Target Risk 1×10^{-5}, HQ=1	Target Risk 1×10^{-4}, HQ=1	
Analyte	**CAS No.**	**Units**	**Utility Worker**	**Utility Worker**	**Utility Worker**	
Antimony	7440-36-0	mg/kg	3.54E+03	3.54E+03	3.54E+03	
Arsenic	7440-38-2	mg/kg	2.38E+01	2.38E+02	2.38E+03	
Cobalt	7440-48-4	mg/kg	2.65E+03	2.65E+03	2.65E+03	
Nickel	7440-02-0	mg/kg	1.00E+05	1.00E+05	1.00E+05	**
Silver	7440-22-4	mg/kg	4.42E+04	4.42E+04	4.42E+04	
Thallium	7440-28-0	mg/kg	8.85E+01	8.85E+01	8.85E+01	
Vanadium	7440-62-2	mg/kg	4.41E+04	4.41E+04	4.41E+04	
Zinc	7440-66-6	mg/kg	1.00E+05	1.00E+05	1.00E+05	**
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	5.08E+01	5.08E+02	5.08E+03	
1,1,2-Trichloroethane	79-00-5	mg/kg	1.11E+02	1.69E+02	1.69E+02	
1,2-Dichloroethane	107-06-2	mg/kg	4.78E+01	4.78E+02	3.52E+03	
1,2-Diphenylhydrazine	122-66-7	mg/kg	2.35E+01	2.35E+02	2.35E+03	
1-Methylnaphthalene	90-12-0	mg/kg	6.06E+02	6.06E+03	6.06E+04	
2-Methylnaphthalene	91-57-6	mg/kg	2.51E+04	2.51E+04	2.51E+04	
Benzene	71-43-2	mg/kg	1.12E+02	1.12E+03	9.25E+03	
Benzo(a)anthracene	56-55-3	mg/kg	2.41E+01	2.41E+02	2.41E+03	
Benzo(b)fluoranthene	205-99-2	mg/kg	2.41E+01	2.41E+02	2.41E+03	
Benzo[a]pyrene	50-32-8	mg/kg	2.41E+00	2.41E+01	2.41E+02	
Biphenyl	92-52-4	mg/kg	3.10E+03	5.38E+03	5.38E+03	
cis-1,2-Dichloroethene	156-59-2	mg/kg	1.77E+04	1.77E+04	1.77E+04	
Dibenzofuran	132-64-9	mg/kg	8.85E+03	8.85E+03	8.85E+03	
Diphenyl Ether	101-84-8	mg/kg	1.00E+05	1.00E+05	1.00E+05	**
Ethylbenzene	100-41-4	mg/kg	5.62E+02	5.62E+03	5.62E+04	
Naphthalene	91-20-3	mg/kg	4.50E+02	4.50E+03	1.45E+04	
Tetrachloroethene	127-18-4	mg/kg	2.38E+03	9.17E+03	9.17E+03	
Trichloroethene	79-0-16	mg/kg	1.34E+02	4.66E+02	4.66E+02	

** - A non-risk-based “ceiling limit” concentration of 10^5 mg/kg

Notes:
The RL shown for each receptor is the lower of the carcinogenic and non-carcinogenic values.
HQ = Hazard Quotient
mg/kg - milligrams per kilogram

Table 29
Constituents of Potential Concern in Water Supply Wells
Remedial Investigation Report
Former DuPont Brevard Facility
Cedar Mountain, NC

Analyte	Discrete Surface Soil Samples[1]				Min RL (mg/kg)	Max RL (mg/kg)	Max Detect > Min RL	Max Detect > Max RL	No. of Units Above Low End RL Range	95% UCL (mg/kg)	95% UCL > Low End RL Range	Min RL (mg/kg)	Max RL (mg/kg)	Max Detect > Min RL	Max Detect > Max RL	No. of Units Above Mid RL Range	95% UCL Above Mid RL Range	
	No. of Samples	No. of Detects	Minimum Detection (mg/kg)	Maximum Detection (mg/kg)	(HQ=1, 10^{-6} Risk)*							(HQ=1, 10^{-5} Risk)*						
Antimony	90	36	4.34E-01	1.48E+01	4.06E+02	3.54E+03	No	No	0			-	-	-	-	-	-	
Cobalt	90	90	1.73E+00	2.22E+01	3.04E+02	2.65E+03	No	No	0			-	-	-	-	-	-	
Silver	105	45	4.54E-01	5.67E+02	5.07E+03	4.42E+04	No	No	0			-	-	-	-	-	-	
Thallium	90	74	2.68E-01	4.93E+00	1.01E+01	8.85E+01	No	No	0			-	-	-	-	-	-	
Vanadium	90	90	9.19E+00	8.91E+02	5.07E+03	4.41E+04	No	No	0			-	-	-	-	-	-	
3-Methylcholanthrene	78	8	1.50E-01	1.62E+00	7.02E-02	1.21E+00	**Yes**	**Yes**	**2 (FMA, SWMU 16)**	1.17E-01	No	7.02E-01	1.21E+01	**Yes**	No	0	-	
7,12-Dimethylbenz[A]Anthracene	78	2	3.90E-02	5.70E+00	5.79E-03	9.24E-02	**Yes**	**Yes**	**2 (FMA, AOC A)**	NC	*No (See Note)*	5.79E-02	9.24E-01	**Yes**	**Yes**	**1 (AOC A)**	*No (See Note)*	(2)
Benzo(a)anthracene	83	59	5.60E-02	8.00E+01	1.98E+00	3.16E+01	**Yes**	**Yes**	**2 (FMA, SWMU 16)**	7.68E+00	No	1.98E+01	3.16E+02	**Yes**	No	0	-	
Benzo(b)fluoranthene	82	63	6.60E-02	8.30E+01	1.98E+00	3.16E+01	**Yes**	**Yes**	**2 (FMA, SWMU 16)**	8.12E+00	No	1.98E+01	3.16E+02	**Yes**	No	0	-	
Benzo(k)fluoranthene	83	58	8.90E-02	3.25E+01	1.98E+01	3.16E+02	**Yes**	No	0	NC	-	-	-	-	-	-	-	
Benzo[a]pyrene	83	63	5.40E-02	5.90E+01	1.98E-01	3.16E+00	**Yes**	**Yes**	**4 (FMA, AOC A, SWMUs 15 and 16)**	6.04E+00	**Yes**	1.98E+00	3.16E+01	**Yes**	**Yes**	**1 (SWMU 16)**	No	(3)
Biphenyl	76	21	6.90E-02	1.71E+02	2.99E+02	3.10E+03	No	No	0			-	-	-	-	-	-	
Chrysene	83	61	5.10E-02	7.40E+01	1.98E+02	3.16E+03	No	No	0			-	-	-	-	-	-	
Dibenz(a,h)anthracene	83	47	6.50E-02	7.70E+00	1.98E-01	3.16E+00	**Yes**	**Yes**	**2 (FMA, SWMU 16)**	8.66E-01	No	1.98E+00	3.16E+01	**Yes**	No	0	-	
Indeno (1,2,3-CD) Pyrene	83	60	8.60E-02	2.60E+01	1.98E+00	3.16E+01	**Yes**	No	0	NC		-	-	-	-	-	-	
Naphthalene	83	27	6.80E-02	3.53E+01	2.50E+01	4.50E+02	**Yes**	No	0	NC		-	-	-	-	-	-	
PCB 1242	8	0	ND	ND	1.43E+00	1.11E+01	-	-	-			-	-	-	-	-	-	

(1) Discrete historical RFI soil samples and 2014 soil samples. 2014 data from SWMU 14 excluded from the UCL calculation.
(2) Exceed limited to one historic soil sample at AOC A. COPC ND in 2014 ISM sampling (see DU-8).
(3) SWMU 16 exceed limited to one historic waste sample at a depth of 1-5 ft bgs. No exceeds of the lowest RLs noted in 2014 samples.

Table 29
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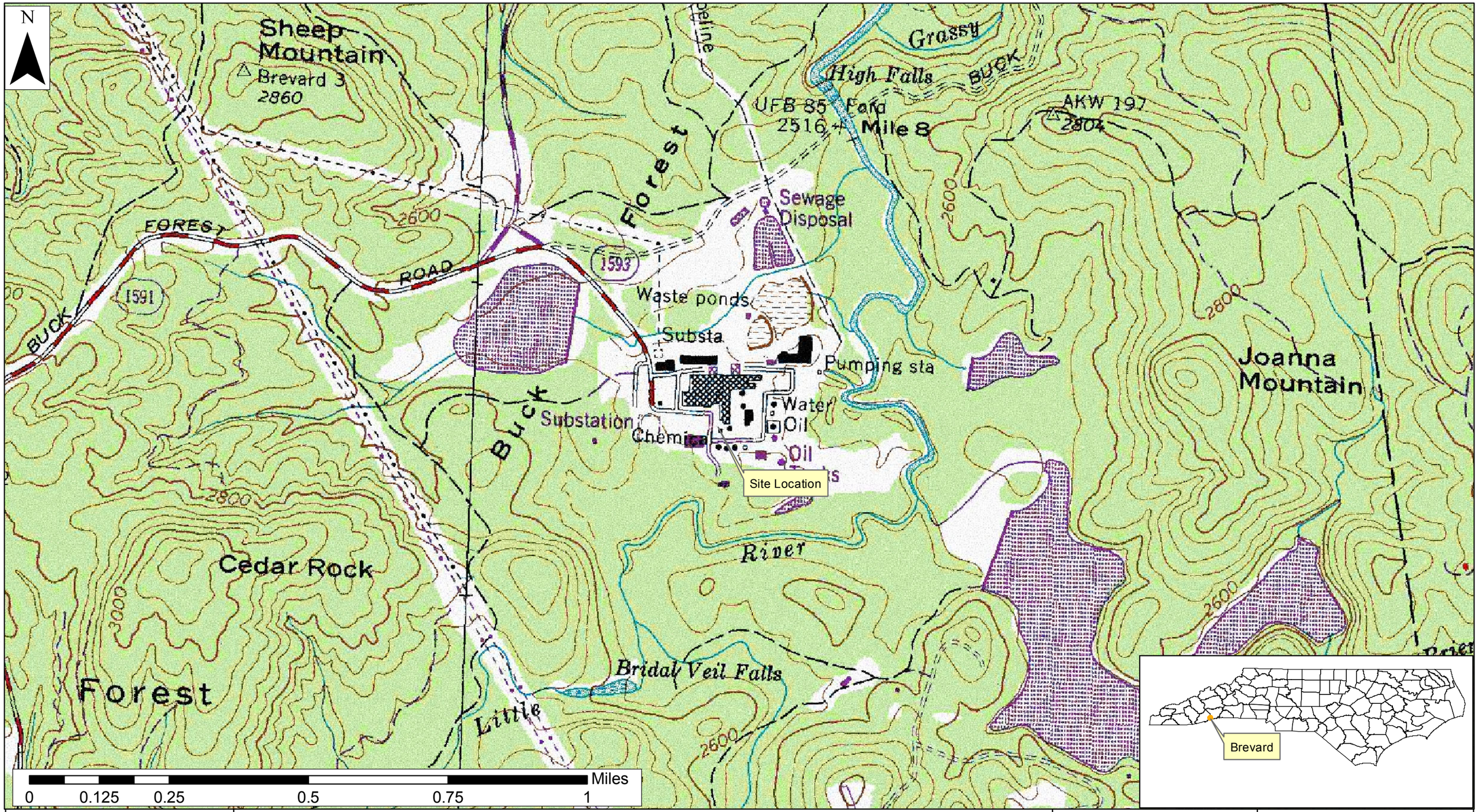
Analyte	ISM Samples				Min RL (mg/kg)	Max RL (mg/kg)	95% UCL > Min RL	95% UCL > Max RL	No. of Decision Units Above Low End RL Range	Min RL (mg/kg)	Max RL (mg/kg)	95% UCL > Min RL	95% UCL > Max RL	No. of Decision Units Above Mid RL Range
	No. of ISM Decision Units	No. of Decision Units with Detects	Minimum 95% UCL (mg/kg)	Maximum 95% UCL (mg/kg)	(HQ=1, 10^{-6} Risk)*					(HQ=1, 10^{-5} Risk)*				
Antimony	10	9	2.55E-01	2.12E+01	4.06E+02	3.54E+03	No	No	0	-	-	-	-	-
Cobalt	10	10	1.98E+00	5.43E+00	3.04E+02	2.65E+03	No	No	0	-	-	-	-	-
Silver	10	7	1.24E+00	2.25E+02	5.07E+03	4.42E+04	No	No	0	-	-	-	-	-
Thallium	10	10	2.93E-01	1.28E+00	1.01E+01	8.85E+01	No	No	0	-	-	-	-	-
Vanadium	10	10	1.70E+01	3.64E+01	5.07E+03	4.41E+04	No	No	0	-	-	-	-	-
3-Methylcholanthrene	10	2	1.14E-01	2.60E-01	7.02E-02	1.21E+00	**Yes**	No	0	-	-	-	-	-
7,12-Dimethylbenz[A]Anthracene	10	0	ND	ND	5.79E-03	9.24E-02	**-**	**-**	-	-	-	-	-	-
Benzo(a)anthracene	10	10	2.76E-02	2.55E+01	1.98E+00	3.16E+01	**Yes**	No	0	-	-	-	-	-
Benzo(b)fluoranthene	10	10	4.24E-02	2.90E+01	1.98E+00	3.16E+01	**Yes**	No	0	-	-	-	-	-
Benzo(k)fluoranthene	10	10	1.56E-02	1.08E+01	1.98E+01	3.16E+02	No	No	0	-	-	-	-	-
Benzo[a]pyrene	10	10	2.76E-02	2.09E+01	1.98E-01	3.16E+00	**Yes**	**Yes**	**2 (DU-6, DU-8)**	1.98E+00	3.16E+01	**Yes**	No	0
Biphenyl	10	5	3.27E-02	1.52E+00	2.99E+02	3.10E+03	No	No	0	-	-	-	-	-
Chrysene	10	10	3.42E-02	2.24E+01	1.98E+02	3.16E+03	No	No	0	-	-	-	-	-
Dibenz(a,h)anthracene	10	10	8.91E-03	3.18E+00	1.98E-01	3.16E+00	**Yes**	**Yes**	**1 (DU-6)**	1.98E+00	3.16E+01	**Yes**	No	0
Indeno (1,2,3-CD) Pyrene	10	10	2.08E-02	1.27E+01	1.98E+00	3.16E+01	**Yes**	No	0	-	-	-	-	-
Naphthalene	10	9	1.09E-02	9.80E+00	2.50E+01	4.50E+02	No	No	0	-	-	-	-	-
PCB 1242	10	1	5.18E+00	5.18E+00	1.43E+00	1.11E+01	**Yes**	No	0	-	-	-	-	-

FIGURES



E:\GIS\Brevard\Gis\Project_figures\2015\RemedialInvestigationReport\Bre_Topo_Site_LocFig1.mxd

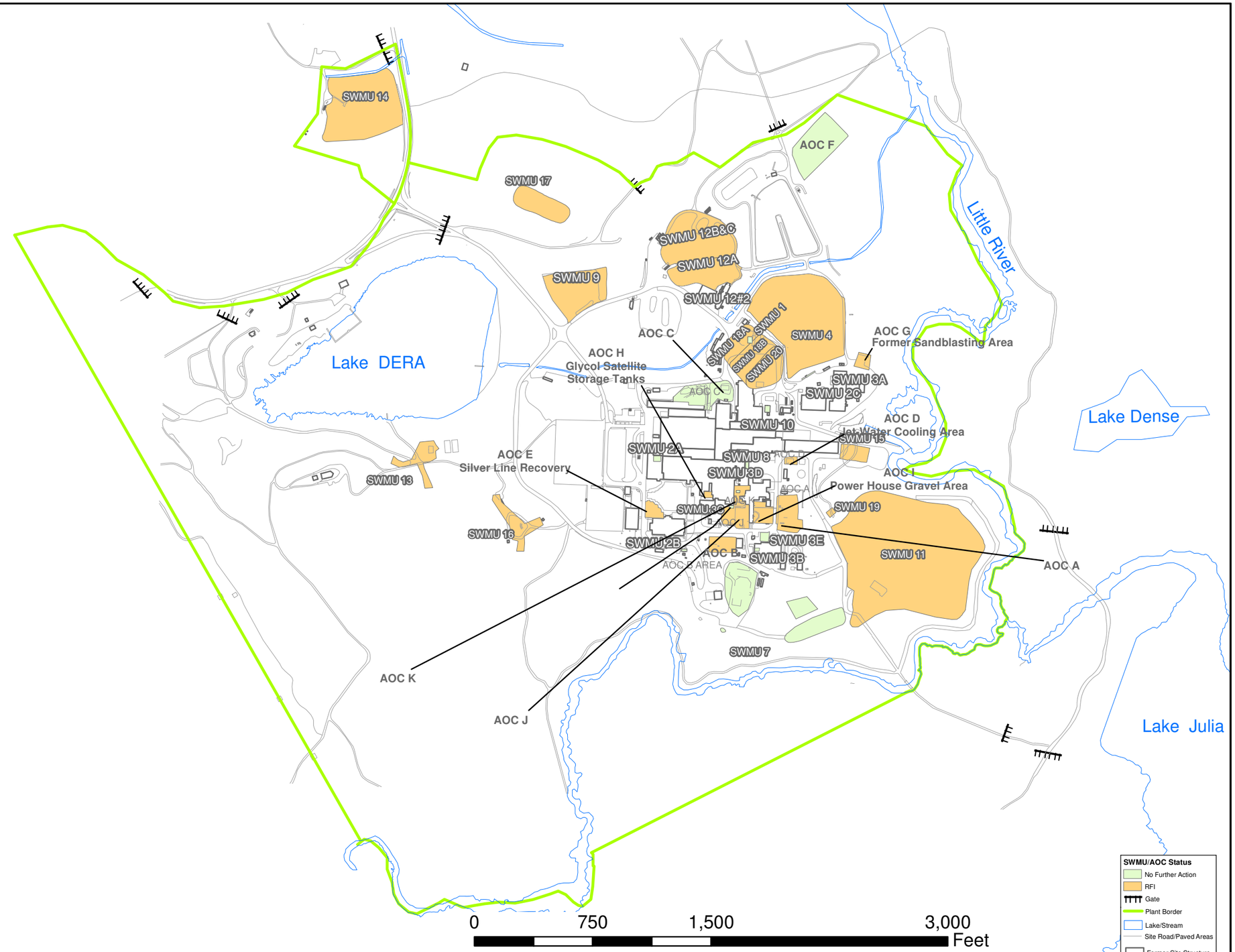
PARSONS

PE&I

4701 Hedgemore Dr.
Charlotte, NC 28209

Topographic Site Location Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Created: C. Oneal	DuPont Project Number: 4406
Date: 4/23/2015	Parsons Project Number: 447499.01020
Revision: 1	Figure Number: 1
File Name: Bre_Topo_Site_LocFig1	



SWMU/AOC	Description	Status
SWMU 1	Hazardous Waste Storage Pad	NFA
SWMU 2A	HW Satellite Accumulation Area	NFA
SWMU 2B	HW Satellite Accumulation Area	NFA
SWMU 2C	HW Satellite Accumulation Area	RFI
SWMU 3A	Waste Hydrocarbon Accumulation Areas	NFA
SWMU 3B	Waste Hydrocarbon Accumulation Areas	NFA
SWMU 3C	Waste Hydrocarbon Accumulation Areas	NFA
SWMU 3D	Waste Hydrocarbon Accumulation Areas	NFA
SWMU 3E	Waste Hydrocarbon Accumulation Areas	NFA
SWMU 4	WWTP - Aeration/settling basins, Emergency Diversion Basin, Secondary Clarifier, Polishing Pond	RFI
SWMU 5	Process Sewer System-Site Wide	RFI
SWMU 6	Storm Sewer System-Site Wide	RFI
SWMU 7	AFB Settling Basin	NFA
SWMU 8	PET Recycle Storage Area	NFA
SWMU 9	Former Silver Recovery Drying Bed	RFI
SWMU 10	Former Sedimentation Basin	NFA
SWMU 11	Former East Landfill	RFI
SWMU 12A-C	Former North Landfill	RFI
SWMU 13	Former Disposal Area - Tennis Courts	RFI
SWMU 14	Former Disposal Area 4 - West Landfill	RFI
SWMU 15	Former Silicon Disposal Area	RFI
SWMU 16	Former Disposal Area 6 - Equipment Sludge Disposal	RFI
SWMU 17	Former Power Hill Disposal Area	RFI
SWMU 18A & B	Former Disposal Area 8 - Evaporation Basin	RFI
SWMU 19	Former Disposal Area #12 - Digester Sludge Disposal Area	RFI
SWMU 20	Former WWTP Settling Pond	RFI
AOC A	Fuel Oil Tank Farm	RFI
AOC B	CP Tank Farm	RFI
AOC C	Save All System - Silver recovery unit	NFA
AOC D	Jet Water Cooling Tower	RFI
AOC E	Silver Recovery Transfer Line	RFI
AOC F	Construction and Demolition Disposal Area	NFA
AOC G	Former Sand Blasting Area	RFI
AOC H	Glycol Satellite Storage Tanks	RFI
AOC I	Powerhouse Gravel Area	RFI
AOC J	Dowtherm Vaporizers Area	RFI
AOC K	Glycol Hot Well Area	RFI

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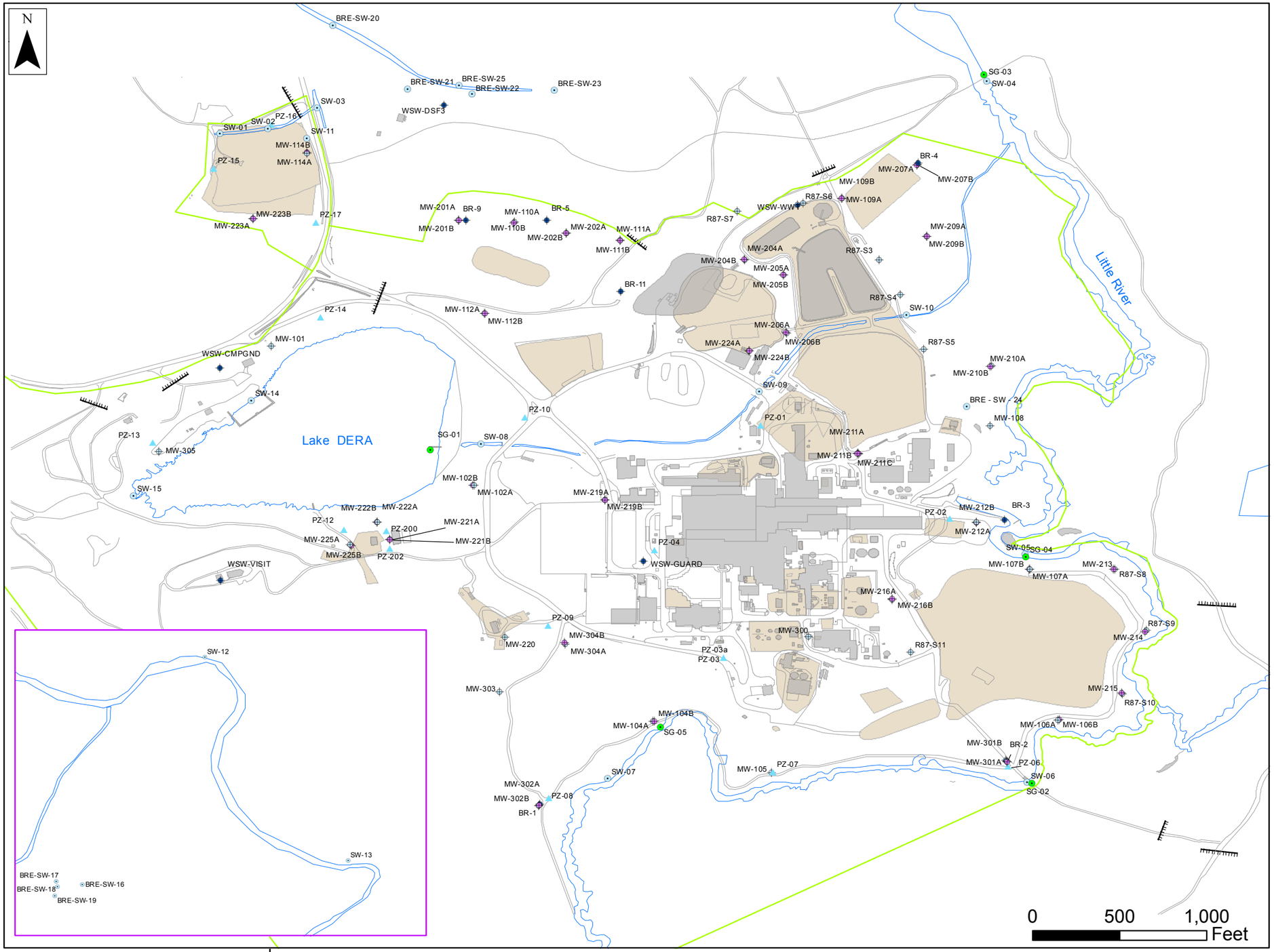
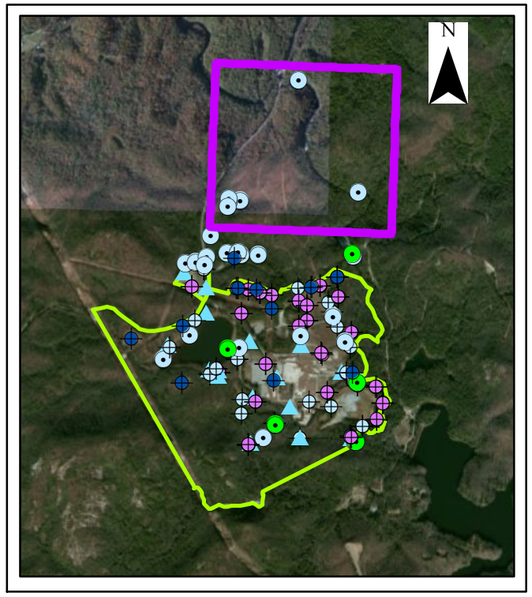
Site Layout Map with SWMUs and AOCs
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Created: C. Oneal	Date: 4/23/2015	DuPont Project No: 4423
Revision:	Figure: 2	Parsons Project No: 447499.01020
File Name: Bre_Site_Layout		





Bedrock Well
Residuum Deep Well
Piezometer
Residuum Shallow Well
Staff Guage
Surface Water
Site Road
Pavement/Curb
Gate
Plant Border
Lake/Stream
Former Site Structure
SWMU
Aerial Imagery Date: 2006

Water Supply Wells are prefixed by WSW

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Monitoring Well, Water Supply Well, and Piezometer Location Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Created: C. Oneal	Date: 4/23/2015	DuPont Project No: 4423
Revision:	Figure: 3	Parsons Project No: 447499.01020
File Name: Bre_mw_LocMap		

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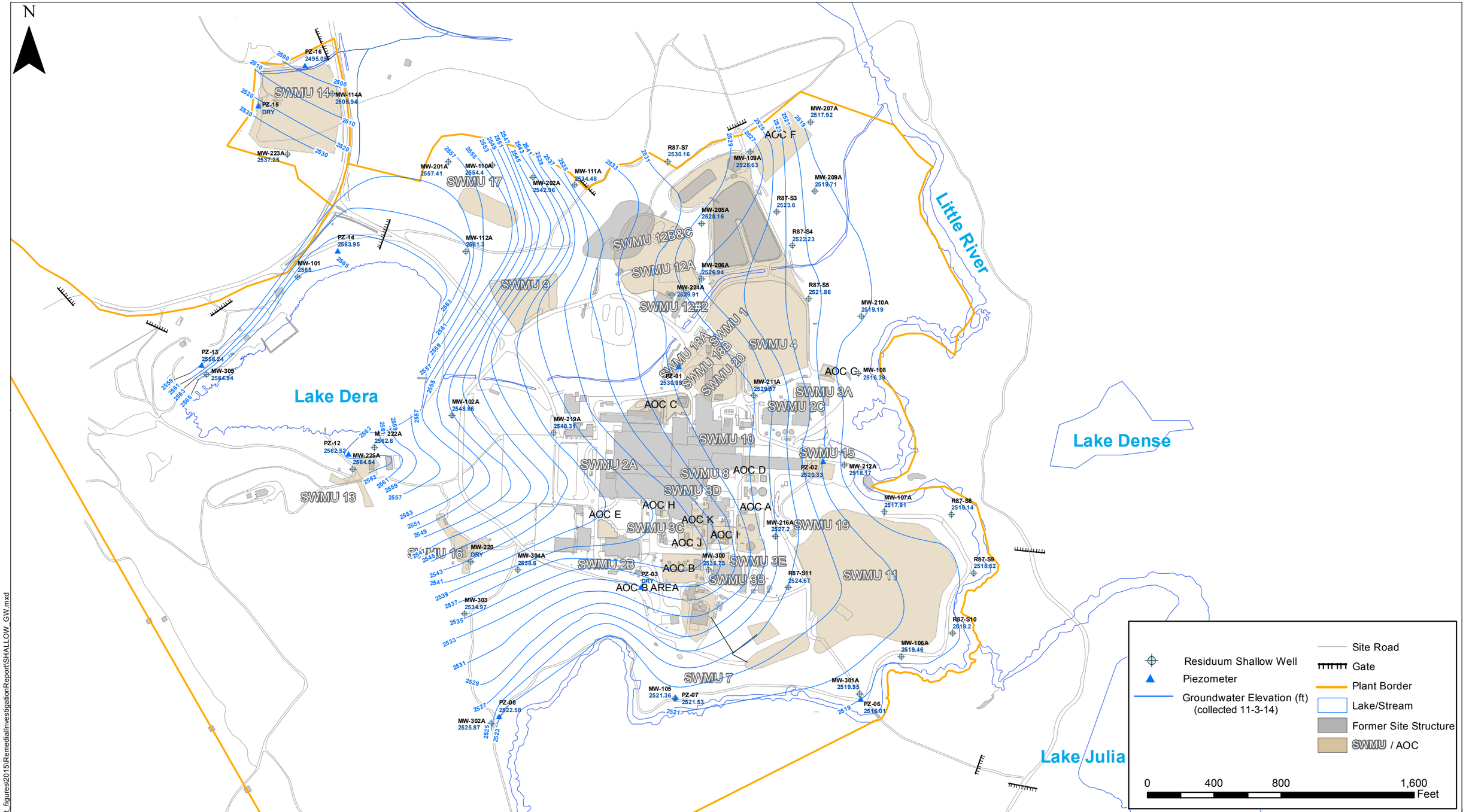

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Surficial Aquifer – Shallow Residuum Well Potentiometric Surface Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Drawn: C. Oneal	DuPont Project No.: 4406
Date: 4/23/2015	Parsons Project No.: 447499.01020
Revision:	Figure No.: 4
File Name: SHALLOW_GW	

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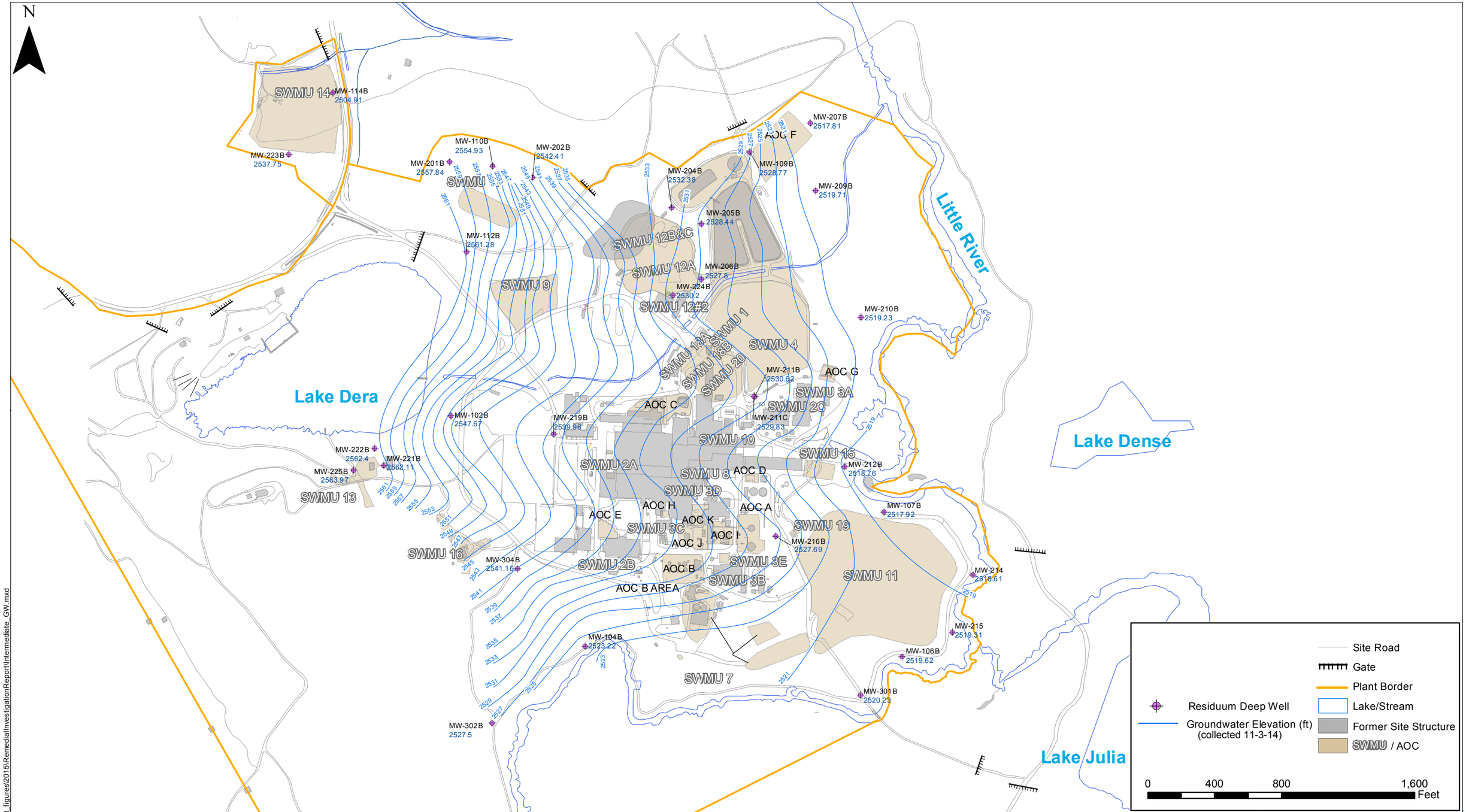

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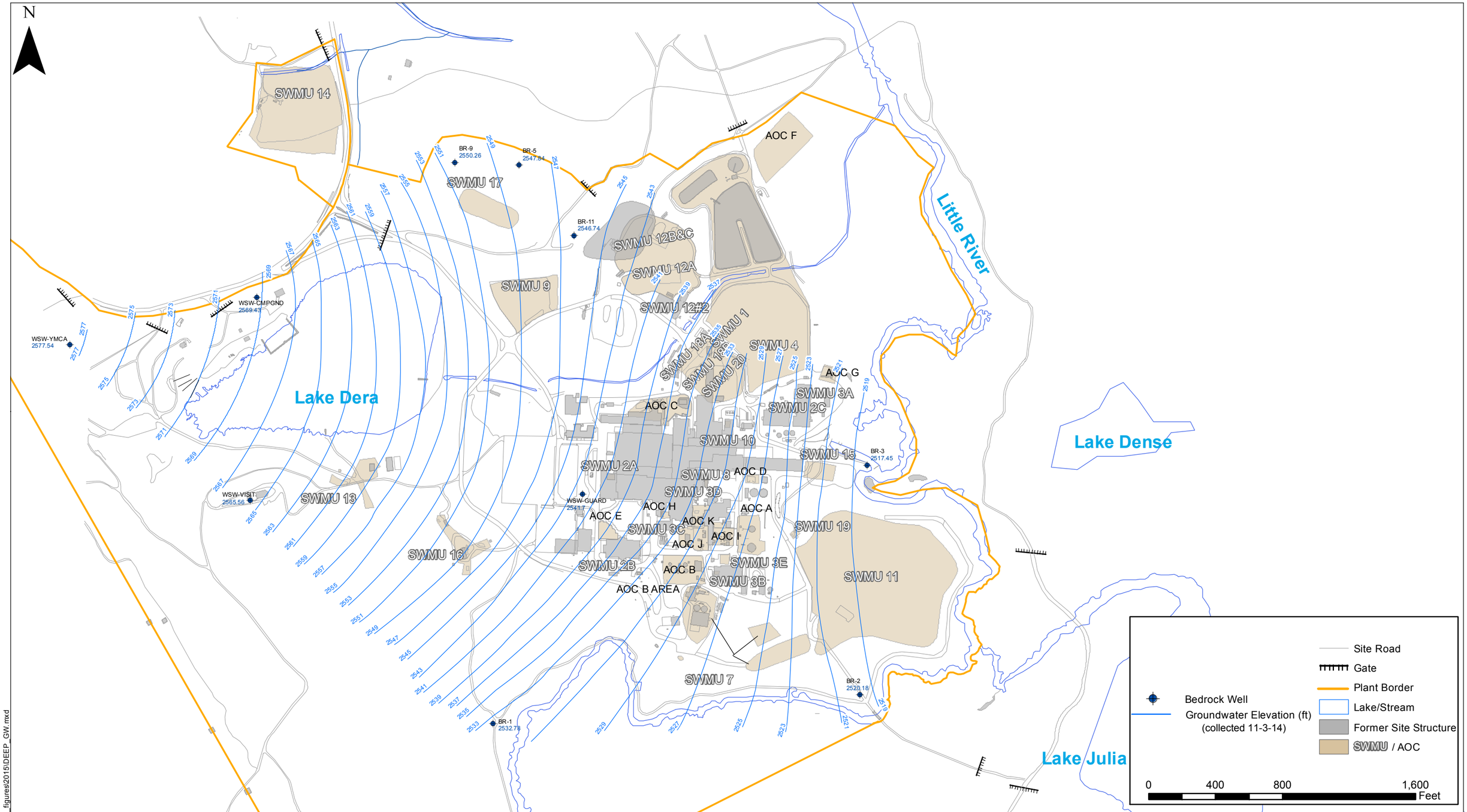
Surficial Aquifer – Deep Residuum Well Potentiometric Surface Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Drawn: C. Oneal	DuPont Project No.: 4406
Date: 4/22/2015	Parsons Project No.: 447499.01020
Revision:	Figure No.: 5
File Name: Intermediate_GW	



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Bedrock Monitoring Well Potentiometric Surface Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Drawn: C. Oneal	DuPont Project No.: 4406
Date: 4/23/2015	Parsons Project No.: 447499.01020
Revision:	Figure No.: 6
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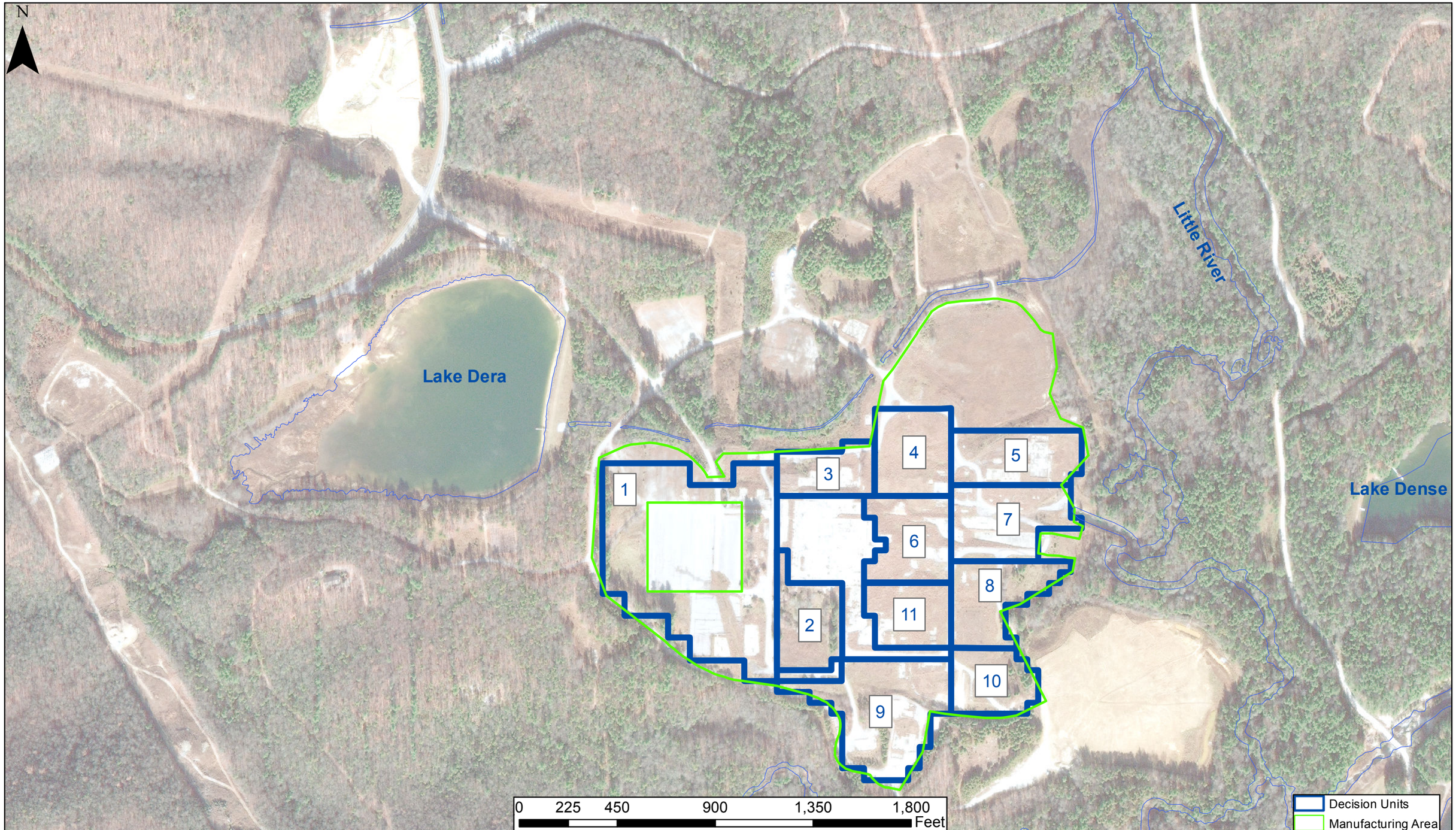

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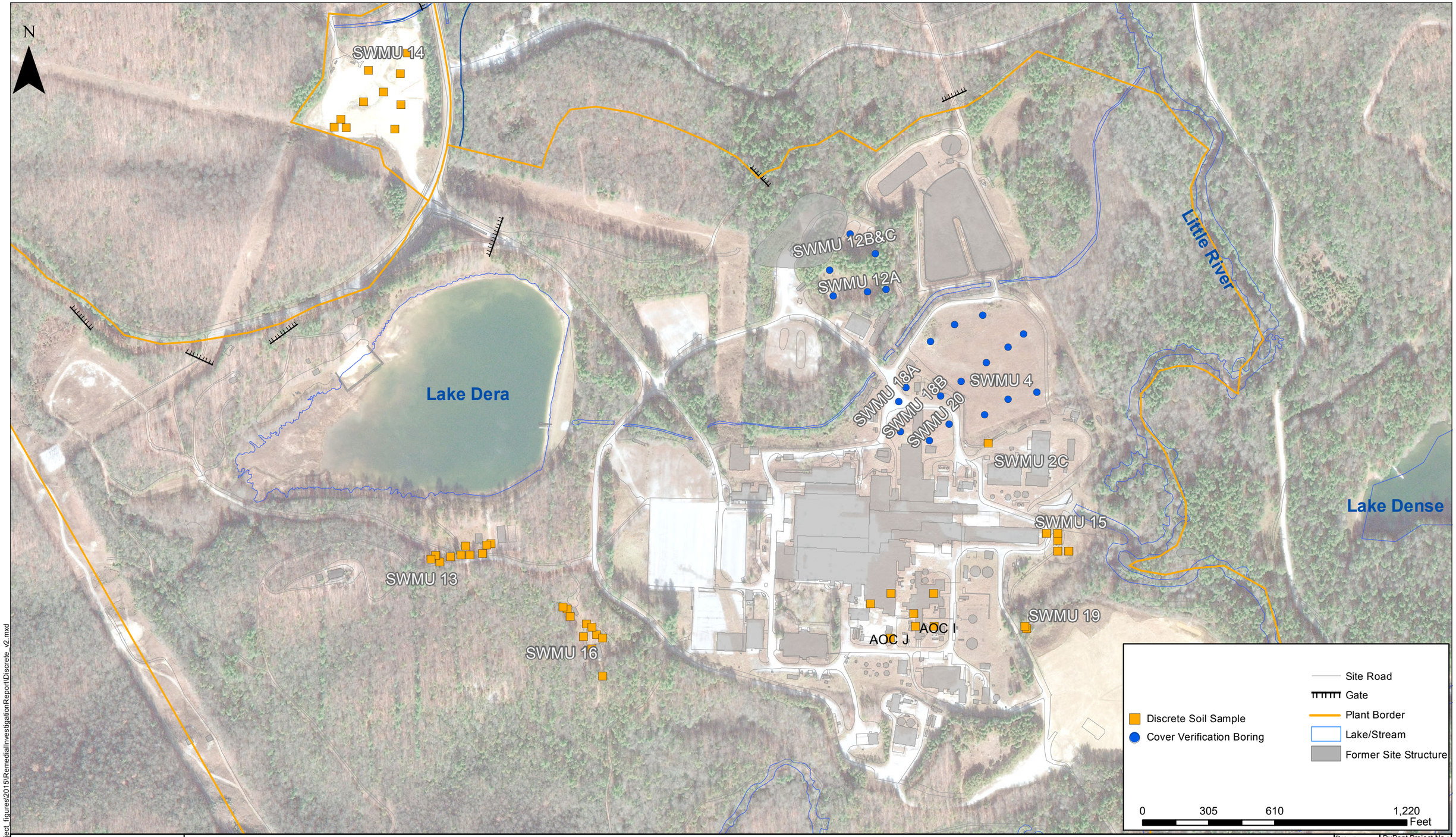
Incremental Sampling Methodology Decision Unit Location Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Created: C. Oneal	Date: 5/5/2015	DuPont Project No: 4406
Revision:	Figure: 7	Parsons Project No: 447499.01020
File Name: DU_2_23_15		



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Final Investigation Discrete Soil Sample and Cover Verification Boring Location Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Drawn: C. Oneal	DuPont Project No.: 4406
Date: 5/5/2015	Parsons Project No.: 447499.01020
Revision:	Figure No.: 8
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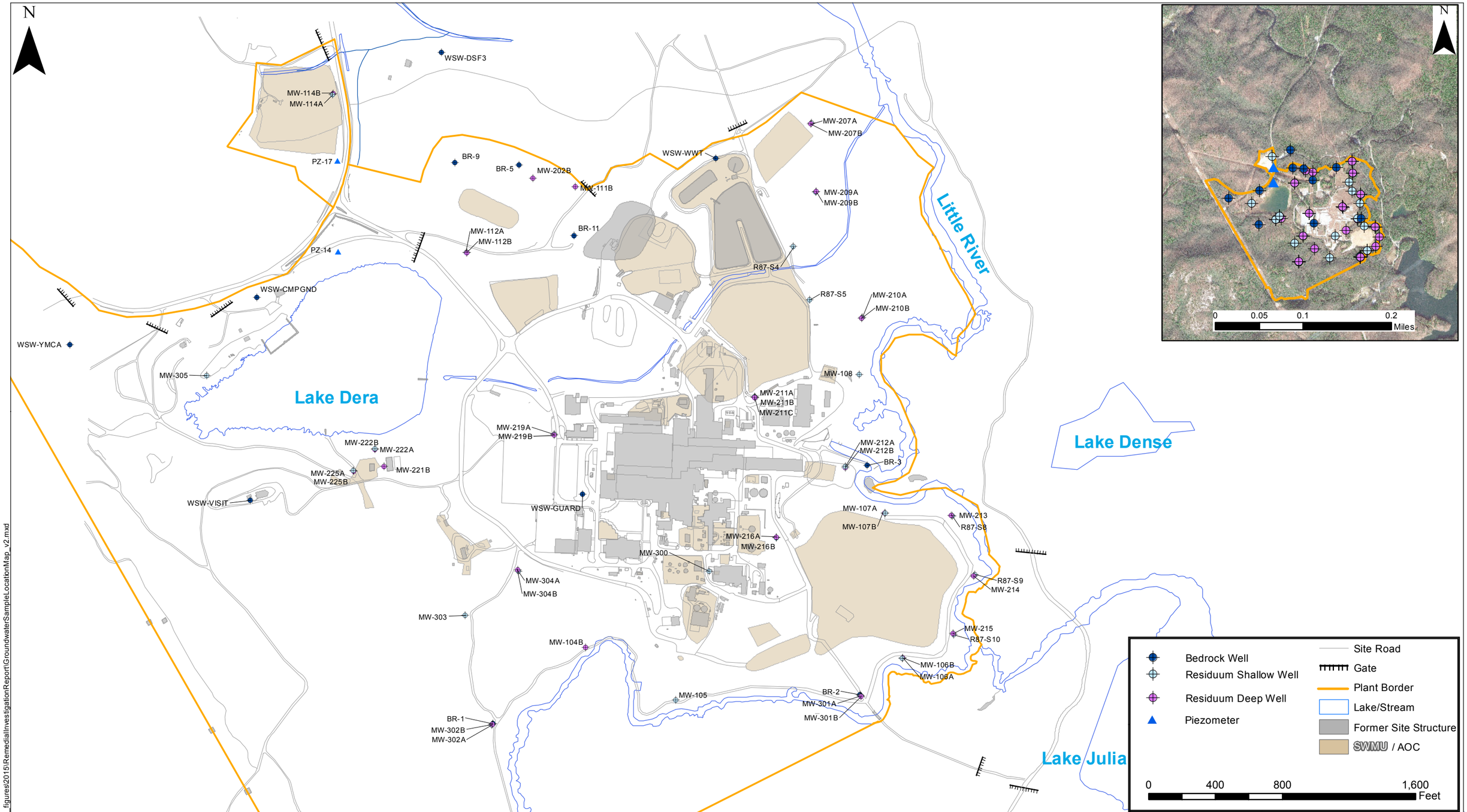

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Final Investigation Groundwater Sample Location Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Drawn: C. Oneal	DuPont Project No.: 4406
Date: 5/4/2015	Parsons Project No.: 447499.01020
Revision:	Figure No.: 9
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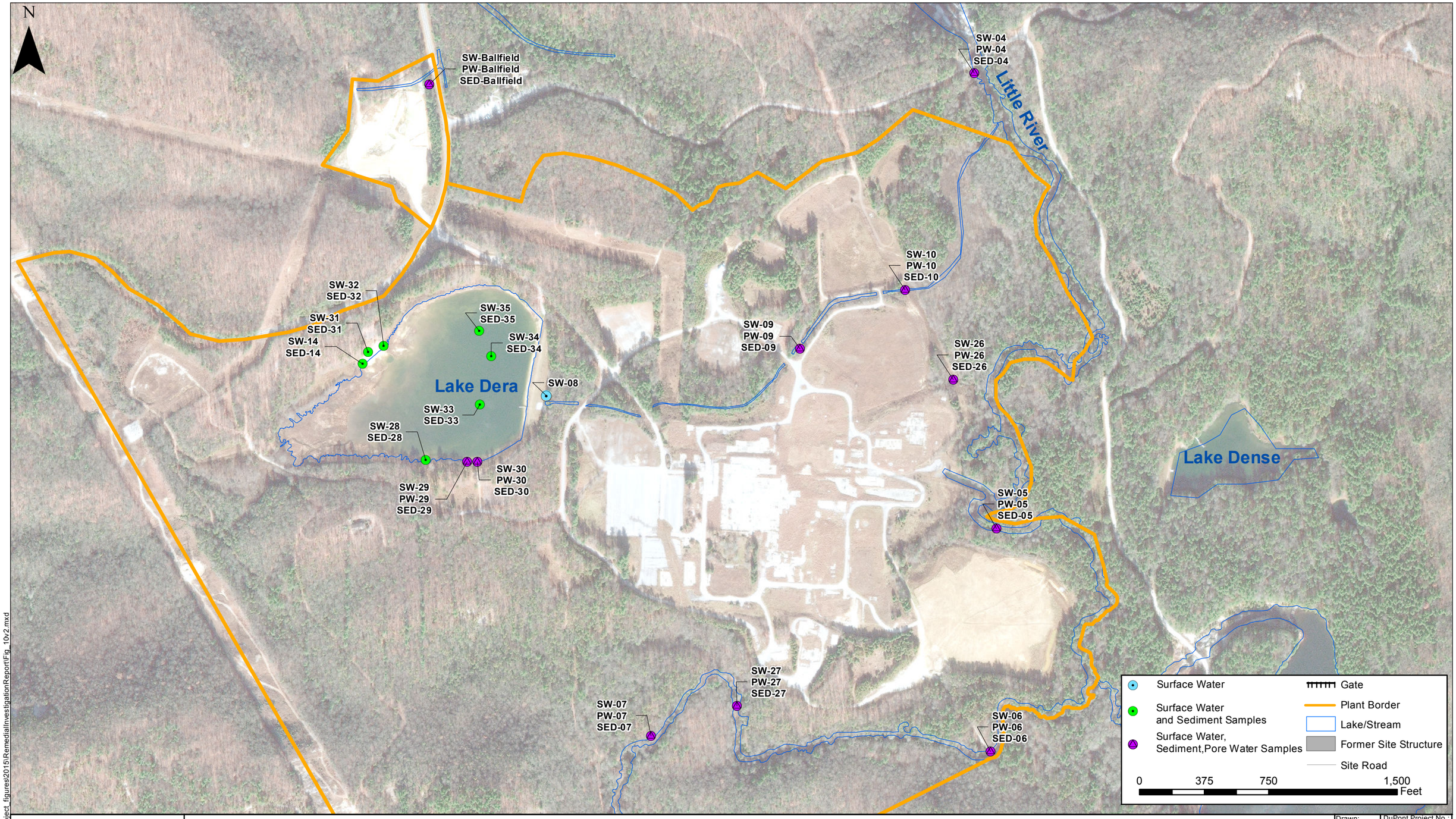

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Final Investigation Surface Water, Sediment, and Pore Water Sample Location Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Drawn: C. Oneal	DuPont Project No.: 4406
Date: 4/28/2015	Parsons Project No.: 446664.01000
Revision:	Figure No.: 10
File Name: Fig_10v2	

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DSRF WSW Well Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Drawn: C. Oneal	DuPont Project No.: 4406
Date: 3/26/2015	Parsons Project No.: 446664.01000
Revision:	Figure No.: 11
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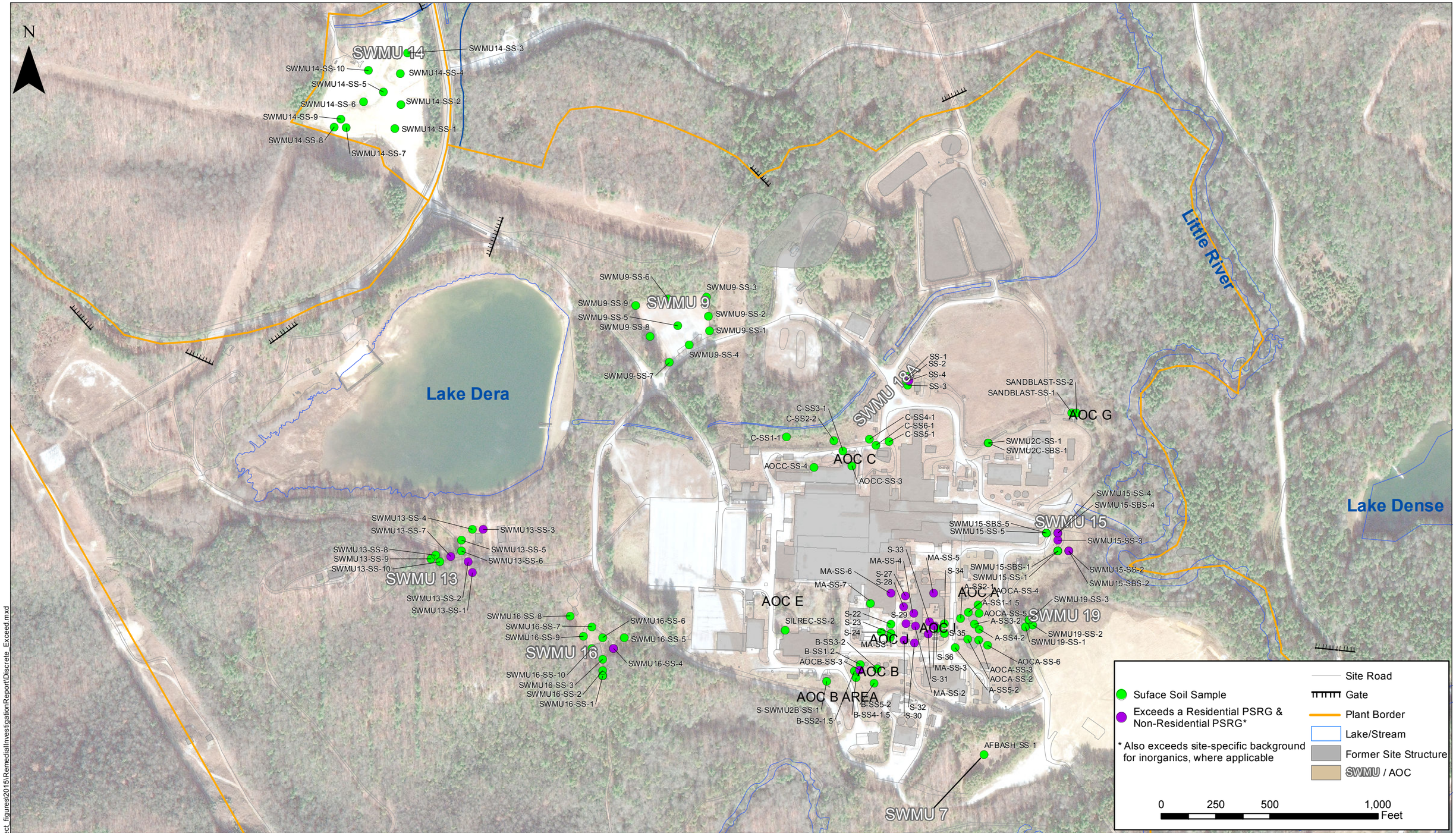

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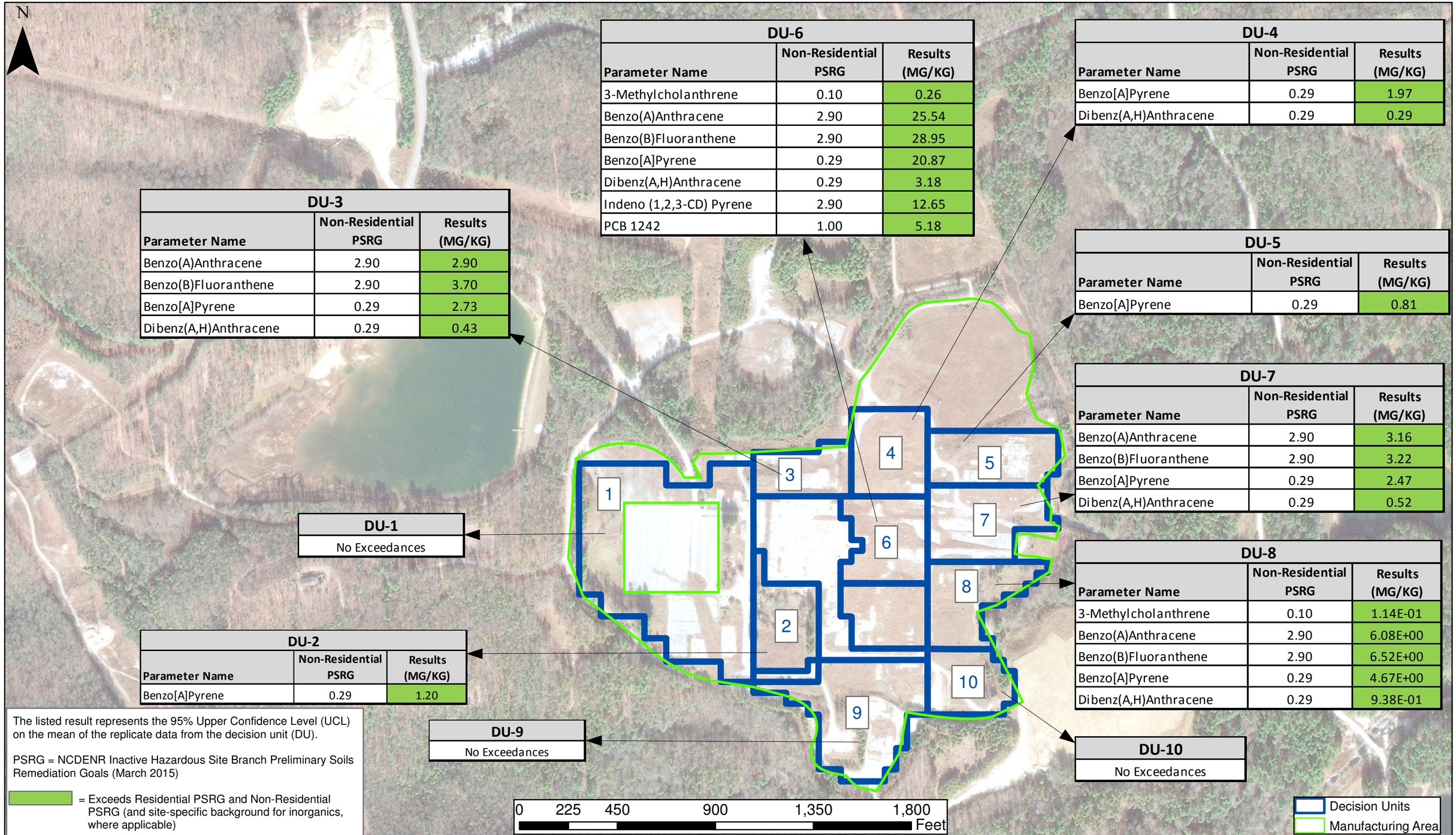
Historical and Final Investigation Discrete Surface Soil Analytical Exceedance Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Drawn: C. Oneal	DuPont Project No.: 4406
Date: 5/5/2015	Parsons Project No.: 447499.01020
Revision:	Figure No.: 12
File Name: Discrete_Exceed	



DU-6

Parameter Name	Non-Residential PSRG	Results (MG/KG)
3-Methylcholanthrene	0.10	0.26
Benzo(A)Anthracene	2.90	25.54
Benzo(B)Fluoranthene	2.90	28.95
Benzo[A]Pyrene	0.29	20.87
Dibenz(A,H)Anthracene	0.29	3.18
Indeno (1,2,3-CD) Pyrene	2.90	12.65
PCB 1242	1.00	5.18

DU-4

Parameter Name	Non-Residential PSRG	Results (MG/KG)
Benzo[A]Pyrene	0.29	1.97
Dibenz(A,H)Anthracene	0.29	0.29

DU-3

Parameter Name	Non-Residential PSRG	Results (MG/KG)
Benzo(A)Anthracene	2.90	2.90
Benzo(B)Fluoranthene	2.90	3.70
Benzo[A]Pyrene	0.29	2.73
Dibenz(A,H)Anthracene	0.29	0.43

DU-5

Parameter Name	Non-Residential PSRG	Results (MG/KG)
Benzo[A]Pyrene	0.29	0.81

DU-7

Parameter Name	Non-Residential PSRG	Results (MG/KG)
Benzo(A)Anthracene	2.90	3.16
Benzo(B)Fluoranthene	2.90	3.22
Benzo[A]Pyrene	0.29	2.47
Dibenz(A,H)Anthracene	0.29	0.52

DU-1

No Exceedances

DU-8

Parameter Name	Non-Residential PSRG	Results (MG/KG)
3-Methylcholanthrene	0.10	1.14E-01
Benzo(A)Anthracene	2.90	6.08E+00
Benzo(B)Fluoranthene	2.90	6.52E+00
Benzo[A]Pyrene	0.29	4.67E+00
Dibenz(A,H)Anthracene	0.29	9.38E-01

DU-2

Parameter Name	Non-Residential PSRG	Results (MG/KG)
Benzo[A]Pyrene	0.29	1.20

The listed result represents the 95% Upper Confidence Level (UCL) on the mean of the replicate data from the decision unit (DU).

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

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

DU-9

No Exceedances

DU-10

No Exceedances

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Incremental Sampling Methodology Soil Sampling Analytical Exceedance Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Created: C. Oneal	Date: 5/5/2015	DuPont Project No: 4406
Revision:	Figure: 13	Parsons Project No: 447499.01020
File Name: DU_dataPost		

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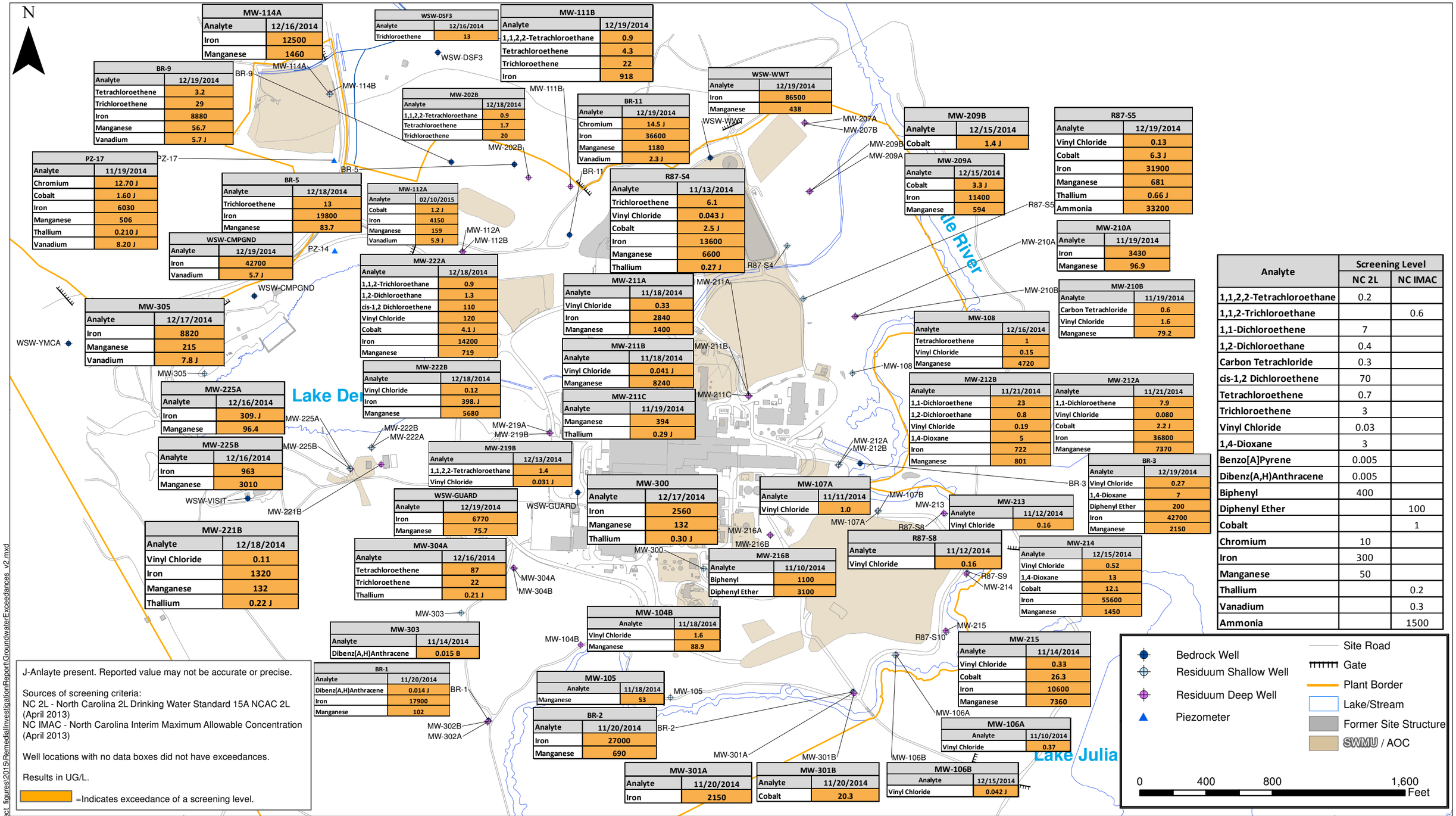

MW-114A	
Analyte	12/16/2014
Iron	12500
Manganese	1460

WSW-DSF3	
Analyte	12/16/2014
Trichloroethene	13

MW-111B	
Analyte	12/19/2014
1,1,2,2-Tetrachloroethane	0.9
Tetrachloroethene	4.3
Trichloroethene	22
Iron	918

BR-9	
Analyte	12/19/2014
Tetrachloroethene	3.2
Trichloroethene	29
Iron	8880
Manganese	56.7
Vanadium	5.7 J

MW-202B	
Analyte	12/18/2014
1,1,2,2-Tetrachloroethane	0.9
Tetrachloroethene	1.7
Trichloroethene	20

BR-11	
Analyte	12/19/2014
Chromium	14.5 J
Iron	36600
Manganese	1180
Vanadium	2.3 J

WSW-WWT	
Analyte	12/19/2014
Iron	86500
Manganese	438

MW-209B	
Analyte	12/15/2014
Cobalt	1.4 J

MW-209A	
Analyte	12/15/2014
Cobalt	3.3 J
Iron	11400
Manganese	594

R87-S5	
Analyte	12/19/2014
Vinyl Chloride	0.13
Cobalt	6.3 J
Iron	31900
Manganese	681
Thallium	0.66 J
Ammonia	33200

PZ-17	
Analyte	11/19/2014
Chromium	12.70 J
Cobalt	1.60 J
Iron	6030
Manganese	506
Thallium	0.210 J
Vanadium	8.20 J

BR-5	
Analyte	12/18/2014
Trichloroethene	13
Iron	19800
Manganese	83.7

MW-112A	
Analyte	02/10/2015
Cobalt	1.2 J
Iron	4150
Manganese	159
Vanadium	5.9 J

R87-S4	
Analyte	11/13/2014
Trichloroethene	6.1
Vinyl Chloride	0.043 J
Cobalt	2.5 J
Iron	13600
Manganese	6600
Thallium	0.27 J

WSW-CMPGND	
Analyte	12/19/2014
Iron	42700
Vanadium	5.7 J

MW-210A	
Analyte	11/19/2014
Iron	3430
Manganese	96.9

MW-222A	
Analyte	12/18/2014
1,1,2-Trichloroethane	0.9
1,2-Dichloroethane	1.3
cis-1,2 Dichloroethene	110
Vinyl Chloride	120
Cobalt	4.1 J
Iron	14200
Manganese	719

MW-211A	
Analyte	11/18/2014
Vinyl Chloride	0.33
Iron	2840
Manganese	1400

MW-210B	
Analyte	11/19/2014
Carbon Tetrachloride	0.6
Vinyl Chloride	1.6
Manganese	79.2

MW-305	
Analyte	12/17/2014
Iron	8820
Manganese	215
Vanadium	7.8 J

MW-211B	
Analyte	11/18/2014
Vinyl Chloride	0.041 J
Manganese	8240

MW-108	
Analyte	12/16/2014
Tetrachloroethene	1
Vinyl Chloride	0.15
Manganese	4720

MW-222B	
Analyte	12/18/2014
Vinyl Chloride	0.12
Iron	398. J
Manganese	5680

MW-211C	
Analyte	11/19/2014
Manganese	394
Thallium	0.29 J

MW-212B	
Analyte	11/21/2014
1,1-Dichloroethene	23
1,2-Dichloroethane	0.8
Vinyl Chloride	0.19
1,4-Dioxane	5
Iron	722
Manganese	801

MW-212A	
Analyte	11/21/2014
1,1-Dichloroethene	7.9
Vinyl Chloride	0.080
Cobalt	2.2 J
Iron	36800
Manganese	7370

MW-225A	
Analyte	12/16/2014
Iron	309. J
Manganese	96.4

MW-225B	
Analyte	12/16/2014
Iron	963
Manganese	3010

MW-219B	
Analyte	12/13/2014
1,1,2,2-Tetrachloroethane	1.4
Vinyl Chloride	0.031 J

BR-3	
Analyte	12/19/2014
Vinyl Chloride	0.27
1,4-Dioxane	7
Diphenyl Ether	200
Iron	42700
Manganese	2150

MW-300	
Analyte	12/17/2014
Iron	2560
Manganese	132
Thallium	0.30 J

MW-107A	
Analyte	11/11/2014
Vinyl Chloride	1.0

WSW-GUARD	
Analyte	12/19/2014
Iron	6770
Manganese	75.7

MW-213	
Analyte	11/12/2014
Vinyl Chloride	0.16

MW-221B	
Analyte	12/18/2014
Vinyl Chloride	0.11
Iron	1320
Manganese	132
Thallium	0.22 J

R87-S8	
Analyte	11/12/2014
Vinyl Chloride	0.16

MW-214	
Analyte	12/15/2014
Vinyl Chloride	0.52
1,4-Dioxane	13
Cobalt	12.1
Iron	55600
Manganese	1450

MW-304A	
Analyte	12/16/2014
Tetrachloroethene	87
Trichloroethene	22
Thallium	0.21 J

MW-216B	
Analyte	11/10/2014
Biphenyl	1100
Diphenyl Ether	3100

MW-104B	
Analyte	11/18/2014
Vinyl Chloride	1.6
Manganese	88.9

MW-303	
Analyte	11/14/2014
Dibenz(A,H)Anthracene	0.015 B

MW-215	
Analyte	11/14/2014
Vinyl Chloride	0.33
Cobalt	26.3
Iron	10600
Manganese	7360

BR-1	
Analyte	11/20/2014
Dibenz(A,H)Anthracene	0.014 J
Iron	17900
Manganese	102

MW-105	
Analyte	11/18/2014
Manganese	53

BR-2	
Analyte	11/20/2014
Iron	27000
Manganese	690

MW-106A	
Analyte	11/10/2014
Vinyl Chloride	0.37

MW-301A	
Analyte	11/20/2014
Iron	2150

MW-301B	
Analyte	11/20/2014
Cobalt	20.3

MW-106B	
Analyte	12/15/2014
Vinyl Chloride	0.042 J

Analyte	Screening Level	
	NC 2L	NC IMAC
1,1,2,2-Tetrachloroethane	0.2	
1,1,2-Trichloroethane		0.6
1,1-Dichloroethene	7	
1,2-Dichloroethane	0.4	
Carbon Tetrachloride	0.3	
cis-1,2 Dichloroethene	70	
Tetrachloroethene	0.7	
Trichloroethene	3	
Vinyl Chloride	0.03	
1,4-Dioxane	3	
Benzo[A]Pyrene	0.005	
Dibenz(A,H)Anthracene	0.005	
Biphenyl	400	
Diphenyl Ether		100
Cobalt		1
Chromium	10	
Iron	300	
Manganese	50	
Thallium		0.2
Vanadium		0.3
Ammonia		1500

J-Anlayte present. Reported value may not be accurate or precise.

Sources of screening criteria:
NC 2L - North Carolina 2L Drinking Water Standard 15A NCAC 2L (April 2013)
NC IMAC - North Carolina Interim Maximum Allowable Concentration (April 2013)

Well locations with no data boxes did not have exceedances.

Results in UG/L.

=Indicates exceedance of a screening level.

Bedrock Well
Residuum Shallow Well
Residuum Deep Well
Piezometer
Site Road
Gate
Plant Border
Lake/Stream
Former Site Structure
SWMU / AOC

0 400 800 1,600 Feet

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Final Investigation Groundwater Analytical Exceedance Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Drawn: C. Oneal	DuPont Project No.: 4406
Date: 5/5/2015	Parsons Project No. 447499.01020
Revision:	Figure No.: 14
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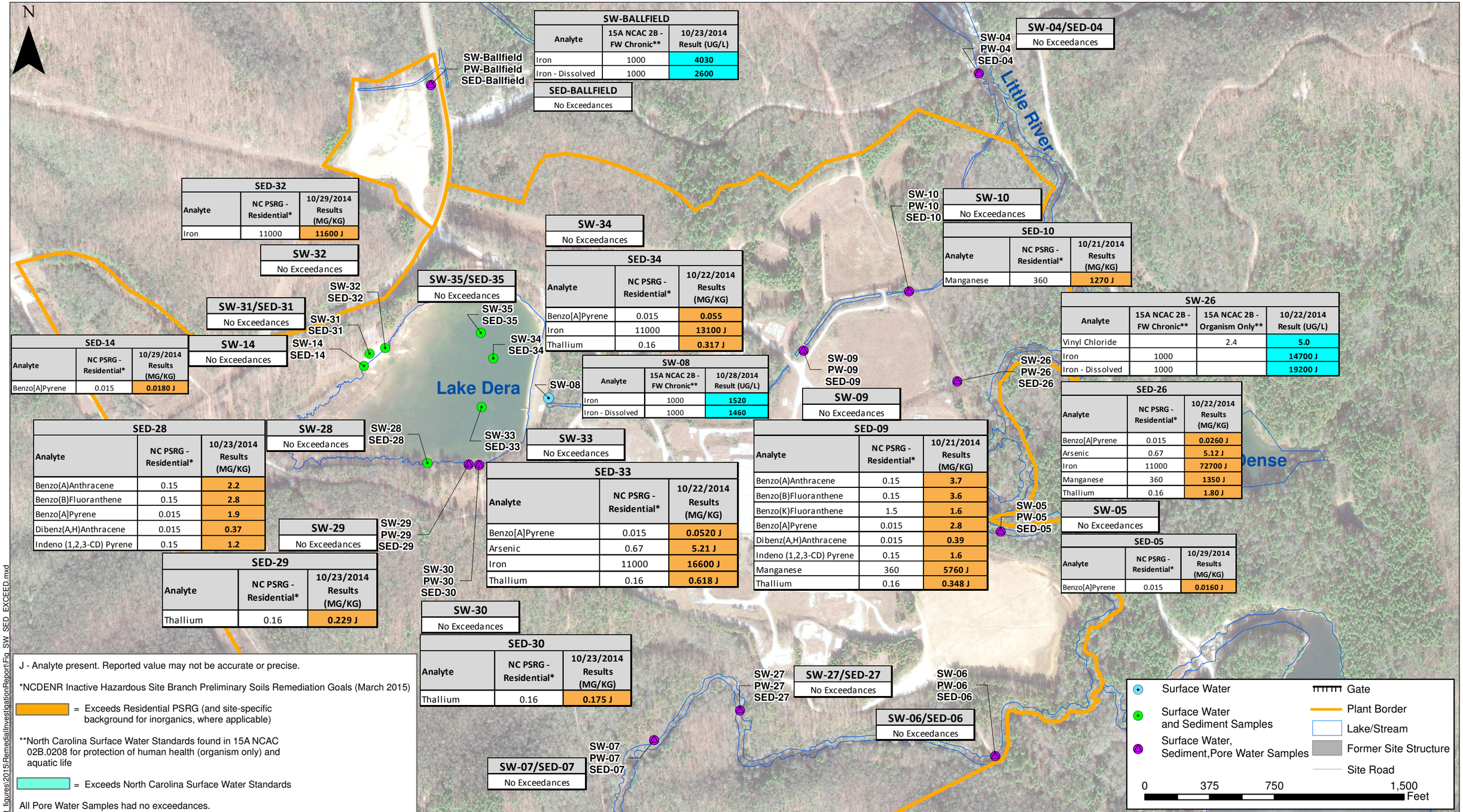

SW-BALLFIELD

Analyte	15A NCAC 2B - FW Chronic**	10/23/2014 Result (UG/L)
Iron	1000	4030
Iron - Dissolved	1000	2600

SED-BALLFIELD

No Exceedances

SW-04/SED-04

No Exceedances

SED-32

Analyte	NC PSRG - Residential*	10/29/2014 Results (MG/KG)
Iron	11000	11600 J

SW-32

No Exceedances

SW-10

No Exceedances

SED-10

Analyte	NC PSRG - Residential*	10/21/2014 Results (MG/KG)
Manganese	360	1270 J

SW-34

No Exceedances

SED-34

Analyte	NC PSRG - Residential*	10/22/2014 Results (MG/KG)
Benzo[A]Pyrene	0.015	0.055
Iron	11000	13100 J
Thallium	0.16	0.317 J

SW-35/SED-35

No Exceedances

SW-31/SED-31

No Exceedances

SED-14

Analyte	NC PSRG - Residential*	10/29/2014 Results (MG/KG)
Benzo[A]Pyrene	0.015	0.0180 J

SW-14

No Exceedances

SW-08

Analyte	15A NCAC 2B - FW Chronic**	10/28/2014 Result (UG/L)
Iron	1000	1520
Iron - Dissolved	1000	1460

SW-09

No Exceedances

SW-26

Analyte	15A NCAC 2B - FW Chronic**	15A NCAC 2B - Organism Only**	10/22/2014 Result (UG/L)
Vinyl Chloride		2.4	5.0
Iron	1000		14700 J
Iron - Dissolved	1000		19200 J

SED-26

Analyte	NC PSRG - Residential*	10/22/2014 Results (MG/KG)
Benzo[A]Pyrene	0.015	0.0260 J
Arsenic	0.67	5.12 J
Iron	11000	72700 J
Manganese	360	1350 J
Thallium	0.16	1.80 J

SED-28

Analyte	NC PSRG - Residential*	10/23/2014 Results (MG/KG)
Benzo(A)Anthracene	0.15	2.2
Benzo(B)Fluoranthene	0.15	2.8
Benzo[A]Pyrene	0.015	1.9
Dibenz(A,H)Anthracene	0.015	0.37
Indeno (1,2,3-CD) Pyrene	0.15	1.2

SW-28

No Exceedances

SW-33

No Exceedances

SED-33

Analyte	NC PSRG - Residential*	10/22/2014 Results (MG/KG)
Benzo[A]Pyrene	0.015	0.0520 J
Arsenic	0.67	5.21 J
Iron	11000	16600 J
Thallium	0.16	0.618 J

SED-09

Analyte	NC PSRG - Residential*	10/21/2014 Results (MG/KG)
Benzo(A)Anthracene	0.15	3.7
Benzo(B)Fluoranthene	0.15	3.6
Benzo(K)Fluoranthene	1.5	1.6
Benzo[A]Pyrene	0.015	2.8
Dibenz(A,H)Anthracene	0.015	0.39
Indeno (1,2,3-CD) Pyrene	0.15	1.6
Manganese	360	5760 J
Thallium	0.16	0.348 J

SW-05

No Exceedances

SED-05

Analyte	NC PSRG - Residential*	10/29/2014 Results (MG/KG)
Benzo[A]Pyrene	0.015	0.0160 J

SW-29

No Exceedances

SED-29

Analyte	NC PSRG - Residential*	10/23/2014 Results (MG/KG)
Thallium	0.16	0.229 J

SW-30

No Exceedances

SED-30

Analyte	NC PSRG - Residential*	10/23/2014 Results (MG/KG)
Thallium	0.16	0.175 J

SW-27/SED-27

No Exceedances

SW-06/SED-06

No Exceedances

SW-07/SED-07

No Exceedances

J - Analyte present. Reported value may not be accurate or precise.

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

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

**North Carolina Surface Water Standards found in 15A NCAC 02B.0208 for protection of human health (organism only) and aquatic life

= Exceeds North Carolina Surface Water Standards

All Pore Water Samples had no exceedances.

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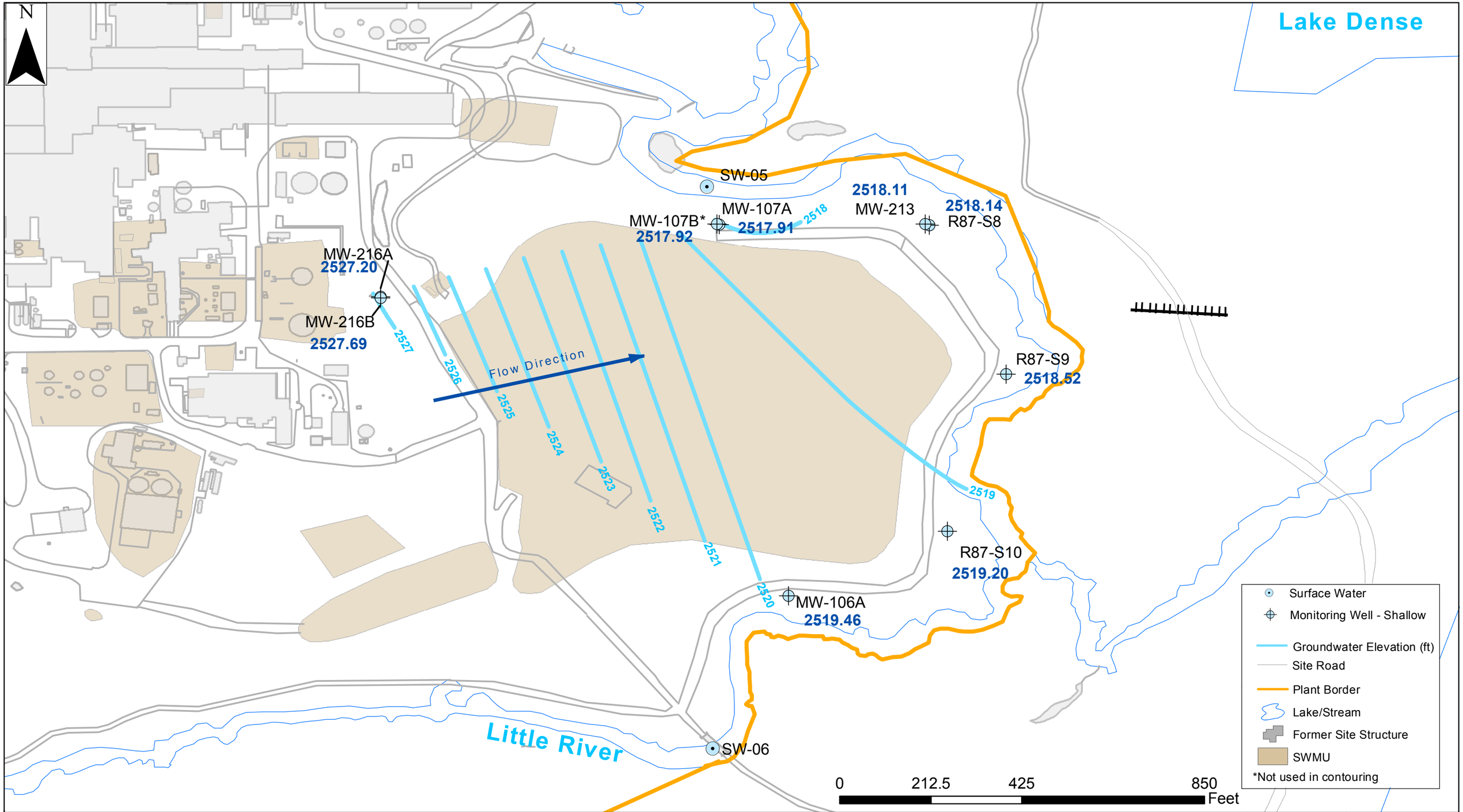
PARSONS

PE&I

4701 Hedgemore Dr.
Charlotte, NC 28209

Final Investigation Surface Water and Sediment Sampling Exceedance Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

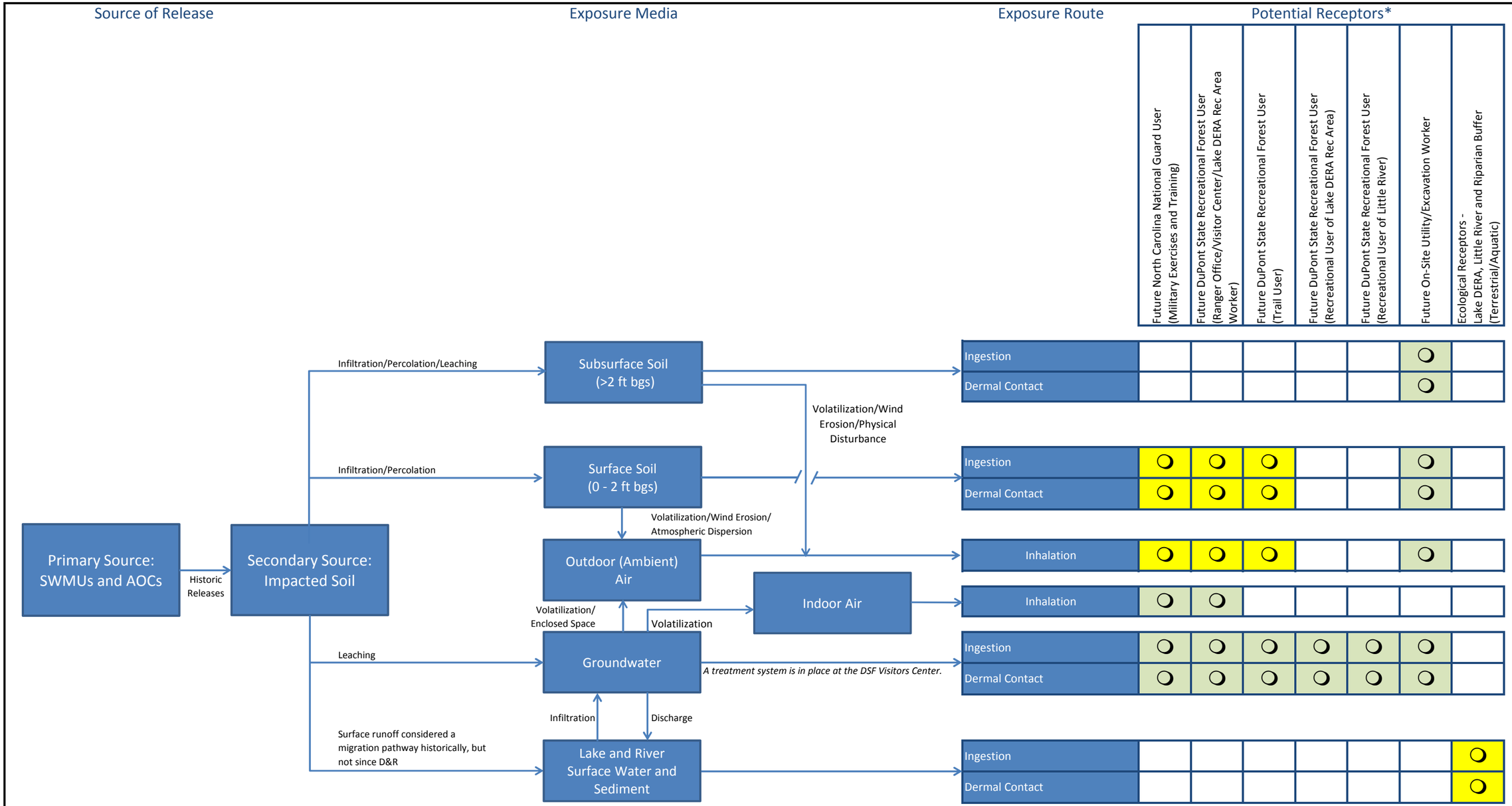
Drawn: C. Oneal	DuPont Project No.: 4406
Date: 4/29/2015	Parsons Project No. 446664.01000
Revision:	Figure No.: 15
File Name: Fig_SW_SED_EXCEED	



PARSONS
PE&I
4701 Hedgemore Dr.
Charlotte, NC 28209

CAMU Potentiometric Surface Map
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

Created: C. Oneal	Date: 5/5/2015	DuPont Project No: 445242
Revision:	Figure: 16	Projects Project No: 447499.01020
File Name: E:\GIS\Brevard\Gis\Project_figures\2015\RemedialInvestigationReport\GW_POT_SWMU11.mxd		



* Potential receptors based on NC Department of Agriculture February 25, 2014 memorandum titled *Proposed North Carolina National Guard (NCNG) and North Carolina Forest Service (NCFS) uses on the DuPont Corporation Property* . Potential groundwater exposure pathways consider installation of a well in the bedrock aquifer for potable and non-potable use.

Legend

- ⊗ Not a media or pathway of concern
- Incomplete pathway, receptors would not be in contact with affected media
- ❍ Potentially complete pathway; receptors may be in contact with affected media
- ❍ Potentially complete pathway that could be addressed with adminstrative or engineering controls.

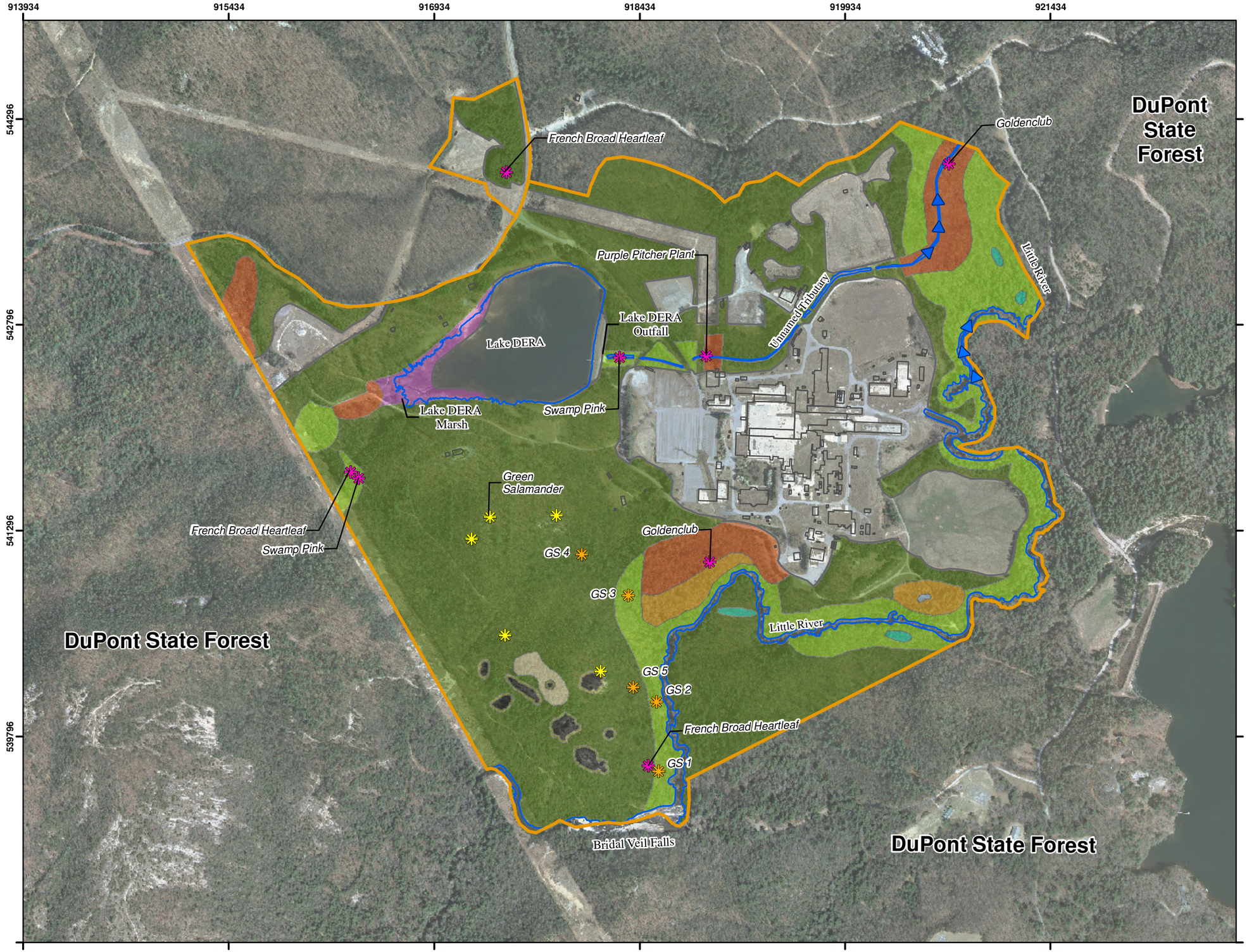
AECOM
625 West Ridge Pike
Suite E-100
Conshohocken, PA 19428

Conceptual Exposure Model

Former DuPont Brevard Facility,
Cedar Mountain, NC

4/10/2014

Fig. 1T



Legend

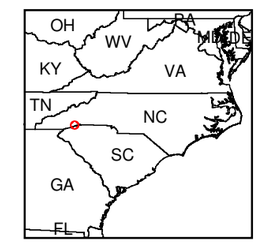
- Lake/Stream
- Flow Direction
- DuPont Brevard Facility
- Former Structure
- Maintained Former Developed Lands
- Rare Plant Community Location

Green Salamander

- Known Site
- Potential Site

Ecological Communities (317.04 acres total)

- Southern Appalachian Fen (4.68 ac)
- Swamp Forest-Bog (18.44 ac)
- Floodplain Pool (0.89 ac)
- Acidic Cove Forest (47.41 ac)
- Vernal Pool (0.09 ac)
- Montane Alluvial Forest (5.56 ac)
- Montane Oak-Hickory Forest (234.89)
- Low Elevation Granitic Dome (2.16)
- Pine Oak/Heath Forest (1.30 ac)
- White Pine Forest (1.62 ac)



Key Map
Not to Scale

N

NAD 1983 State Plane North Carolina
FIPS 3200 Feet
Lambert Conformal Conic

Data Sources:
2010 Aerial Imagery provided by Transylvania County, NC
ESRI Street Map North America
URS Field Reconnaisance Data
Additional GIS data provided by Parsons

0 350 700 1,400 Feet

1 inch = 700 feet

AECOM

Figure 18
DuPont Brevard Facility
Ecological Survey
Significant Ecological Communities

Brevard, Transylvania County, North Carolina

Prepared By: PLJ	Checked By: BB
Job:18986041.00003	Q:\GIS_Data\DUPONT\BREVARD\Maps\ Figure 1 Vegetative Communities.mxd

APPENDIX A
FINAL INVESTIGATION SOIL SAMPLE DESCRIPTIONS

ISM Sample Descriptions
Remedial Investigation Report
DuPont Brevard Facility

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION
DU-1A-1	11/4/2014	1245	0.0	Light brown to tan sandy silt
DU-1A-2	11/4/2014	1305	0.0	Dark brown to tan sandy silt
DU-1A-3	11/4/2014	1330	0.0	Dark to light tan sandy silt, dry
DU-1A-4	11/4/2014	1350	0.0	Gray to tan sandy silt with trace clay
DU-1A-5	11/4/2014	1405	0.0	Tan to brown sandy silt with trace clay and gravel
DU-1A-6	11/4/2014	1420	0.0	Tan silt with trace clay, light brown / tan with some trace organics
DU-1A-7	11/4/2014	1445	0.0	Light brown / tan silt with trace clay
DU-1A-8	11/4/2014	1525	0.0	Light tan to black sandy silt with trace clay
DU-1A-9	11/4/2014	1540	0.0	Brown, trace clay, some gravel, sandy silt
DU-1A-10	11/4/2014	1555	0.0	Light tan / brown sandy silt
DU-1A-11	11/4/2014	1635	0.0	Tan / Brown sandy silt
DU-1A-12	11/5/2014	805	0.0	Brown with dark gray areas, clay silt with trace sand and gravel
DU-1A-13	11/5/2014	840	0.0	Brown with dark gray areas, clay silt with trace sand and gravel with some larger rocks
DU-1A-14	11/5/2014	900	0.0	Tan / gray sandy silt to a brown silty clay
DU-1A-15	11/5/2014	935	0.0	Tan sandy silt with trace clay
DU-1A-16	11/5/2014	1005	0.0	Brown sandy silt to clay silt
DU-1A-17	11/5/2014	1035	0.0	Gray to tan sandy silt with trace clay
DU-1A-18	11/5/2014	1106	0.0	Brown clay-silt
DU-1A-19	11/5/2014	1215	0.0	Brown clay-silt
DU-1A-20	11/5/2014	1240	0.0	Sandy silt white to light brown with some dark brown mottling
DU-1A-21	11/5/2014	1300	NR	Brown silt to orange silty clay with dark brown mottling
DU-1A-22	11/5/2014	1430	0.0	Tan sandy silt
DU-1A-23	11/5/2014	1440	0.0	Brown silt, tan sandy silt with rock fragments
DU-1A-24	11/5/2014	1510	0.0	Brown silt to gray silt with rock fragments
DU-1A-25	11/5/2014	1540	0.0	Light brown silt
DU-1A-26	11/5/2014	1600	0.0	Brown sandy silt
DU-1A-27	11/5/2014	1620	0.0	Brown silty clay
DU-1A-28	11/5/2014	1635	0.0	Brown sandy silt
DU-1A-29	11/5/2014	1645	0.0	Brown sandy silt
DU-1A-30	11/5/2014	1655	0.0	Brown with black mottling silty clay
DU-1A-31	11/5/2014	1710	0.0	Brown sandy silt with trace clay
DU-1B-1	11/6/2014	845	0.0	Brown sandy silt with rock fragments
DU-1B-2	11/6/2014	925	0.0	Brown with black mottling sandy silt
DU-1B-3	11/6/2014	950	0.0	Brown silt with trace sand and tan mottling
DU-1B-4	11/6/2014	1010	0.0	Brown sandy silt with weathered rock
DU-1B-5	11/6/2014	1030	0.0	Tan sandy silt
DU-1B-6	11/6/2014	1045	0.0	Light brown with dark brown mottling sandy silt
DU-1B-7	11/6/2014	1110	0.0	Dark brown to tan silt to sandy silt
DU-1B-8	11/6/2014	1130	0.0	Light brown to brown clay silt
DU-1B-9	11/6/2014	1320	0.0	Brown to light brown silt with rock fragments
DU-1B-10	11/6/2014	1340	0.0	Brown clay-silt
DU-1B-11	11/6/2014	1400	0.0	Brown sandy silt with weathered rock
DU-1B-12	11/6/2014	1445	0.0	Light brown sandy silt
DU-1B-13	11/6/2014	1515	0.0	Tan sandy silt
DU-1B-14	11/6/2014	1605	0.0	Tan sandy silt
DU-1B-15	11/6/2014	1625	0.0	Gray sandy silt
DU-1B-16	11/6/2014	1640	0.0	Brown sandy silt
DU-1B-17	11/6/2014	1650	0.0	Brown, dark to light, sandy silt
DU-1B-18	11/6/2014	1700	0.0	Brown silt with trace organics
DU-1B-19	11/6/2014	1710	0.0	Brown sandy silt
DU-1B-20	11/7/2014	815	0.0	Brown silt
DU-1B-21	11/7/2014	830	0.0	Tan sandy silt
DU-1B-22	11/7/2014	840	0.0	Tan sandy silt
DU-1B-23	11/7/2014	850	0.0	Brown sandy silt
DU-1B-24	11/7/2014	900	0.0	Tan / Brown sandy silt
DU-1B-25	11/7/2014	915	0.0	Brown clay-silt
DU-1B-26	11/7/2014	925	0.0	Brown silt
DU-1B-27	11/7/2014	930	0.0	Brown sandy silt
DU-1B-28	11/7/2014	935	0.0	Brown sandy silt with rock fragment
DU-1B-29	11/7/2014	940	0.0	Light brown silt with organics
DU-1B-30	11/7/2014	945	0.0	Brown to tan sandy silt
DU-1B-31	11/7/2014	945	0.0	Brown sandy silt with rock fragments
DU-1C-1	11/7/2014	1025	0.0	Brown sandy silt
DU-1C-2	11/7/2014	1035	0.0	Brown / tan sandy silt with rock fragments
DU-1C-3	11/7/2014	1045	0.0	Brown to tan sandy silt with trace gravel
DU-1C-4	11/7/2014	1050	0.0	Brown to black, damp, silt with trace organics
DU-1C-5	11/7/2014	1055	0.0	Brown silt to tan, sandy with rock fragments
DU-1C-6	11/10/2014	1215	0.0	Black to brown sandy silt, layer of red clay
DU-1C-7	11/10/2014	1225	0.0	Brown sandy silt
DU-1C-8	11/10/2014	1235	0.0	Brown sandy silt with large gravel
DU-1C-9	11/10/2014	1245	0.0	Brown to dark brown clay silt
DU-1C-10	11/10/2014	1255	0.0	Light brown silty sand with gravel throughout
DU-1C-11	11/10/2014	1310	0.0	Brown silty sand
DU-1C-12	11/10/2014	1320	0.0	Light brown sandy silt
DU-1C-13	11/10/2014	1330	0.0	Brown silty with some sand and rocks
DU-1C-14	11/10/2014	1345	0.0	Tan sandy silt with rocks
DU-1C-15	11/10/2014	1355	0.0	Tan to gray, sand with silt and gravel
DU-1C-16	11/10/2014	1410	NR	Brown sandy silt
DU-1C-17	11/10/2014	1425	0.0	Damp, dark gray sand with silt and gravel
DU-1C-18	11/10/2014	1434	NR	Slightly damp, tan, fine sandy silt with some roots in upper 8"
DU-1C-19	11/10/2014	1445	0.0	Brown sandy silt
DU-1C-20	11/10/2014	1455	0.0	Brown silt
DU-1C-21	11/10/2014	1500	0.0	Tan to brown sandy silt

ISM Sample Descriptions
Remedial Investigation Report
DuPont Brevard Facility

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION
DU-1C-22	11/10/2014	1510	0.0	Brown silt to tan sandy silt with rocks
DU-1C-23	11/10/2014	1520	0.0	Brown silt with some clay
DU-1C-24	11/10/2014	1525	0.0	Brown silt
DU-1C-25	11/10/2014	1528	0.0	Slightly damp fine tan sandy silt
DU-1C-26	11/10/2014	1529	0.0	Slightly damp light tan very fine sandy silt
DU-1C-27	11/10/2014	1540	0.0	Brown sandy silt with clay
DU-1C-28	11/10/2014	1545	0.0	Dry, fine light brown sandy silt
DU-1C-29	11/10/2014	1550	0.0	Dark brown transitioning to lighter brown silt
DU-1C-30	11/10/2014	1600	0.0	Dark brown dry silt with very few fine sand grains
DU-1C-31	11/10/2014	1615	0.0	Dark brown silt turning to rocky gray particles
DU-2A-1	11/11/2014	910	0.0	Light brown sandy silt with trace clay
DU-2A-2	11/11/2014	920	0.0	Light tan sandy silt
DU-2A-3	11/11/2014	935	0.0	Dark brown sandy silt
DU-2A-4	11/11/2014	950	0.0	Brown sandy silt
DU-2A-5	11/11/2014	1000	0.0	Dark brown silt to light brown sandy silt
DU-2A-6	11/11/2014	1010	0.0	Brown sandy silt with black mottling
DU-2A-7	11/11/2014	1015	0.0	Dark brown with brown and gray sandy silt
DU-2A-8	11/11/2014	1020	0.0	Dark brown to light brown sandy silt with trace clay
DU-2A-9	11/11/2014	1030	0.0	Brown sandy silt with layer of dark brown silt
DU-2A-10	11/11/2014	1050	0.0	Brown sandy silt
DU-2A-11	11/11/2014	1100	0.0	Brown sandy silt
DU-2A-12	11/11/2014	1110	0.0	Brown sandy silt
DU-2A-13	11/11/2014	1120	0.0	Brown to light brown sandy silt with trace clay
DU-2A-14	11/11/2014	1125	0.0	Light brown sandy silt with trace clay
DU-2A-15	11/11/2014	1130	0.0	Light brown sandy silt with rock and gravel fragments
DU-2A-16	11/11/2014	1145	0.0	Dark brown sandy silt with trace clay
DU-2A-17	11/11/2014	1340	0.0	Dark brown sandy silt
DU-2A-18	11/11/2014	1350	0.0	Dark brown to light brown sandy silt
DU-2A-19	11/11/2014	1400	0.0	Dark brown sandy silt
DU-2A-20	11/11/2014	1410	0.0	Dark brown sandy silt
DU-2A-21	11/11/2014	1420	0.0	Brown sandy silt with rock fragments
DU-2A-22	11/11/2014	1435	NR	Brown to gray silt with trace sand and clay
DU-2A-23	11/11/2014	1445	NR	Brown to orange / gray sandy silt with some rock fragments
DU-2A-24	11/11/2014	1455	NR	Brown to tan sandy silt with some rock fragments
DU-2A-25	11/11/2014	1505	NR	Brown to light brown sandy silt with rock fragments
DU-2A-26	11/11/2014	1515	0.0	Light brown sandy silt
DU-2A-27	11/11/2014	1525	0.0	Brown sandy silt with rock fragments
DU-2A-28	11/11/2014	1535	0.0	Brown sandy silt
DU-2A-29	11/11/2014	1545	0.0	Brown silt to gray gravel
DU-2A-30	11/11/2014	1555	0.0	Light brown sandy silt
DU-2A-31	11/12/2014	815	NR	Brown silt to tan sandy silt
DU-2A-32	11/12/2014	820	0.0	Dark brown sandy silt
DU-2A-33	11/12/2014	830	0.0	Dark brown sandy silt
DU-2A-34	11/12/2014	840	0.0	Dark brown sandy silt with trace clay
DU-2A-35	11/12/2014	910	0.0	Light brown sandy silt with rock fragment
DU-2A-36	11/12/2014	915	0.0	Light brown sandy silt
DU-2A-37	11/12/2014	925	0.0	Brown sandy silt with rock fragments
DU-2A-38	11/12/2014	935	0.0	Brown silty sand with trace clay
DU-2A-39	11/12/2014	1000	0.0	Brown sandy silt with gray rock fragments
DU-2A-40	11/12/2014	1010	0.0	Brown silty sand with trace clay and gray rock fragments
DU-2A-41	11/12/2014	1020	0.0	Brown silty sand with rock fragments
DU-2A-42	11/12/2014	1030	0.0	Brown silty sand with trace clay and rock fragments
DU-2A-43	11/12/2014	1040	0.0	Brown silty sand with gray rock fragments
DU-2A-44	11/12/2014	1050	0.0	Brown sandy silt
DU-2A-45	11/12/2014	1100	0.0	Brown sandy silt
DU-2A-46	11/12/2014	1120	0.0	Brown sandy silt with trace clay
DU-2A-47	11/12/2014	1130	0.0	Brown sandy silt with trace clay and rock fragments
DU-2A-48	11/12/2014	1140	0.0	Brown silty clay with gray rock fragments and trace clay
DU-2A-49	11/12/2014	1150	0.0	Brown sandy silt with trace clay
DU-2B-1	11/12/2014	1315	0.0	Brown sandy silt
DU-2B-2	11/12/2014	1325	0.0	Light brown sandy silt with gray rock fragments
DU-2B-3	11/12/2014	1335	0.0	Light brown sandy silt with rock
DU-2B-4	11/12/2014	1345	0.0	Dark brown transitioning to light brown sandy silt
DU-2B-5	11/12/2014	1350	0.0	Dark brown silt transitioning to light brown sandy silt
DU-2B-6	11/12/2014	1355	0.0	Dark brown silt transitioning to light brown sandy silt
DU-2B-7	11/12/2014	1405	0.0	Brown sandy silt
DU-2B-8	11/12/2014	1410	0.0	Light brown sandy silt
DU-2B-9	11/12/2014	1420	0.0	Light brown sandy silt to dark brown silt
DU-2B-10	11/12/2014	1430	0.0	Dark brown silt to light brown sandy silt
DU-2B-11	11/12/2014	1440	0.0	Dark brown silt to brown sandy silt
DU-2B-12	11/12/2014	1445	0.0	Dark brown to light brown sandy silt
DU-2B-13	11/12/2014	1455	0.0	Light brown sandy silt under dark brown silt
DU-2B-14	11/12/2014	1500	0.0	Dark brown silt to light brown sandy silt
DU-2B-15	11/12/2014	1510	0.0	Gray gravel fragments to brown sandy silt
DU-2B-16	11/12/2014	1520	0.0	Dark brown silt
DU-2B-17	11/12/2014	1530	0.0	Dark brown silt to light brown sandy silt
DU-2B-18	11/12/2014	1540	0.0	Brown sandy silt
DU-2B-19	11/12/2014	1550	0.0	Dark brown silt with trace sand
DU-2B-20	11/12/2014	1600	0.0	Dark brown silty with brown sandy silt
DU-2B-21	11/12/2014	1605	0.0	Gray gravel and rock fragments to tan sand
DU-2B-22	11/13/2014	800	0.0	Dark brown silt
DU-2B-23	11/13/2014	810	0.0	Dark brown silt with trace clay
DU-2B-24	11/13/2014	830	0.0	Brown silt transitioning to tan sand

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DuPont Brevard Facility

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION
DU-2B-25	11/13/2014	840	0.0	Brown sandy silt with trace clay
DU-2B-26	11/13/2014	850	0.0	Brown silt to tan sandy silt
DU-2B-27	11/13/2014	900	0.0	Light brown sandy silt
DU-2B-28	11/13/2014	915	0.0	Dark brown sandy silt with trace clay
DU-2B-29	11/13/2014	930	0.0	Light brown sandy silt
DU-2B-30	11/13/2014	940	NR	Brown silt to light brown sandy silt with rock fragments
DU-2B-31	11/13/2014	945	NR	Light brown sandy silt with rock fragments
DU-2B-32	11/13/2014	1000	0.0	Brown sandy silt with trace clay
DU-2B-33	11/13/2014	1015	0.0	Gray silt with rock fragments and trace clay
DU-2B-34	11/13/2014	1025	0.0	Gray silt with rock fragments and trace clay
DU-2B-35	11/13/2014	1035	0.0	Light brown sandy silt
DU-2B-36	11/13/2014	1100	0.0	Light brown sandy silt
DU-2B-37	11/13/2014	1110	0.0	Light brown sandy silt
DU-2B-38	11/13/2014	1120	0.0	Light brown silt
DU-2B-39	11/13/2014	1130	0.0	Brown silt with trace clay
DU-2B-40	11/13/2014	1140	0.0	Brown silt with trace clay
DU-2B-41	11/13/2014	1150	0.0	Sandy silt with trace clay, brown
DU-2B-42	11/13/2014	1155	0.0	Brown to dark brown silt with clay
DU-2B-43	11/13/2014	1200	0.0	Light brown sandy silt
DU-2B-44	11/13/2014	1205	0.0	Brown silt
DU-2B-45	11/13/2014	1350	0.0	Brown silt with trace clay and gravel
DU-2B-46	11/13/2014	1400	0.0	Light brown sandy silt
DU-2B-47	11/13/2014	1410	0.0	Brown silt with trace clay and gravel
DU-2B-48	11/13/2014	1415	0.0	Light brown sandy silt
DU-2B-49	11/13/2014	1430	0.0	Brown sandy silt
DU-2C-1	11/13/2014	1500	0.0	Brown sandy silt with rock fragments
DU-2C-2	11/13/2014	1515	0.0	Light brown sandy silt
DU-2C-3	11/13/2014	1520	0.0	Light brown sandy silt with trace gravel
DU-2C-4	11/13/2014	1550	0.0	Dark brown silt with rock and gravel fragments
DU-2C-5	11/13/2014	1600	0.0	Dark brown silt transitioning to light brown sandy silt
DU-2C-6	11/13/2014	1605	0.0	Dark brown silt transitioning to light brown sandy silt
DU-2C-7	11/13/2014	1610	0.0	Dark brown silt transitioning to light brown sandy silt
DU-2C-8	11/13/2014	1615	0.0	Light brown sandy silt with trace clay
DU-2C-9	11/13/2014	1620	0.0	Dark brown silt transitioning to brown sandy silt
DU-2C-10	11/13/2014	1625	0.0	Brown sandy silt
DU-2C-11	11/14/2014	900	0.0	Light brown sandy silt
DU-2C-12	11/14/2014	920	0.0	Light brown sandy silt
DU-2C-13	11/14/2014	930	0.0	Brown sandy silt with trace clay
DU-2C-14	11/14/2014	1010	0.0	Brown sandy silt with trace gravel
DU-2C-15	11/14/2014	1020	0.0	Brown sandy silt with trace gravel
DU-2C-16	11/14/2014	1100	0.0	Light brown sandy silt
DU-2C-17	11/14/2014	1120	0.0	Dark brown silt with trace sand
DU-2C-18	11/14/2014	1140	0.0	Dark brown sandy silt
DU-2C-19	11/14/2014	1200	0.0	Dark brown silt with gray gravel fragments
DU-2C-20	11/17/2014	1330	0.0	Brown wet silty sand with trace clay
DU-2C-21	11/17/2014	1340	0.0	Brown wet silty sand with trace clay
DU-2C-22	11/17/2014	1350	0.0	Brown wet silt with trace clay
DU-2C-23	11/17/2014	1410	0.0	Dark brown silt with trace clay
DU-2C-24	11/17/2014	1420	0.0	Dark brown silt with trace clay, wet
DU-2C-25	11/17/2014	1515	0.0	Brown sandy silt
DU-2C-26	11/17/2014	1525	0.0	Dark to light brown sandy silt
DU-2C-27	11/17/2014	1535	0.0	Light brown sand with trace silt
DU-2C-28	11/17/2014	1545	0.0	Dark brown sandy silt
DU-2C-29	11/17/2014	1555	0.0	Light brown sandy silt
DU-2C-30	11/17/2014	1605	0.0	Light brown sand with trace silt
DU-2C-31	11/18/2014	910	0.0	Brown sandy silt
DU-2C-32	11/18/2014	920	0.0	Light brown sandy silt
DU-2C-33	11/18/2014	930	0.0	Light brown sandy silt
DU-2C-34	11/18/2014	940	0.0	Brown sandy silt
DU-2C-35	11/18/2014	950	0.0	Brown sandy silt
DU-2C-36	11/18/2014	1000	0.0	Light brown sandy silt
DU-2C-37	11/18/2014	1005	0.0	Dark brown wet sandy silt
DU-2C-38	11/18/2014	1010	0.0	Light brown sandy silt with trace clay
DU-2C-39	11/18/2014	1020	0.0	Brownish gray sandy silt with trace clay
DU-2C-40	11/18/2014	1030	0.0	Grayish brown sandy silt
DU-2C-41	11/18/2014	1040	0.0	Dark brown sandy silt
DU-2C-42	11/18/2014	1050	0.0	Light brown sandy silt
DU-2C-43	11/18/2014	1100	0.0	Dark brown with gray mottling sandy silt
DU-2C-44	11/18/2014	1110	0.0	Light brown sandy silt
DU-2C-45	11/18/2014	1120	0.0	Light brown sandy silt
DU-2C-46	11/18/2014	1130	0.0	Light brown sandy silt
DU-2C-47	11/18/2014	1140	0.0	Light brown sandy silt
DU-2C-48	11/18/2014	1150	0.0	Light brown sandy silt
DU-2C-49	11/18/2014	1200	0.0	Light brown sandy silt
DU-3A-1	11/18/2014	1345	0.0	Dark brown with black mottling and rocks, sandy silt
DU-3A-2	11/18/2014	1355	0.0	Dark brown sandy silt with rocks
DU-3A-3	11/18/2014	1405	0.0	Brown sandy silt
DU-3A-4	11/18/2014	1415	0.0	Brown with black mottling sandy silt with gravel
DU-3A-5	11/18/2014	1425	0.0	Brown sandy silt with gravel
DU-3A-6	11/18/2014	1435	0.0	Dark brown sandy silt with rocks
DU-3A-7	11/18/2014	1445	0.0	Dark brown sandy silt
DU-3A-8	11/18/2014	1505	0.0	Brown sandy silt with rock fragments
DU-3A-9	11/18/2014	1525	0.0	Light brown sandy silt with rock

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DU-3A-10	11/18/2014	1545	0.0	Brown sandy silt
DU-3A-11	11/19/2014	830	0.0	Light brown sandy silt
DU-3A-12	11/19/2014	840	0.0	Light brown sandy silt
DU-3A-13	11/19/2014	845	0.0	Brown sandy silt with rock
DU-3A-14	11/19/2014	850	0.0	Orange with brown mottling silt with trace clay and rocks fragments
DU-3A-15	11/19/2014	855	0.0	Orange with brown mottling silt with trace clay and rocks
DU-3A-16	11/19/2014	900	0.0	Dark brown / gray with orange mottling sandy silt with trace clay and rocks
DU-3A-17	11/19/2014	910	0.0	Orange silt with trace gravel
DU-3A-18	11/19/2014	915	0.0	Light brown sandy silt
DU-3A-19	11/19/2014	920	0.0	Light brown sandy silt with trace gravel
DU-3A-20	11/19/2014	925	0.0	Light brown silt with trace sand
DU-3A-21	11/19/2014	930	0.0	Orange sandy silt with trace clay with layer of gray rock and gravel
DU-3A-22	11/19/2014	935	0.0	Orange brown sandy silt with rocks
DU-3A-23	11/19/2014	940	0.0	Brown sandy silt
DU-3A-24	11/19/2014	945	0.0	Brown sandy silt transitioning to dark brown silt
DU-3A-25	11/19/2014	950	0.0	Light brown silt with trace clay
DU-3B-1	11/19/2014	1045	0.0	Dark brown sandy silt with rock fragments
DU-3B-2	11/19/2014	1050	0.0	Brown with sandy silt and gray rock fragments
DU-3B-3	11/19/2014	1055	0.0	Dark brown silt to orange sandy clay to light brown sand
DU-3B-4	11/19/2014	1100	0.0	Brown sandy silt with gravel
DU-3B-5	11/19/2014	1105	0.0	Dark brown sandy silt with gravel
DU-3B-6	11/19/2014	1110	0.0	Brown / gray sandy silt with gravel
DU-3B-7	11/19/2014	1115	0.0	Brown sandy silt with gravel
DU-3B-8	11/19/2014	1120	0.0	Light brown sandy silt
DU-3B-9	11/19/2014	1125	0.0	Brown sandy silt with black mottling rock fragments and trace clay
DU-3B-10	11/19/2014	1300	0.0	Dark brown sandy silt with rock fragments
DU-3B-11	11/19/2014	1305	0.0	Light brown sandy silt with black rock fragments
DU-3B-12	11/19/2014	1310	0.0	Light brown sandy silt
DU-3B-13	11/19/2014	1315	0.0	Brown / orange sandy silt with trace clay and rock fragments
DU-3B-14	11/19/2014	1320	0.0	Orange silty clay with rock fragments
DU-3B-15	11/19/2014	1325	0.0	Brown sandy silt with rock fragments
DU-3B-16	11/19/2014	1330	0.0	Brown sandy silt with large gray rock fragments
DU-3B-17	11/19/2014	1335	0.0	Orange silty clay with large rock fragments
DU-3B-18	11/19/2014	1340	0.0	Orange silty clay with gray rock fragments
DU-3B-19	11/19/2014	1345	0.0	Light brown sand with large gray rock fragments
DU-3B-20	11/19/2014	1350	0.0	Light brown sand with trace silt
DU-3B-21	11/19/2014	1355	0.0	Light brown sandy silt
DU-3B-22	11/19/2014	1400	0.0	Light brown silty clay
DU-3B-23	11/19/2014	1405	0.0	Brown silt with trace clay
DU-3B-24	11/19/2014	1410	0.0	Brown silt with gray mottling and trace clay
DU-3B-25	11/19/2014	1415	0.0	Brown / orange silt with trace clay
DU-3C-1	11/19/2014	1435	0.0	Light brown with gray mottling sandy silt with large rock fragments
DU-3C-2	11/19/2014	1440	0.0	Gray / brown sandy silt with large rock fragments
DU-3C-3	11/19/2014	1445	0.0	Dark brown sandy silt
DU-3C-4	11/19/2014	1450	0.0	Light brown sandy silt
DU-3C-5	11/19/2014	1455	0.0	Light brown sandy silt with trace clay and rock
DU-3C-6	11/19/2014	1500	0.0	Orange brown silty clay
DU-3C-7	11/19/2014	1505	0.0	Dark brown with gray sandy silt
DU-3C-8	11/19/2014	1510	0.0	Gray gravel with sand
DU-3C-9	11/19/2014	1515	0.0	Dark brown silt with sand and gravel
DU-3C-10	11/19/2014	1520	0.0	Light brown sandy silt with gravel
DU-3C-11	11/20/2014	830	0.0	Light brown sandy silt with black gravel
DU-3C-12	11/20/2014	840	0.0	Brown sandy silt with rock fragments
DU-3C-13	11/20/2014	845	0.0	Dark brown sandy silt with rock fragments
DU-3C-14	11/20/2014	850	0.0	Dark brown sandy silt with large rock fragments
DU-3C-15	11/20/2014	855	0.0	Dark brown / gray sandy silt with rock fragments
DU-3C-16	11/20/2014	900	0.0	Orange sandy silt with clay
DU-3C-17	11/20/2014	905	0.0	Orange silty clay with large rock fragments
DU-3C-18	11/20/2014	915	0.0	Light brown sand with large rock fragments
DU-3C-19	11/20/2014	920	0.0	Dark brown sandy silt
DU-3C-20	11/20/2014	925	0.0	Dark brown sandy silt
DU-3C-21	11/20/2014	940	0.0	Brown sandy silt
DU-3C-22	11/20/2014	945	0.0	Light brown silty clay
DU-3C-23	11/20/2014	950	0.0	Dark brown sandy silt
DU-3C-24	11/20/2014	955	0.0	Brown sandy silt
DU-3C-25	11/20/2014	1000	0.0	Brown sandy silt
DU-4A-1	11/20/2014	1050	0.0	Light brown sandy silt with trace gravel
DU-4A-2	11/20/2014	1055	0.0	Light brown sandy silt
DU-4A-3	11/20/2014	1105	0.0	Light brown sandy silt
DU-4A-4	11/20/2014	1115	0.0	Orange silty clay with rock fragments
DU-4A-5	11/20/2014	1120	0.0	Brown sandy silt with trace gravel
DU-4A-6	11/20/2014	1125	0.0	Gray silt with gravel and rock fragments
DU-4A-7	11/20/2014	1130	0.0	Brown sandy silt
DU-4A-8	11/20/2014	1135	0.0	Brown sandy silt with layer of orange silty clay
DU-4A-9	11/20/2014	1140	0.0	Orange silty clay transitioning to gray silty clay with gravel
DU-4A-10	11/20/2014	1145	0.0	Brown sandy silt
DU-4A-11	11/20/2014	1310	0.0	Dark brown sandy silt with rock fragments
DU-4A-12	11/20/2014	1320	0.0	Wet gray gravel with silt
DU-4A-13	11/20/2014	1325	0.0	Light brown sandy silt
DU-4A-14	11/20/2014	1330	0.0	Light brown sandy silt
DU-4A-15	11/20/2014	1335	0.0	Wet brown silty sand with gravel
DU-4A-16	11/20/2014	1340	0.0	Light brown sandy silt
DU-4A-17	11/20/2014	1345	0.0	Brown sandy silt with large rock fragments and gravel

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DU-4A-18	11/20/2014	1350	0.0	Light brown sandy silt
DU-4A-19	11/20/2014	1355	0.0	Light brown sandy silt
DU-4A-20	11/20/2014	1400	0.0	Orange sandy silt with trace clay and gravel
DU-4A-21	11/20/2014	1405	0.0	Light brown sandy silt
DU-4A-22	11/20/2014	1420	0.0	Gray sandy silt with gravel
DU-4A-23	11/20/2014	1430	0.0	Orange silty clay with gravel
DU-4A-24	11/20/2014	1435	0.0	Orange silty clay with trace gravel
DU-4A-25	11/20/2014	1440	0.0	Light brown sandy silt
DU-4A-26	11/20/2014	1445	0.0	Gray to brown sandy silt with gravel
DU-4A-27	11/20/2014	1450	0.0	Gray silt with gravel
DU-4A-28	11/20/2014	1455	0.0	Dark brown gray silt with gravel
DU-4A-29	11/20/2014	1505	0.0	Light brown sandy silt
DU-4A-30	11/20/2014	1510	0.0	Orange silty clay with gray gravel
DU-4A-31	11/20/2014	1515	0.0	Orange silty clay with gray gravel
DU-4A-32	11/20/2014	1520	0.0	Brown sandy silt with trace clay and gravel
DU-4A-33	11/20/2014	1525	0.0	Gray gravel mixed with brown silt
DU-4A-34	11/20/2014	1530	0.0	Brown silty sand with gravel and rock fragments
DU-4A-35	11/20/2014	1535	0.0	Brown silt with gray gravel and rock fragments
DU-4A-36	11/21/2014	830	0.0	Brown sandy silt with gravel and rocks
DU-4A-37	11/21/2014	835	0.0	Light brown sandy silt with rock fragments
DU-4A-38	11/21/2014	840	0.0	Brown sandy silt with gravel and rock fragments
DU-4A-39	11/21/2014	845	0.0	Orange silty clay transitioning into light brown sandy silt with trace gravel
DU-4A-40	11/21/2014	850	0.0	Brown sandy silt with gravel and rock fragments
DU-4A-41	11/21/2014	855	0.0	Brown sandy silt with trace gravel and rock fragments
DU-4A-42	11/21/2014	905	0.0	Light brown sandy silt with trace gravel
DU-4A-43	11/21/2014	910	0.0	Orange / brown sandy silt with trace clay
DU-4A-44	11/21/2014	915	0.0	Orange mixed with gray and brown sandy silt with trace clay and rock
DU-4A-45	11/21/2014	925	0.0	Light brown with orange tint sandy silt with clay and gravel
DU-4A-46	11/21/2014	930	0.0	Orange transitioning to light brown sandy silt with clay and gravel
DU-4A-47	11/21/2014	935	0.0	Orange with red mottling sandy silt with clay and gravel
DU-4B-1	12/4/2014	830	NR	Sandy loam, light brown
DU-4B-2	12/4/2014	845	NR	Sandy loam, grayish brown
DU-4B-3	12/4/2014	855	NR	Sandy loam, light brown
DU-4B-4	12/4/2014	905	NR	Sandy loam, grayish light brown
DU-4B-5	12/4/2014	915	NR	Silt sandy loam, reddish light brown
DU-4B-6	12/4/2014	930	NR	Sandy loam, light brown
DU-4B-7	12/4/2014	940	NR	Sandy loam, light brown
DU-4B-8	12/4/2014	950	NR	Sandy loam / gravel, grayish light brown
DU-4B-9	12/4/2014	1000	NR	Sandy silt gravel, brownish gray, sheet metal shards
DU-4B-10	12/4/2014	1010	NR	Wet sandy silt gravel, brownish gray
DU-4B-11	12/4/2014	1025	NR	Sandy loam, brownish gray
DU-4B-12	12/4/2014	1035	NR	Sandy silt / gravel, brownish gray
DU-4B-13	12/4/2014	1045	NR	Sandy loam / gravel, grayish light brown
DU-4B-14	12/4/2014	1050	NR	Sandy loam / gravel, brownish gray
DU-4B-15	12/4/2014	1100	NR	Sandy loam / gravel, brownish gray
DU-4B-16	12/4/2014	1105	NR	Sandy loam / gravel, brownish gray
DU-4B-17	12/4/2014	1115	NR	Sandy loam / gravel, light brown
DU-4B-18	12/4/2014	1255	NR	Sandy loam, light brown
DU-4B-19	12/4/2014	1300	NR	Sandy loam, light brown
DU-4B-20	12/4/2014	1305	NR	Sandy loam, light brown
DU-4B-21	12/4/2014	1315	NR	Sandy loam, light brown
DU-4B-22	12/4/2014	1325	NR	Sandy loam / gravel, brownish dark gray
DU-4B-23	12/4/2014	1335	NR	Sandy loam / gravel, reddish light brown / gray
DU-4B-24	12/4/2014	1345	NR	Sandy loam / gravel, grayish dark brown
DU-4B-25	12/4/2014	1350	NR	Sandy loam, light brown
DU-4B-26	12/4/2014	1400	NR	Sandy clay, light brown with red clay pack
DU-4B-27	12/4/2014	1405	NR	Sandy loam, light brown
DU-4B-28	12/4/2014	1420	NR	Sandy loam / gravel, gray
DU-4B-29	12/4/2014	1505	NR	Sandy loam / gravel, brownish gray
DU-4B-30	12/4/2014	1515	NR	Sandy clay, brownish red with some gravel
DU-4B-31	12/4/2014	1520	NR	Sandy clay with some gravel, brownish red
DU-4B-32	12/4/2014	1530	NR	Sandy gravel, gray
DU-4B-33	12/4/2014	1535	NR	Sandy loam / gravel, grayish brown
DU-4B-34	12/4/2014	1545	NR	Sandy gravel, gray
DU-4B-35	12/4/2014	1550	NR	Sandy loam / gravel, grayish brown
DU-4B-36	12/4/2014	1600	NR	Sandy loam / gravel, grayish brown, asphalt and red brick fragments
DU-4B-37	12/4/2014	1610	NR	Sandy loam, light brown
DU-4B-38	12/4/2014	1615	NR	Sandy loam / gravel, brownish gray
DU-4B-39	12/4/2014	1625	NR	Sandy loam / gravel, brownish gray
DU-4B-40	12/5/2014	825	NR	Sandy loam / gravel, brownish gray
DU-4B-41	12/5/2014	835	NR	Sandy loam / gravel, light brownish gray
DU-4B-42	12/5/2014	845	NR	Sandy loam / clay / gravel, light brown
DU-4B-43	12/5/2014	855	NR	Sandy clay, red / brownish red
DU-4B-44	12/5/2014	905	NR	Sandy loam, light brown
DU-4B-45	12/5/2014	915	NR	Sandy loam / gravel, grayish light brown
DU-4B-46	12/5/2014	920	NR	Sandy loam, reddish light brown
DU-4B-47	12/5/2014	930	NR	Sandy loam / gravel, reddish light brown
DU-4C-1	12/4/2014	840	0.0	Light brown to gray sandy silt with some rocks
DU-4C-2	12/4/2014	850	0.0	Brown sandy silt
DU-4C-3	12/4/2014	900	0.0	Light brown sandy silt
DU-4C-4	12/4/2014	910	0.0	Light brown sandy silt with some gray mottling
DU-4C-5	12/4/2014	920	0.0	Light tan sandy silt with some dark tan mottling
DU-4C-6	12/4/2014	930	0.0	Orange to light tan sandy silt with some rocks

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DU-4C-7	12/4/2014	945	0.0	Brown to light brown sandy silt with some rocks and organics
DU-4C-8	12/4/2014	955	0.0	Orange / light brown silt with sand and some clay to gray sandy silt with gravel
DU-4C-9	12/4/2014	1005	0.0	Light tan sandy silt to gray sandy silt with gravels, rocks, and organics, wet
DU-4C-10	12/4/2014	1015	0.0	Light brown sandy silt with some clay and orange mottling
DU-4C-11	12/4/2014	1030	0.0	Brown sandy silt with rocks and organics
DU-4C-12	12/4/2014	1040	0.0	Orange to gray sandy silt with gravel
DU-4C-13	12/4/2014	1050	0.0	Light tan sandy silt with some rocks
DU-4C-14	12/4/2014	1100	0.0	Orange sandy silt to gray sandy silt with gravel
DU-4C-15	12/4/2014	1105	0.0	Light tan to gray sandy silt with gravel
DU-4C-16	12/4/2014	1115	0.0	Light brown sandy silt with rocks and organics
DU-4C-17	12/4/2014	1125	0.0	Brown to tan sandy silt with rocks
DU-4C-18	12/4/2014	1255	0.0	Light tan sandy silt with some white mottling
DU-4C-19	12/4/2014	1305	0.0	Brown to light tan sandy silt with some rocks
DU-4C-20	12/4/2014	1315	0.0	Brown to light brown silt with trace sand
DU-4C-21	12/4/2014	1320	0.0	Light brown to tan sandy silt
DU-4C-22	12/4/2014	1330	NR	Orange to dark gray sandy silt with gravel and trace clay
DU-4C-23	12/4/2014	1340	0.0	Brown sandy silt with rocks and gravel
DU-4C-24	12/4/2014	1355	0.0	Light tan silty sand with some rocks
DU-4C-25	12/4/2014	1405	0.0	Tan sandy silt with rocks and organics
DU-4C-26	12/4/2014	1400	0.0	Tan to red silt to clay with trace sand
DU-4C-27	12/4/2014	1415	0.0	Light brown sandy silt with rocks and debris
DU-4C-28	12/4/2014	1425	0.0	Brown sandy silt with rocks and gravel
DU-4C-29	12/4/2014	1510	0.0	Gray sandy silt with gravel
DU-4C-30	12/4/2014	1520	0.0	Red / orange clay to gray sandy silt with rocks
DU-4C-31	12/4/2014	1530	0.0	Orange / red silty clay with some rocks
DU-4C-32	12/4/2014	1535	0.0	Gray sandy silt with lots of gravel
DU-4C-33	12/4/2014	1540	0.0	Dark brown sandy silt with rocks and red brick fragments
DU-4C-34	12/4/2014	1550	0.0	Gray to brown sandy silt with gravel and some black motteling
DU-4C-35	12/4/2014	1555	0.0	Brown to gray sandy silt with gravel and organics
DU-4C-36	12/4/2014	1605	NR	Orange to brown sandy silt
DU-4C-37	12/4/2014	1615	NR	Orange to brown sandy silt with rocks and gravel
DU-4C-38	12/4/2014	1620	NR	Orange to light brown sandy silt with rocks
DU-4C-39	12/4/2014	1630	0.0	Gray to brown sandy silt with rocks and gravel
DU-4C-40	12/5/2014	830	NR	Gray sandy silt with gravel
DU-4C-41	12/5/2014	840	NR	Brown sandy silt with rocks and gravel
DU-4C-42	12/5/2014	850	NR	Light brown sandy silt with rocks and gravel
DU-4C-43	12/5/2014	900	NR	Red clay to orange sandy silt and few rocks
DU-4C-44	12/5/2014	910	NR	Light brown to tan sandy silt with rocks
DU-4C-45	12/5/2014	920	NR	Light brown to black sandy silt with rocks and a piece of plastic debris
DU-4C-46	12/5/2014	925	NR	Tan sandy silt with red clay mottling
DU-4C-47	12/5/2014	935	0.0	Tan to orange red sandy silt with clay
DU-5A-1	12/8/2014	1340	0.0	Brown silt transitioning to gray gravel
DU-5A-2	12/8/2014	1355	0.0	Light brown sandy silt with gray rock fragments
DU-5A-3	12/8/2014	1410	0.0	Light brown sandy silt with trace orange clay
DU-5A-4	12/8/2014	1435	0.0	Light brown sandy silt
DU-5A-5	12/8/2014	1445	0.0	Light brown sandy silt
DU-5A-6	12/8/2014	1455	0.0	Light brown sandy silt
DU-5A-7	12/8/2014	1525	0.0	Brown sandy silt with gravel
DU-5A-8	12/8/2014	1535	0.0	Brown silt with trace sand
DU-5A-9	12/8/2014	1545	0.0	Light brown sandy silt with dark brown silty clay mottling
DU-5A-10	12/8/2014	1555	0.0	Gray silt with gravel and large rock fragments
DU-5A-11	12/9/2014	840	0.0	Light brown sandy silt with trace clay
DU-5A-12	12/9/2014	850	0.0	Dark brown silty clay transitioning to light brown / gray sandy silt
DU-5A-13	12/9/2014	900	0.0	Light brown sandy silt with trace clay
DU-5A-14	12/9/2014	910	0.0	Light brown sandy silt with large rock fragments
DU-5A-15	12/9/2014	915	0.0	Light brown sandy silt
DU-5A-16	12/9/2014	920	0.0	Brown silt with rock fragments and gravel
DU-5A-17	12/9/2014	925	0.0	Light brown sandy silt
DU-5A-18	12/9/2014	930	0.0	Light brown sandy silt with 3" gravel layer
DU-5A-19	12/9/2014	940	0.0	Rock fragments transitioning to small layer of black gravel then brown sandy silt
DU-5A-20	12/9/2014	950	0.0	Light brown sandy silt
DU-5A-21	12/9/2014	1040	0.0	Red orange sandy clay with trace gravel
DU-5A-22	12/9/2014	1050	0.0	Dark brown sandy gravel transitioning to brown sandy silt with trace clay
DU-5A-23	12/9/2014	1120	0.0	Dark brown sandy gravel transitioning to sandy silt with trace clay
DU-5A-24	12/9/2014	1130	0.0	Brownish orange sandy silt with clay
DU-5A-25	12/9/2014	1305	0.0	Gray brown sandy silt with gravel and rock fragments
DU-5A-26	12/9/2014	1315	0.0	Red orange clay
DU-5A-27	12/9/2014	1325	0.0	Orange clay mixed with brown sandy silt
DU-5A-28	12/9/2014	1335	0.0	Brown silty clay with gravel and rock fragments
DU-5A-29	12/9/2014	1345	0.0	Light brown to gray sandy silt
DU-5A-30	12/9/2014	1355	0.0	Light brown sandy silt with rock fragments
DU-5A-31	12/9/2014	1405	0.0	Light brown sandy silt with trace clay and gravel
DU-5A-32	12/9/2014	1415	0.0	Brown orange silt with clay
DU-5A-33	12/9/2014	1425	0.0	Dark brown silt with rock fragments
DU-5A-34	12/9/2014	1435	0.0	Light brown sandy silt
DU-5A-35	12/9/2014	1445	0.0	Brown orange sandy silt with clay
DU-5A-36	12/9/2014	1515	0.0	Orange brown sandy silt with clay
DU-5A-37	12/9/2014	1525	0.0	Brown gray sandy silt with trace gravel
DU-5A-38	12/9/2014	1540	0.0	Light brown with light orange silty clay with gravel
DU-5A-39	12/9/2014	1550	0.0	Gray brown silt with gravel and sand
DU-5A-40	12/9/2014	1600	0.0	Light brown with light orange silty clay with trace gravel and sand
DU-5A-41	12/9/2014	1615	0.0	Light brown sandy silt with trace clay
DU-5B-1	12/8/2014	1340	NR	Sandy loam / gravel, brown / light brown

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION
DU-5B-2	12/8/2014	1355	NR	Sandy loam / gravel, grayish brown
DU-5B-3	12/8/2014	1415	NR	Sandy gravel, brownish gray
DU-5B-4	12/8/2014	1455	NR	Sandy loam / gravel, brownish gray
DU-5B-5	12/8/2014	1510	NR	Sandy loam, light brown
DU-5B-6	12/8/2014	1520	NR	Sandy loam / wet, light brown
DU-5B-7	12/8/2014	1530	NR	Sandy loam / gravel, wet, light brown
DU-5B-8	12/8/2014	1535	NR	Sandy loam, light brown
DU-5B-9	12/8/2014	1545	NR	Silt / clay, blackish, dark brown
DU-5B-10	12/8/2014	1555	NR	Sandy loam, light brown
DU-5B-11	12/9/2014	835	NR	Sandy loam, light brown / grayish, asphalt
DU-5B-12	12/9/2014	845	NR	Silt / sandy loam, brown
DU-5B-13	12/9/2014	850	NR	Sandy loam / gravel, light brown
DU-5B-14	12/9/2014	855	NR	Sandy loam / gravel, grayish, light brown
DU-5B-15	12/9/2014	905	NR	Sandy loam / gravel, grayish, light brown
DU-5B-16	12/9/2014	915	NR	Silt / sandy loam, brownish, light brown
DU-5B-17	12/9/2014	925	NR	Sandy loam, light brown
DU-5B-18	12/9/2014	945	NR	Sandy loam / gravel, light brown
DU-5B-19	12/9/2014	1000	NR	Sandy loam / gravel, grayish light brown
DU-5B-20	12/9/2014	1040	NR	Sandy loam / gravel, grayish light brown
DU-5B-21	12/9/2014	1110	NR	Sandy loam / gravel, grayish, reddish light brown
DU-5B-22	12/9/2014	1120	NR	Sandy loam / gravel, grayish / reddish brown
DU-5B-23	12/9/2014	1130	NR	Silt / sandy loam, reddish light brown
DU-5B-24	12/9/2014	1140	NR	Silt / sandy loam / gravel, light brown / reddish
DU-5B-25	12/9/2014	1300	NR	Sandy loam, reddish grayish light brown
DU-5B-26	12/9/2014	1315	NR	Silt sandy loam, reddish brown
DU-5B-27	12/9/2014	1325	NR	Silt sandy clay, reddish brown
DU-5B-28	12/9/2014	1330	NR	Sandy loam, light brown
DU-5B-29	12/9/2014	1350	NR	Sandy loam, brownish light brown
DU-5B-30	12/9/2014	1400	NR	Sandy loam / gravel, reddish light brown
DU-5B-31	12/9/2014	1415	NR	Silt sandy loam, reddish light brown
DU-5B-32	12/9/2014	1425	NR	Sandy clay, reddish / pinkish light brown
DU-5B-33	12/9/2014	1430	NR	Sandy clay, reddish brown
DU-5B-34	12/9/2014	1440	NR	Sandy loam, light brown
DU-5B-35	12/9/2014	1445	NR	Silt sandy loam, reddish light brown
DU-5B-36	12/9/2014	1530	NR	Silt sandy loam, reddish light brown
DU-5B-37	12/9/2014	1540	NR	Sandy loam, reddish light brown
DU-5B-38	12/9/2014	1550	NR	Sandy loam, light brown
DU-5B-39	12/9/2014	1600	NR	Sandy loam, reddish light brown
DU-5B-40	12/9/2014	1605	NR	Sandy loam gravel, grayish light brown
DU-5B-41	12/9/2014	1615	NR	Sandy loam, reddish light brown
DU-5C-1	12/8/2014	1340	0.0	Brown sandy silt with rocks
DU-5C-2	12/8/2014	1355	0.0	Brown sandy silt with rocks and red brick debris
DU-5C-3	12/8/2014	1405	0.0	Light brown to brown sandy silt with rocks, dark gray porous rocks
DU-5C-4	12/8/2014	1455	0.0	Brown sandy silt with rocks
DU-5C-5	12/8/2014	1405	0.0	Brown sandy silt with rocks
DU-5C-6	12/8/2014	1415	0.0	Tan to gray sandy silt with some rocks and trace clay
DU-5C-7	12/8/2014	1425	0.0	Brown sandy silt with rocks and organics
DU-5C-8	12/8/2014	1535	0.0	Brown sandy silt with some orange clay and some organics
DU-5C-9	12/8/2014	1545	0.0	Brown sandy silt, wet
DU-5C-10	12/8/2014	1555	0.0	Brown sandy silt with rocks
DU-5C-11	12/9/2014	835	0.0	Brown sandy silt with rocks
DU-5C-12	12/9/2014	845	0.0	Brown to tan sandy silt with clay and some orange mottling
DU-5C-13	12/9/2014	855	0.0	Brown to tan sandy silt
DU-5C-14	12/9/2014	905	0.0	Brown to light brown sandy silt
DU-5C-15	12/9/2014	915	0.0	Light brown sandy silt with white mottling, some rocks and gravel
DU-5C-16	12/9/2014	920	0.0	Orange to light brown sandy silt with rocks
DU-5C-17	12/9/2014	925	0.0	Brown sandy silt with rocks
DU-5C-18	12/9/2014	935	0.0	Brown sandy silt with rocks
DU-5C-19	12/9/2014	945	0.0	Brown to light brown sandy silt with rocks and some clay
DU-5C-20	12/9/2014	1005	0.0	Brown sandy silt with rocks
DU-5C-21	12/9/2014	1100	0.0	Orange / brown / tan sandy silt with some rocks and some clay finds
DU-5C-22	12/9/2014	1105	0.0	Brown sandy silt with some black mottling and some rocks
DU-5C-23	12/9/2014	1115	0.0	Gray to tan sandy silt with rocks and gravel
DU-5C-24	12/9/2014	1125	0.0	Gray / black to tan sandy silt with gravel and rocks
DU-5C-25	12/9/2014	1305	0.0	Light tan sandy silt
DU-5C-26	12/9/2014	1315	0.0	Orange to tan sandy silt with clay
DU-5C-27	12/9/2014	1325	0.0	Dark tan to orange sandy silt with clay
DU-5C-28	12/9/2014	1335	0.0	Brown sandy silt with some organics and some rocks
DU-5C-29	12/9/2014	1345	0.0	Tan sandy silt with some gravel
DU-5C-30	12/9/2014	1355	0.0	Tan sandy silt with some rocks
DU-5C-31	12/9/2014	1405	0.0	Light brown to tan sandy silt with some rocks
DU-5C-32	12/9/2014	1415	0.0	Light tan sandy silt
DU-5C-33	12/9/2014	1425	0.0	Brown to light brown sandy silt with rocks and organics
DU-5C-34	12/9/2014	1435	0.0	Brown sandy silt with rocks and some organics
DU-5C-35	12/9/2014	1445	0.0	Tan sandy silt with few rocks
DU-5C-36	12/9/2014	1540	0.0	Tan to orange to gray sandy silt with some clay and rocks
DU-5C-37	12/9/2014	1545	0.0	Brown sandy silt with rocks
DU-5C-38	12/9/2014	1555	0.0	Gray to tan sandy silt with rocks and gravel
DU-5C-39	12/9/2014	1605	0.0	Brown to tan sandy silt with rocks
DU-5C-40	12/9/2014	1610	0.0	Tan to orange sandy silt with clay
DU-5C-41	12/9/2014	1615	0.0	Brownish tan sandy silt with some clay
DU-6A-1	12/10/2014	835	0.0	Silty clay, orange brown with trace gravel
DU-6A-2	12/10/2014	845	0.0	Silty clay brown

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION
DU-6A-3	12/10/2014	855	0.0	Dark brown silt
DU-6A-4	12/10/2014	905	0.0	Brown silty sand with gravel
DU-6A-5	12/10/2014	915	0.0	Brown with orange tint clay with trace silt and gravel
DU-6A-6	12/10/2014	920	0.0	Dark brown sandy silt with trace clay and gravel
DU-6A-7	12/10/2014	930	0.0	Dark brown silt with gravel and trace clay
DU-6A-8	12/10/2014	940	0.0	Orange brown silty clay with trace gravel
DU-6A-9	12/10/2014	950	0.0	Light brown sandy silt
DU-6A-10	12/10/2014	1100	0.0	Light brown sandy silt with rock fragments
DU-6A-11	12/10/2014	1110	0.0	Dark brown sandy silt with gravel
DU-6A-12	12/10/2014	1120	0.0	Brown sandy silt with gravel
DU-6A-13	12/10/2014	1130	0.0	Dark brown sandy silt with gravel
DU-6A-14	12/10/2014	1140	0.0	Dark brown sandy silt
DU-6A-15	12/10/2014	1150	0.0	Light brown sand with silt
DU-6A-16	12/10/2014	1200	0.0	Light brown sandy silt
DU-6A-17	12/10/2014	1300	0.0	Brown sand silt with gravel, gray
DU-6A-18	12/10/2014	1310	0.0	Light brown sandy silt with gravel
DU-6A-19	12/10/2014	1320	0.0	Brown sandy silt with trace clay
DU-6A-20	12/10/2014	1330	0.0	Light brow sandy silt with trace clay
DU-6A-21	12/10/2014	1340	0.0	Tan silt with fine sand
DU-6A-22	12/10/2014	1350	0.0	Brown transitioning to tan silt with fine sand and trace rock fragments
DU-6A-23	12/10/2014	1400	0.0	Brown sandy silt with trace gravel
DU-6A-24	12/10/2014	1410	0.0	Dark brown sandy silt with rock fragments
DU-6A-25	12/10/2014	1420	0.0	Dark brown silt with gravel and rock fragments
DU-6A-26	12/10/2014	1430	0.0	Dark brown sandy silt
DU-6A-27	12/10/2014	1515	0.0	Dark brown sandy silt with gravel
DU-6A-28	12/10/2014	1525	0.0	Light brown sandy silt
DU-6A-29	12/10/2014	1535	0.0	Light brown sandy silt
DU-6A-30	12/10/2014	1540	0.0	Light brown sandy silt
DU-6A-31	12/10/2014	1545	0.0	Light brown transitioning to gray sandy silt
DU-6A-32	12/10/2014	1550	0.0	Dark brown sandy silt with gravel
DU-6A-33	12/11/2014	845	0.0	Brown sandy silt with gravel
DU-6A-34	12/11/2014	850	0.0	Brown / gray silty sand with gravel and rock fragments
DU-6A-35	12/11/2014	855	0.0	Orange brown silty clay
DU-6A-36	12/11/2014	900	0.0	Brown sandy silt
DU-6A-37	12/11/2014	910	0.0	Brown silty sand with trace rock fragments
DU-6A-38	12/11/2014	915	0.0	Brown sandy silt with trace gravel
DU-6A-39	12/11/2014	925	0.0	Brown sandy silt with trace gravel
DU-6A-40	12/11/2014	935	0.0	Light brown sandy silt with trace gravel
DU-6A-41	12/11/2014	950	0.0	Brown silty clay with trace gravel
DU-6A-42	12/11/2014	1100	0.0	Brown sandy silt with trace gravel
DU-6A-43	12/11/2014	1100	0.0	Light brown sandy silt
DU-6A-44	12/11/2014	1110	0.0	Brown with orange tint silty clay with trace gravel
DU-6A-45	12/11/2014	1120	0.0	Brown sandy silt with gravel
DU-6A-46	12/11/2014	1130	0.0	Dark brown sandy silt with gravel
DU-6A-47	12/11/2014	1140	0.0	Dark brown silty clay with gravel
DU-6A-48	12/11/2014	1150	0.0	Brown sandy silt with gravel
DU-6B-1	12/10/2014	835	NR	Silt sandy loam, reddish brown
DU-6B-2	12/10/2014	840	NR	Sandy loam, light brown
DU-6B-3	12/10/2014	850	NR	Sandy loam, red / light brown
DU-6B-4	12/10/2014	900	NR	Silt / sandy loam, reddish light brown
DU-6B-5	12/10/2014	905	NR	Sandy clay, red / light brown
DU-6B-6	12/10/2014	915	NR	Sandy loam, light brown
DU-6B-7	12/10/2014	930	NR	Silt sandy loam / gravel, brown
DU-6B-8	12/10/2014	940	NR	Silt sandy loam, brownish light brown
DU-6B-9	12/10/2014	950	NR	Silt / sandy clay, reddish light brown
DU-6B-10	12/10/2014	1100	NR	Silt / sandy loam, reddish light brown
DU-6B-11	12/10/2014	1115	NR	Sandy loam / gravel, reddish / grayish light brown
DU-6B-12	12/10/2014	1125	NR	Sandy loam / gravel, brown
DU-6B-13	12/10/2014	1130	NR	Sandy loam / gravel, grayish light brown
DU-6B-14	12/10/2014	1140	NR	Sandy loam / gravel, grayish brown
DU-6B-15	12/10/2014	1145	NR	Sand / gravel, brown
DU-6B-16	12/10/2014	1150	NR	Sandy loam / gravel, grayish / brownish light brown
DU-6B-17	12/10/2014	1305	NR	Sandy loam / gravel, brown
DU-6B-18	12/10/2014	1315	NR	Sandy loam / gravel, light brown
DU-6B-19	12/10/2014	1320	NR	Sandy loam / gravel, reddish light brown, brick fragments
DU-6B-20	12/10/2014	1330	NR	Sandy loam / gravel, brown
DU-6B-21	12/10/2014	1340	NR	Sandy loam / clay, light brown
DU-6B-22	12/10/2014	1350	NR	Silt / sandy loam, reddish light brown
DU-6B-23	12/10/2014	1400	NR	Sandy loam / gravel, brown
DU-6B-24	12/10/2014	1405	NR	Sandy loam / gravel, grayish brown
DU-6B-25	12/10/2014	1415	NR	Sandy loam / gravel, grayish brown
DU-6B-26	12/10/2014	1420	NR	Sandy loam / gravel, grayish brown
DU-6B-27	12/10/2014	1510	NR	Sandy clay, reddish light brown
DU-6B-28	12/10/2014	1525	NR	Sandy loam, reddish light brown
DU-6B-29	12/10/2014	1530	NR	Sandy loam, light brown
DU-6B-30	12/10/2014	1540	NR	Sand / sandy loam, light brown
DU-6B-31	12/10/2014	1550	NR	Sandy loam / gravel, grayish brown, foam like debris
DU-6B-32	12/10/2014	1600	NR	Sandy loam / gravel, grayish brown, plastic and foam like debris
DU-6B-33	12/11/2014	840	NR	Sandy loam / gravel, grayish brown
DU-6B-34	12/11/2014	850	NR	Sandy loam / gravel, grayish brown
DU-6B-35	12/11/2014	855	NR	Sandy loam, reddish brown
DU-6B-36	12/11/2014	905	NR	Sandy loam, light brown
DU-6B-37	12/11/2014	910	NR	Sandy / sandy loam, light brown / tan

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION
DU-6B-38	12/11/2014	920	NR	Sandy loam / gravel, grayish brown
DU-6B-39	12/11/2014	935	NR	Sandy loam / gravel, grayish brown
DU-6B-40	12/11/2014	945	NR	Sandy loam / gravel, brown
DU-6B-41	12/11/2014	955	NR	Sandy loam, reddish light brown
DU-6B-42	12/11/2014	1100	NR	Sandy loam, reddish light brown
DU-6B-43	12/11/2014	1110	NR	Sandy loam / gravel, reddish brown
DU-6B-44	12/11/2014	1120	NR	Sandy loam / gravel, brown
DU-6B-45	12/11/2014	1125	NR	Sandy loam / gravel, grayish light brown
DU-6B-46	12/11/2014	1140	NR	Sand / gravel, gray
DU-6B-47	12/11/2014	1145	NR	Sandy loam / gravel, grayish brown, concrete and metal fragments
DU-6B-48	NR	NR	NR	NR
DU-6C-1	12/10/2014	835	0.0	Orange to tan silty sand with rocks and clay finds
DU-6C-2	12/10/2014	840	0.0	Orange to tan sandy silt to silty sand
DU-6C-3	12/10/2014	850	0.0	Brown to gray sandy silt with gravel
DU-6C-4	12/10/2014	900	0.0	Light brown to tan sandy silt with rocks
DU-6C-5	12/10/2014	910	0.0	Light brown sandy silt with rocks and some organics
DU-6C-6	12/10/2014	920	0.0	Brown to light brown sandy silt with rocks
DU-6C-7	12/10/2014	930	NR	Brown sandy silt with rocks
DU-6C-8	12/10/2014	940	0.0	Brown sandy silt with rocks
DU-6C-9	12/10/2014	950	0.0	Brown to light brown sandy silt with rocks
DU-6C-10	12/10/2014	1055	0.0	Brown sandy silt with rocks and some organics
DU-6C-11	12/10/2014	1105	0.0	Brown to light brown sandy silt with rock / brick debris
DU-6C-12	12/10/2014	1115	0.0	Brown sandy silt with rocks
DU-6C-13	12/10/2014	1125	0.0	Brown to light brown sandy silt with rocks and some organics
DU-6C-14	12/10/2014	1135	0.0	Brown sandy silt with rocks and organics
DU-6C-15	12/10/2014	1145	NR	Light brown sandy silt
DU-6C-16	12/10/2014	1200	0.0	Tan to light brown sandy silt
DU-6C-17	12/10/2014	1300	0.0	Brown to light brown sandy silt with rocks
DU-6C-18	12/10/2014	1310	0.0	Light brow sandy silt
DU-6C-19	12/10/2014	1320	0.0	Brown sandy silt with rocks and organics
DU-6C-20	12/10/2014	1325	0.0	Brown to light tan sandy silt
DU-6C-21	12/10/2014	1340	0.0	Light tan sandy silt to silty sand
DU-6C-22	12/10/2014	1350	0.0	Tan to orange sandy silt
DU-6C-23	12/10/2014	1400	0.0	Brown sandy silt with rocks
DU-6C-24	12/10/2014	1410	0.0	Brown sandy silt with rocks
DU-6C-25	12/10/2014	1415	0.0	Light brown to tan sandy silt to silty sand
DU-6C-26	12/10/2014	1425	0.0	Brown sandy silt with rocks
DU-6C-27	12/10/2014	1505	0.0	Light brown sandy silt with some orange
DU-6C-28	12/10/2014	1515	0.0	Light tan sand with some silt
DU-6C-29	12/10/2014	1525	0.0	Brown sandy silt with rocks and organics
DU-6C-30	12/10/2014	1535	0.0	Light tan / tan silty sand
DU-6C-31	12/10/2014	1550	0.0	Light brown / brown sandy silt
DU-6C-32	12/10/2014	1605	0.0	Brown sandy silt with rocks
DU-6C-33	12/11/2014	840	0.0	Brown sandy silt with gravel
DU-6C-34	12/11/2014	850	0.0	Brown sandy silt with rocks and gravel
DU-6C-35	12/11/2014	900	0.0	Brown sandy silt with rocks
DU-6C-36	12/11/2014	910	0.0	Brown sandy silt with rocks and organics
DU-6C-37	12/11/2014	915	0.0	Brown to tan sandy silt with some rocks
DU-6C-38	12/11/2014	920	0.0	Brown sandy silt with rocks and a piece of plastic debris
DU-6C-39	12/11/2014	935	0.0	Brown sandy silt with rocks and organics
DU-6C-40	12/11/2014	945	0.0	Light brown sandy silt with rock and organics
DU-6C-41	12/11/2014	955	0.0	Light brown to brown sandy silt with rocks
DU-6C-42	12/11/2014	1100	0.0	Brown to dark brown sandy silt with rocks
DU-6C-43	12/11/2014	1115	0.0	Light brown sandy silt with rocks
DU-6C-44	12/11/2014	1125	0.0	Brown sandy silt with rocks
DU-6C-45	12/11/2014	1135	0.0	Light brown / brown sandy silt with rocks
DU-6C-46	12/11/2014	1140	0.0	Brown sandy silt with rocks and organics
DU-6C-47	12/11/2014	1150	0.0	Brown sandy silt with rocks
DU-6C-48	12/11/2014	1200	NR	Brown / light brown sandy silt with rocks
DU-7A-1	12/11/2014	1355	0.0	Dark brown sandy silt with trace gravel
DU-7A-2	12/11/2014	1405	0.0	Brown silty sand with trace gravel
DU-7A-3	12/11/2014	1415	0.0	Brown sandy silt with trace gravel
DU-7A-4	12/11/2014	1425	0.0	Dark brown sandy silt with gravel
DU-7A-5	12/11/2014	1435	0.0	Brown sandy silt with gravel
DU-7A-6	12/11/2014	1445	0.0	Orangeish brown silty sand with trace clay
DU-7A-7	12/11/2014	1555	0.0	Brown sandy silt with patches of gravel
DU-7A-8	12/11/2014	1305	0.0	Brown sandy silt with gravel
DU-7A-9	12/11/2014	1535	0.0	Dark brown sandy silt with large rock fragments and gravel
DU-7A-10	12/11/2014	1545	0.0	Brown sandy silt with gravel and rock fragments
DU-7A-11	12/11/2014	1550	0.0	Brown sandy silt with trace gravel
DU-7A-12	12/11/2014	1600	0.0	Brown sandy silt with gravel and rock fragments
DU-7A-13	12/11/2014	1610	0.0	Brown sandy silt with gravel and trace clay
DU-7A-14	12/11/2014	1620	0.0	Dark brown sandy silt with gravel and rock fragments
DU-7A-15	12/12/2014	815	0.0	Dark brown sandy silt with trace rock fragments
DU-7A-16	12/12/2014	820	0.0	Light brown with orange tint sandy silt with trace clay and rock fragments
DU-7A-17	12/12/2014	825	0.0	Dark brown silty sand with gravel
DU-7A-18	12/12/2014	830	0.0	Brown sandy silt
DU-7A-19	12/12/2014	835	0.0	Dark brown sandy silt with gravel
DU-7A-20	12/12/2014	855	0.0	Brown sandy silt with trace clay
DU-7A-21	12/12/2014	905	0.0	Dark brown sandy silt with gravel
DU-7A-22	12/12/2014	910	0.0	Light brown silty sand with trace clay
DU-7A-23	12/12/2014	920	0.0	Dark brown silt with gravel
DU-7A-24	12/12/2014	930	0.0	Light brown sandy silt with trace clay

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DU-7A-25	12/12/2014	935	0.0	Dark brown sandy silt with trace clay and gravel
DU-7A-26	12/12/2014	945	0.0	Dark brown silt with trace gravel and sand
DU-7A-27	12/12/2014	1000	0.0	Brown sandy silt with trace gravel
DU-7A-28	12/12/2014	1010	0.0	Dark brown silt with trace clay and gravel
DU-7A-29	12/12/2014	1015	0.0	Brown sandy silt with trace gravel
DU-7A-30	12/12/2014	1020	0.0	Brown sandy silt with gravel
DU-7A-31	12/15/2014	1340	0.0	Light brown / gray sandy silt with gravel
DU-7A-32	12/15/2014	1350	0.0	Dark brown sandy silt and gravel
DU-7A-33	12/15/2014	1400	0.0	Brown sandy silt with trace gravel
DU-7A-34	12/15/2014	1410	0.0	Brown sandy silt with rock fragments
DU-7A-35	12/15/2014	1420	0.0	Brown sandy silt with rock fragments
DU-7B-1	12/11/2014	1350	NR	Sandy loam / gravel, grayish brown
DU-7B-2	12/11/2014	1400	NR	Sandy loam / gravel, brown
DU-7B-3	12/11/2014	1410	NR	Sandy loam, reddish light brown
DU-7B-4	12/11/2014	1415	NR	Sandy loam / gravel, brown, asphalt debris
DU-7B-5	12/11/2014	1425	NR	Sandy loam / gravel, reddish brown, light brown
DU-7B-6	12/11/2014	1435	NR	Sandy loam, reddish light brown
DU-7B-7	12/11/2014	NR	NR	NR
DU-7B-8	12/11/2014	1445	NR	Sandy loam, reddish light brown
DU-7B-9	12/11/2014	1455	NR	Sandy loam / gravel, grayish brownish light brown
DU-7B-10	12/11/2014	1540	NR	Sandy loam / gravel, brownish light brown
DU-7B-11	12/11/2014	1550	NR	Sandy loam, reddish light brown
DU-7B-12	12/11/2014	1600	NR	Sandy loam, light brown
DU-7B-13	12/11/2014	1610	NR	Sandy loam / gravel, grayish brown
DU-7B-14	12/11/2014	1620	NR	Sandy loam / gravel, brown
DU-7B-15	12/12/2014	800	NR	Sandy loam, light brown
DU-7B-16	12/12/2014	810	NR	Sand / gravel, brownish gray
DU-7B-17	12/12/2014	820	NR	Sandy gravel, grayish brown
DU-7B-18	12/12/2014	830	NR	Sandy gravel, light brownish brown
DU-7B-19	12/12/2014	845	NR	Sandy loam, brown
DU-7B-20	12/12/2014	900	NR	Sandy loam / gravel, light brown
DU-7B-21	12/12/2014	905	NR	Sandy loam, light brown
DU-7B-22	12/12/2014	915	NR	Sandy loam, light brown
DU-7B-23	12/12/2014	920	NR	Sandy loam / gravel, brownish dark brown
DU-7B-24	12/12/2014	925	NR	Sandy loam / gravel, brownish light brown
DU-7B-25	12/12/2014	940	NR	Sand / sandy loam, light brown
DU-7B-26	12/12/2014	955	NR	Silt, blackish dark brown
DU-7B-27	12/12/2014	1005	NR	Silt / sandy loam, light brown
DU-7B-28	12/12/2014	1010	NR	Silt / sand / gravel, brown
DU-7B-29	12/12/2014	1020	NR	Sandy loam / gravel, grayish brown, light brown
DU-7B-30	12/12/2014	1030	NR	Sandy loam / gravel, brownish light brown
DU-7B-31	12/15/2014	1340	NR	Moist, light brown, sandy, little silt, some gravel
DU-7B-32	12/15/2014	1350	NR	Moist brown sand, some gravel
DU-7B-33	12/15/2014	1400	NR	Very moist light brown sand, little gravel
DU-7B-34	12/15/2014	1410	NR	Moist light brown sand, little silt, little gravel
DU-7B-35	12/15/2014	1410	NR	Moist light brown sand, little silt, little gravel
DU-7C-1	12/11/2014	1350	0.0	Brown sandy silt with rocks and organics
DU-7C-2	12/11/2014	1400	0.0	Light brown sandy silt with rocks
DU-7C-3	12/11/2014	1410	0.0	Brown / light brown sandy silt with rocks
DU-7C-4	12/11/2014	1420	0.0	Light brown sandy silt with some clay finds
DU-7C-5	12/11/2014	1430	0.0	Brown to gray to tan sandy silt with clay finds
DU-7C-6	12/11/2014	1445	0.0	Light tan silty sand
DU-7C-7	12/11/2014	1455	0.0	Brown sandy silt with rocks
DU-7C-8	12/11/2014	1535	0.0	Brown sandy silt with rocks
DU-7C-9	12/11/2014	1545	0.0	Light brown sandy silt with rocks and some organics
DU-7C-10	12/11/2014	1550	0.0	Light tan silty sand
DU-7C-11	12/11/2014	1555	NR	Light tan silty sand
DU-7C-12	12/11/2014	1600	NR	Light tan silty sand
DU-7C-13	12/11/2014	1610	NR	Brown sandy silt
DU-7C-14	12/11/2014	1620	0.0	Brown sandy silt with rocks
DU-7C-15	12/12/2014	805	NR	Sandy loam / gravel, reddish light brown
DU-7C-16	12/12/2014	815	NR	Sandy loam / gravel, red / grayish light brown
DU-7C-17	12/12/2014	820	NR	Sandy gravel, brownish gray
DU-7C-18	12/12/2014	835	NR	Sandy loam / gravel, grayish brown
DU-7C-19	12/12/2014	850	NR	Sand / gravel, gray / brown, wet
DU-7C-20	12/12/2014	905	NR	Sandy loam / gravel, light brown
DU-7C-21	12/12/2014	910	NR	Sandy loam / gravel, light brown
DU-7C-22	12/12/2014	915	NR	Sandy silt, light brown, trace clay
DU-7C-23	12/12/2014	925	NR	Silt, black to brown
DU-7C-24	12/12/2014	930	NR	Silt, brown
DU-7C-25	12/12/2014	935	NR	Dark brown silt with gravel
DU-7C-26	12/12/2014	945	NR	Dark brown silt with gravel
DU-7C-27	12/12/2014	1005	NR	Brown sandy silt with trace gravel
DU-7C-28	12/12/2014	1015	NR	Dark brown silt with trace clay and gravel
DU-7C-29	12/12/2014	1025	NR	Brown sandy silt with trace gravel
DU-7C-30	12/12/2014	1035	NR	Brown sandy silt with gravel
DU-7C-31	12/15/2014	1340	0.0	Brown sandy silt with rocks
DU-7C-32	12/15/2014	1350	0.0	Light brown silt with some sand and rock and two pieces of foam debris
DU-7C-33	12/15/2014	1400	0.0	Light brown sandy silt with some rocks
DU-7C-34	12/15/2014	1410	0.0	Brown sandy silt with rocks
DU-7C-35	12/15/2014	1420	0.0	Brown to light brown sandy silt with some rocks
DU-8A-1	12/15/2014	1500	0.0	Light brown sandy silt with gravel and rock fragments
DU-8A-2	12/15/2014	1510	0.0	Brown sandy silt with rock fragments

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DU-8A-3	12/15/2014	1525	0.0	Light brown silty sand with trace gravel
DU-8A-4	12/15/2014	1540	0.0	Light brown silty sand
DU-8A-5	12/15/2014	1555	0.0	Light brown silty sand with trace gravel
DU-8A-6	12/15/2014	1605	0.0	Brown sandy silt with trace clay
DU-8A-7	12/15/2014	1615	0.0	Light brown sandy silt with patches of very dark brown
DU-8A-8	12/15/2014	1625	0.0	Dark brown sandy silt with trace gravel
DU-8A-9	12/16/2014	840	0.0	Dark brown silty clay
DU-8A-10	12/16/2014	850	0.0	Dark brown sandy silt with trace clay
DU-8A-11	12/16/2014	905	0.0	Light brown sandy silt with trace gravel and rock fragments
DU-8A-12	12/16/2014	915	0.0	Dark brown sandy silt with gravel and rock fragments
DU-8A-13	12/16/2014	925	0.0	Light brown sandy silt with gravel
DU-8A-14	12/16/2014	930	0.0	Light brown silty sand with trace rock fragments
DU-8A-15	12/16/2014	940	0.0	Light brown silty sand with trace gravel
DU-8A-16	12/16/2014	950	0.0	Light brown silty sand with rock fragments
DU-8A-17	12/16/2014	1000	0.0	Light brown sandy silt with trace gravel
DU-8A-18	12/16/2014	1010	0.0	Dark brown sandy silt with clay and trace gravel
DU-8A-19	12/16/2014	1015	0.0	Wet, dark brown silt with organics
DU-8A-20	12/16/2014	1025	0.0	Brown sandy silt with orange tint and gravel
DU-8A-21	12/16/2014	1035	0.0	Brown sandy silt with gravel and gray mottling
DU-8A-22	12/16/2014	1045	0.0	Brown sandy silt
DU-8A-23	12/16/2014	1100	0.0	Brown with orange tint sandy silt
DU-8A-24	12/16/2014	1110	0.0	Brown silty sand with clay and trace gravel
DU-8A-25	12/16/2014	1120	0.0	Brownish orange sandy silt
DU-8A-26	12/16/2014	1130	0.0	Dark brown sandy silt with trace clay
DU-8A-27	12/16/2014	1140	0.0	Dark brown sandy silt with trace clay
DU-8A-28	12/16/2014	1330	0.0	Light brown sandy silt with rock fragments
DU-8A-29	12/16/2014	1340	0.0	Light brown sandy silt with rock fragments
DU-8A-30	12/16/2014	1350	0.0	Light brown sandy silt
DU-8A-31	12/16/2014	1400	0.0	Brown sandy silt with rock fragments
DU-8A-32	12/16/2014	1410	0.0	Dark brown sandy silt with trace clay and gravel
DU-8A-33	12/16/2014	1420	0.0	Dark brown sandy silt with trace clay
DU-8A-34	12/16/2014	1430	0.0	Dark brown sandy silt with rock fragments
DU-8A-35	12/16/2014	1440	0.0	Brown sandy silt
DU-8A-36	12/16/2014	1450	0.0	Light brown sandy silt with rock fragments and patches of gray sandy silt
DU-8A-37	12/16/2014	1500	0.0	Brown sandy silt with rock fragments
DU-8A-38	12/16/2014	1540	0.0	Light brown sandy silt with rock fragments
DU-8A-39	12/16/2014	1550	0.0	Light brown sandy silt with rock fragments
DU-8A-40	12/16/2014	1600	0.0	Light brown sandy silt with rock fragments
DU-8A-41	12/16/2014	1610	0.0	Light brown sandy silt
DU-8A-42	12/16/2014	1620	0.0	Light brown sandy silt
DU-8A-43	12/16/2014	1630	0.0	Dark brown silt and gravel
DU-8A-44	12/16/2014	1640	0.0	Light brown sandy silt
DU-8A-45	12/17/2014	835	0.0	Light brown sandy silt with rock fragments and gravel
DU-8A-46	12/17/2014	850	0.0	Light brown sandy silt
DU-8A-47	12/17/2014	900	0.0	Light brown sandy silt with gravel
DU-8A-48	12/17/2014	910	0.0	Light brown sandy silt with trace gravel
DU-8A-49	12/17/2014	1000	0.0	Light brown sandy silt with rock fragments and gravel
DU-8A-50	12/17/2014	1010	0.0	Brown orange sandy silt with gravel
DU-8A-51	12/17/2014	1015	0.0	Light brown sandy silt
DU-8A-52	NR	NR	NR	NR
DU-8B-1	12/15/2014	1500	NR	Moist, light brown sand, little silt, little gravel
DU-8B-2	12/15/2014	1530	NR	Moist, light brown sand, some gravel, trace silt
DU-8B-3	12/15/2014	1540	NR	Moist brown sand, some silt, little gravel
DU-8B-4	12/15/2014	1545	NR	Moist, light brown sand, little gravel, trace silt
DU-8B-5	12/15/2014	1555	NR	Moist brown sand, little gravel, trace silt
DU-8B-6	12/15/2014	1605	NR	Moist brown sand, trace silt, little gravel
DU-8B-7	12/15/2014	1610	NR	Moist dark brown sandy peat
DU-8B-8	12/15/2014	1620	NR	Moist dark brown sandy peat grading to silty sand last
DU-8B-9	12/16/2014	840	NR	Moist dark brown silt, some sand
DU-8B-10	12/16/2014	850	NR	Very moist brown sand, some silt
DU-8B-11	12/16/2014	905	NR	Moist, light brown sand, some gravel, trace silt
DU-8B-12	12/16/2014	915	NR	Moist light brown sand, trace gravel, trace silt
DU-8B-13	12/16/2014	920	NR	Moist light brown sand, little gravel, trace silt
DU-8B-14	12/16/2014	930	NR	Moist light brown sand, trace gravel
DU-8B-15	12/16/2014	940	NR	Moist light brown sand, little gravel, trace silt
DU-8B-16	12/16/2014	950	NR	Moist brown sand, little gravel, trace silt
DU-8B-17	12/16/2014	1000	NR	Moist light brown sand, some silt, trace gravel
DU-8B-18	12/16/2014	1005	NR	Very moist brown-gray sand interbeded with silt, trace gravel
DU-8B-19	12/16/2014	1015	NR	Wet dark gray sand, some silt
DU-8B-20	12/16/2014	1035	NR	Moist light brown sand, little gravel, trace silt
DU-8B-21	12/16/2014	1045	NR	Slightly moist light brown sand, little silt, some gravel, trace fiberglass, aluminum and tile
DU-8B-22	12/16/2014	1055	NR	Moist light brown sand, some gravel, trace silt
DU-8B-23	12/16/2014	1105	NR	Moist light brown sand, some gravel, trace silt
DU-8B-24	12/16/2014	1110	NR	Moist light brown sand, trace silt, trace gravel
DU-8B-25	12/16/2014	1120	NR	Moist brown-orange silt, some sand, trace gravel
DU-8B-26	12/16/2014	1130	NR	Very moist tan-gray sand, some silt, trace gravel
DU-8B-27	12/16/2014	1140	NR	Very moist to wet light brown sand, some silt, little gravel
DU-8B-28	12/16/2014	1335	NR	Moist, light brown sand, little gravel, trace silt
DU-8B-29	12/16/2014	1345	NR	Moist light brown sand, little gravel, trace silt
DU-8B-30	12/16/2014	1355	NR	Moist light brown sand, trace gravel, trace silt
DU-8B-31	12/16/2014	1405	NR	Moist light brown sand, trace gravel
DU-8B-32	12/16/2014	1410	NR	Moist brown sand, some silt, trace gravel
DU-8B-33	12/16/2014	1420	NR	Very moist dark brown sand, some silt

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DU-8B-34	12/16/2014	1435	NR	Moist light brown sand, some gravel
DU-8B-35	12/16/2014	1445	NR	Moist brown sand, little gravel, trace silt
DU-8B-36	12/16/2014	1450	NR	Moist light brown sand, little gravel
DU-8B-37	12/16/2014	1500	NR	Moist light brown sand, some gravel, trace silt
DU-8B-38	12/16/2014	1540	NR	Moist light brown sand, some gravel, trace silt
DU-8B-39	12/16/2014	1550	NR	Moist light brown sand, some gravel, trace silt
DU-8B-40	12/16/2014	1600	NR	Moist light brown sand, trace gravel, trace silt
DU-8B-41	12/16/2014	1610	NR	Moist light brown sand, some gravel, trace silt
DU-8B-42	12/16/2014	1620	NR	Slightly moist light brown sand, little gravel
DU-8B-43	12/16/2014	1625	NR	Slightly moist light brown sand, little gravel, trace silt
DU-8B-44	12/16/2014	1635	NR	Moist light brown sand, little gravel, trace silt
DU-8B-45	12/17/2014	840	NR	Moist brown sand, trace gravel
DU-8B-46	12/17/2014	850	NR	Slightly moist pink sand (crushed brick), trace gravel
DU-8B-47	12/17/2014	900	NR	Slightly moist brown sand, little silt
DU-8B-48	12/17/2014	910	NR	Moist light brown sand, some gravel, trace silt
DU-8B-49	12/17/2014	1000	NR	Slightly moist light brown sand, little gravel, trace silt
DU-8B-50	12/17/2014	1010	NR	Moist brown sand, some gravel
DU-8B-51	12/17/2014	1015	NR	Moist brown sand, some silt, trace gravel
DU-8B-52	12/17/2014	1020	NR	Moist brown sand, some silt, little gravel
DU-8C-1	12/15/2014	1500	0.0	Brown to light brown sandy silt with rocks
DU-8C-2	12/15/2014	1530	0.0	Light brown sandy silt with rocks and organics
DU-8C-3	12/15/2014	1540	0.0	Light brown sandy silt with some gravel
DU-8C-4	12/15/2014	1550	0.0	Brown to light brown sandy silt
DU-8C-5	12/15/2014	1600	0.0	Brown sandy silt with rocks and organics
DU-8C-6	12/15/2014	1605	0.0	Brown to light brown sandy silt with rocks
DU-8C-7	12/15/2014	1615	0.0	Brown sandy silt with some orange clay and gravel
DU-8C-8	12/15/2014	1625	0.0	Brown to black sandy silt with rocks
DU-8C-9	12/16/2014	835	0.0	Dark brown sandy silt with some rocks
DU-8C-10	12/16/2014	850	0.0	Dark brown to gray sandy silt with organics
DU-8C-11	12/16/2014	900	0.0	Light brown sandy silt with rocks and some organics
DU-8C-12	12/16/2014	910	0.0	Light brown sandy silt with rocks
DU-8C-13	12/16/2014	920	0.0	Tan silty sand to sandy silt
DU-8C-14	12/16/2014	925	0.0	Tan sandy silt with some organics
DU-8C-15	12/16/2014	935	0.0	Brown to tan sandy silt with rocks
DU-8C-16	12/16/2014	945	0.0	Light brown to tan sandy silt with rocks
DU-8C-17	12/16/2014	955	0.0	Brown to tan sandy silt with rocks and organics
DU-8C-18	12/16/2014	1000	0.0	Light brown / brown sandy silt
DU-8C-19	12/16/2014	1010	0.0	Brown silt with some clay
DU-8C-20	12/16/2014	1030	0.0	Brown to light brown sandy silt with some rocks
DU-8C-21	12/16/2014	1040	0.0	Light brown sandy silt with rocks
DU-8C-22	12/16/2014	1055	0.0	Tan sandy silt with rocks
DU-8C-23	12/16/2014	1105	0.0	Light brown / tan sandy silt with some rocks
DU-8C-24	12/16/2014	1115	0.0	Light brown silt with clay and some sand
DU-8C-25	12/16/2014	1125	0.0	Light brown / orange silt with clay and sand
DU-8C-26	12/16/2014	1130	0.0	Light brown / tan sandy silt to silty sand
DU-8C-27	12/16/2014	1140	0.0	Brown silt with some sand and rocks / organics
DU-8C-28	12/16/2014	1330	0.0	Brown silt with some clay
DU-8C-29	12/16/2014	1340	0.0	Tan sandy silt with some rocks
DU-8C-30	12/16/2014	1350	0.0	Brown sandy silt with rocks, organics, and some wood debris
DU-8C-31	12/16/2014	1400	0.0	Brown to dark gray sandy silt with rocks
DU-8C-32	12/16/2014	1410	0.0	Brown to tan sandy silt to silty sand
DU-8C-33	12/16/2014	1420	0.0	Brown sandy silt with some rocks
DU-8C-34	12/16/2014	1430	0.0	Brown to gray sandy silt, wet with rocks
DU-8C-35	12/16/2014	1440	0.0	Brown sandy silt with rocks and organics
DU-8C-36	12/16/2014	1450	0.0	Brown sandy silt with some rocks
DU-8C-37	12/16/2014	1500	0.0	Brown sandy silt with rocks
DU-8C-38	12/16/2014	1540	0.0	Light tan to white sandy silt / silty sand
DU-8C-39	12/16/2014	1550	0.0	Light brown / brown sandy silt with rocks
DU-8C-40	12/16/2014	1600	0.0	Light brown / tan / light tan sandy silt with rocks
DU-8C-41	12/16/2014	1610	0.0	Brown to light brown sandy silt
DU-8C-42	12/16/2014	1615	0.0	Light brown sandy silt with trace clay
DU-8C-43	12/16/2014	1625	0.0	Light brown sandy silt with rocks and organics
DU-8C-44	12/16/2014	1630	0.0	Light brown sandy silt with rocks
DU-8C-45	12/17/2014	840	0.0	Brown sandy silt with rocks
DU-8C-46	12/17/2014	850	0.0	Light brown sandy silt with rocks
DU-8C-47	12/17/2014	900	0.0	Light brown sandy silt with rocks
DU-8C-48	12/17/2014	910	0.0	Brown to light brown sandy silt with rocks
DU-8C-49	12/17/2014	1000	0.0	Light brown / brown sandy silt with rocks
DU-8C-50	12/17/2014	1005	0.0	Light brown sandy silt with some rocks
DU-8C-51	12/17/2014	1015	0.0	Light brown sandy silt with few rocks
DU-8C-52	12/17/2014	NR	0.0	Light brown sandy silt with few rocks and clay
DU-9A-1	12/17/2014	1110	0.0	Light brown sandy silt
DU-9A-2	12/17/2014	1120	0.0	Light brown sandy silt
DU-9A-3	12/17/2014	1125	0.0	Light brown sandy silt with some gravel
DU-9A-4	12/17/2014	1130	0.0	Light brown sandy silt with dark brown mottling and some gravel
DU-9A-5	12/17/2014	1135	0.0	Dark brown sandy silt with light brown mottling and gravel
DU-9A-6	12/17/2014	1140	0.0	Brown sandy silt
DU-9A-7	12/17/2014	1150	0.0	Dark brown sandy silt with gravel
DU-9A-8	12/17/2014	1345	0.0	Dark brown silt with trace sand
DU-9A-9	12/17/2014	1355	0.0	Dark brown silt with trace clay
DU-9A-10	12/17/2014	1405	0.0	Dark brown silt with gravel
DU-9A-11	12/17/2014	1415	0.0	Light brown sandy silt
DU-9A-12	12/17/2014	1425	0.0	Brown silt with trace sand

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DU-9A-13	12/17/2014	1435	0.0	Brown sandy silt with trace gravel
DU-9A-14	12/17/2014	1440	0.0	Light brown sandy silt
DU-9A-15	12/17/2014	1450	0.0	Dark brown silt with heavy gravel
DU-9A-16	12/17/2014	1500	0.0	Light brown mixed with some gray sandy silt
DU-9A-17	12/17/2014	1530	0.0	Light brown sandy silt with patches of gray
DU-9A-18	12/17/2014	1545	0.0	Dark brown silt with gray areas and gravel
DU-9A-19	12/17/2014	1555	0.0	Dark brown sandy silt
DU-9A-20	12/17/2014	1605	0.0	Dark brown sandy silt
DU-9A-21	12/17/2014	1615	0.0	Brown orange silty clay with gravel
DU-9A-22	12/17/2014	1625	0.0	Brown / orange silty clay with some rock fragments
DU-9A-23	12/17/2014	1635	0.0	Light brown with gray patches of sandy silt with gravel
DU-9A-24	12/17/2014	1645	0.0	Light brown with gray sandy silt
DU-9A-25	12/18/2014	835	0.0	Light brown sandy silt with gravel
DU-9A-26	12/18/2014	845	0.0	Light brown sandy silt
DU-9A-27	12/18/2014	850	0.0	Light brown sandy silt with trace rock fragments
DU-9A-28	12/18/2014	900	0.0	Light brown sandy silt
DU-9A-29	12/18/2014	945	0.0	Brown silt with trace clay and gravel
DU-9A-30	12/18/2014	955	0.0	Brown sandy silt with trace gravel
DU-9A-31	12/18/2014	1005	0.0	Brown silty clay with trace gravel
DU-9A-32	12/18/2014	1015	0.0	Brown sandy silt with trace gravel and trace clay
DU-9A-33	12/18/2014	1020	0.0	Brown orange silty clay
DU-9A-34	12/18/2014	1030	0.0	Orange brown silty clay with trace gravel
DU-9A-35	12/18/2014	1040	0.0	Light brown / tan sandy silt
DU-9A-36	12/18/2014	1050	0.0	Light brown sandy silt with gravel
DU-9A-37	12/18/2014	1100	0.0	Light brown / tan sandy silt
DU-9A-38	12/18/2014	1110	0.0	Gray sandy silt transitioning to dark brown silty clay with gravel
DU-9A-39	12/18/2014	1120	0.0	Brown orange silty clay
DU-9A-40	12/18/2014	1130	0.0	Orange brown silty clay with gravel
DU-9A-41	12/18/2014	1400	0.0	Orange brown sandy silt with trace clay
DU-9A-42	12/18/2014	1415	0.0	Orange brown silty clay with trace gravel
DU-9A-43	12/18/2014	1430	0.0	Light brown with gray patches, sandy silt
DU-9A-44	12/18/2014	1445	0.0	Orange brown silty clay with trace gravel
DU-9A-45	12/18/2014	1510	0.0	Orange brown silty clay
DU-9A-46	12/18/2014	1535	0.0	Light brown sandy silt
DU-9A-47	12/18/2014	1545	0.0	Brown silty clay
DU-9A-48	12/18/2014	1600	0.0	Brown sandy silt with trace clay
DU-9A-49	12/18/2014	1615	0.0	Brown sandy silt with gravel
DU-9B-1	12/17/2014	1100	NR	Moist brown sand, trace gravel
DU-9B-2	12/17/2014	1110	NR	Moist brown sand, trace gravel
DU-9B-3	12/17/2014	1115	NR	Moist brown sand, little silt
DU-9B-4	12/17/2014	1120	NR	Moist brown sand, little silt, trace gravel
DU-9B-5	12/17/2014	1135	NR	Moist brown sand, little silt, trace gravel
DU-9B-6	12/17/2014	1140	NR	Moist brown sand, some silt, trace gravel
DU-9B-7	12/17/2014	1150	NR	Moist brown sand, trace gravel, trace silt
DU-9B-8	12/17/2014	1350	NR	Slightly moist brown sand, trace gravel
DU-9B-9	12/17/2014	1355	NR	Moist brown sand, some silt
DU-9B-10	12/17/2014	1405	NR	Moist brown sand, some gravel, trace silt
DU-9B-11	12/17/2014	1415	NR	Moist brown, tan sand, little silt, trace gravel
DU-9B-12	12/17/2014	1425	NR	Moist brown sand, little silt, trace gravel
DU-9B-13	12/17/2014	1430	NR	Very moist brown sand, trace silt, trace gravel
DU-9B-14	12/17/2014	1440	NR	Moist brown sand, little gravel, trace silt
DU-9B-15	12/17/2014	1445	NR	Moist light brown sand, trace gravel
DU-9B-16	12/17/2014	1455	NR	Moist light brown sand, trace gravel, trace silt
DU-9B-17	12/17/2014	1530	NR	Moist brown sand, little gravel, trace silt
DU-9B-18	12/17/2014	1545	NR	Moist brown sand, trace silt, trace gravel
DU-9B-19	12/17/2014	1555	NR	Moist brown sand, some gravel, trace silt
DU-9B-20	12/17/2014	1605	NR	Moist brown sand, trace gravel
DU-9B-21	12/17/2014	1620	NR	Moist brown sand, some gravel, trace silt
DU-9B-22	12/17/2014	1630	NR	Moist brown sand, little silt, little gravel
DU-9B-23	12/17/2014	1640	NR	Moist brown sand, some gravel
DU-9B-24	12/17/2014	1650	NR	Moist brown sand, little gravel, trace silt
DU-9B-25	12/18/2014	830	NR	Moist brown sand, trace gravel, trace silt
DU-9B-26	12/18/2014	840	NR	Moist brown sand, trace gravel, trace silt
DU-9B-27	12/18/2014	850	NR	Moist brown sand, trace gravel, trace silt
DU-9B-28	12/18/2014	900	NR	Moist brown sand, trace gravel, trace silt
DU-9B-29	12/18/2014	940	NR	Moist brown sand, some gravel, trace silt
DU-9B-30	12/18/2014	950	NR	Moist light brown sand, trace gravel
DU-9B-31	12/18/2014	1000	NR	Moist light brown sand, little gravel, trace silt
DU-9B-32	12/18/2014	1010	NR	Moist light brown mottled gray sand, trace gravel
DU-9B-33	12/18/2014	1020	NR	Moist red-brown silt, some sand, trace gravel
DU-9B-34	12/18/2014	1025	NR	Moist red-brown silt, some sand, trace gravel
DU-9B-35	12/18/2014	1040	NR	Moist brown sand, trace silt
DU-9B-36	12/18/2014	1050	NR	Moist light brown sand, little gravel, trace silt
DU-9B-37	12/18/2014	1100	NR	Moist light brown sand, trace silt, trace gravel
DU-9B-38	12/18/2014	1110	NR	Moist dark brown sand, little gravel, trace silt
DU-9B-39	12/18/2014	1118	NR	Slightly moist red-brown sand, some silt, trace gravel
DU-9B-40	12/18/2014	1125	NR	Slightly moist red-brown silt and sand, trace gravel
DU-9B-41	12/18/2014	1400	0.0	Brown sandy silt with trace clay and gravel
DU-9B-42	12/18/2014	1415	0.0	Orange brown silty clay
DU-9B-43	12/18/2014	1430	0.0	Light brown sandy silt
DU-9B-44	12/18/2014	1445	0.0	Orange brown silty clay
DU-9B-45	12/18/2014	1510	0.0	Orange brown clay
DU-9B-46	12/18/2014	1535	0.0	Light brown sandy silt with gravel

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION
DU-9B-47	12/18/2014	1545	0.0	Orange brown silty clay
DU-9B-48	12/18/2014	1600	0.0	Brown sandy silt with clay
DU-9B-49	12/18/2014	1615	0.0	Light brown sandy silt with gravel
DU-9C-1	12/17/2014	1100	0.0	Light brown sandy silt with rocks and some white mottling
DU-9C-2	12/17/2014	1110	0.0	Brown / light brown sandy silt with some rocks
DU-9C-3	12/17/2014	1115	0.0	Brown sandy silt with some rocks and trace clay
DU-9C-4	12/17/2014	1120	0.0	Brown silty sand with some rocks and some clay and some organics
DU-9C-5	12/17/2014	1130	0.0	Brown sandy silt with some rocks
DU-9C-6	12/17/2014	1140	0.0	Brown sandy silt with rocks and organics
DU-9C-7	12/17/2014	1150	0.0	Brown sandy silt
DU-9C-8	12/17/2014	1345	0.0	Brown to tan sandy silt with some clay
DU-9C-9	12/17/2014	1355	0.0	Brown to tan sandy silt with some clay
DU-9C-10	12/17/2014	1405	0.0	Brown sandy silt with rocks and organics
DU-9C-11	12/17/2014	1415	0.0	Brown to tan sandy silt with rocks
DU-9C-12	12/17/2014	1425	0.0	Tan to light tan sandy silt with some rocks
DU-9C-13	12/17/2014	1435	0.0	Tan sandy silt with some rocks
DU-9C-14	12/17/2014	1445	0.0	Brown sandy silt with rocks and organics
DU-9C-15	12/17/2014	1450	0.0	Light tan to light gray sandy silt to silty sand
DU-9C-16	12/17/2014	1455	0.0	Tan to light tan sandy silt
DU-9C-17	12/17/2014	1535	0.0	Brown to light brown sandy silt
DU-9C-18	12/17/2014	1545	0.0	Brown sandy silt with some rocks
DU-9C-19	12/17/2014	1555	0.0	Light brown to tan to white sandy silt with rocks
DU-9C-20	12/17/2014	1600	0.0	Light brown sandy silt with some organics
DU-9C-21	12/17/2014	1610	0.0	Brown / light sandy silt with some rocks
DU-9C-22	12/17/2014	1625	0.0	Light brown sandy silt with rocks
DU-9C-23	12/17/2014	1635	0.0	Light brown sandy silt with some rocks and organics
DU-9C-24	12/17/2014	1645	0.0	Light brown / brown sandy silt
DU-9C-25	12/18/2014	835	0.0	Brown / light brown sandy silt
DU-9C-26	12/18/2014	845	0.0	Light brown sandy silt with some rocks and organics
DU-9C-27	12/18/2014	850	0.0	Brown sandy silt with lots of organics and a root
DU-9C-28	12/18/2014	900	0.0	Brown / light brown sandy silt
DU-9C-29	12/18/2014	945	0.0	Black rocks to brown sandy silt
DU-9C-30	12/18/2014	955	0.0	Brown sandy silt with rocks and organics to black rocks and sandy silt
DU-9C-31	12/18/2014	1005	0.0	Light tan sandy silt with some organics
DU-9C-32	12/18/2014	1015	0.0	Tan / light brown sandy silt
DU-9C-33	12/18/2014	1020	0.0	Red silty clay with some organics
DU-9C-34	12/18/2014	1030	0.0	Light brown sandy silt with rocks and organics
DU-9C-35	12/18/2014	1040	0.0	Light tan to white sandy silt / silty sand with some rocks
DU-9C-36	12/18/2014	1050	0.0	Brown / light brown sandy silt
DU-9C-37	12/18/2014	1100	0.0	Brown sandy silt with rocks and some foam debris
DU-9C-38	12/18/2014	1110	0.0	Brown sandy silt with rocks and organics
DU-9C-39	12/18/2014	1120	0.0	Orange to light tan sandy silt with rocks
DU-9C-40	12/18/2014	1130	0.0	Red silty clay to tan sandy silt with rocks and some organics
DU-9C-41	12/18/2014	1355	0.0	Light brown sandy silt with rocks
DU-9C-42	12/18/2014	1415	0.0	Light brown sandy silt with rocks and some organics
DU-9C-43	12/18/2014	1430	0.0	Brown sandy silt with rocks
DU-9C-44	12/18/2014	1445	0.0	Tan sandy silt with rocks
DU-9C-45	12/18/2014	1500	0.0	Tan sandy silt with rocks and some organics
DU-9C-46	12/18/2014	1535	0.0	Brown to gray sandy silt
DU-9C-47	12/18/2014	1550	0.0	Tan sandy silt to orange silty clay
DU-9C-48	12/18/2014	1600	0.0	Brown to tan sandy silt with white sandy mottling
DU-9C-49	12/18/2014	1615	0.0	Light tan / tan silty sand to sandy silt
DU-10A-1	12/1/2014	1520	NR	Sandy loam, light brown / reddish
DU-10A-2	12/1/2014	1525	NR	Loam / sandy loam, dark brown / reddish
DU-10A-3	12/1/2014	1535	NR	Sandy loam, light brown, gray
DU-10A-4	12/1/2014	1540	NR	Sandy loam, reddish brown
DU-10A-5	12/1/2014	1542	NR	Sandy loam, light brownish gray
DU-10A-6	12/1/2014	1545	NR	Sandy loam, light brown
DU-10A-7	12/1/2014	1550	NR	Sandy loam, light brown
DU-10A-8	12/1/2014	1530	NR	Sandy, light brown (tan) / gray
DU-10A-9	12/1/2014	1555	NR	Sandy loam, brown
DU-10A-10	12/1/2014	1610	NR	Sandy loam, light brown / gray
DU-10A-11	12/1/2014	1615	NR	Sandy loam, light brown / gray
DU-10A-12	12/1/2014	1620	NR	Sandy loam / gray light brown
DU-10A-13	12/1/2014	1625	NR	Sandy loam, light brown / pinkish red
DU-10A-14	12/2/2014	820	NR	Sandy loam, reddish brown
DU-10A-15	12/2/2014	835	NR	Sandy loam, reddish gray
DU-10A-16	12/2/2014	840	NR	Sandy loam, light brown gray
DU-10A-17	12/2/2014	845	NR	Sandy loam, light brown
DU-10A-18	12/2/2014	855	NR	Sandy loam ,brownish gray
DU-10A-19	12/2/2014	1000	NR	Sandy loam, reddish light brown
DU-10A-20	12/2/2014	1015	NR	Sandy loam, light brown gray
DU-10A-21	12/2/2014	1025	NR	Sandy loam, light brown
DU-10A-22	12/2/2014	1030	NR	Sandy loam, reddish light brown
DU-10A-23	12/2/2014	1035	NR	Sandy loam, dark brown
DU-10A-24	12/2/2014	1038	NR	Sandy loam, dark brown
DU-10A-25	12/2/2014	1040	NR	Sandy loam, dark brown
DU-10A-26	12/2/2014	1045	NR	Sandy loam, brown
DU-10A-27	12/2/2014	1050	NR	Sandy loam, brown light brown
DU-10A-28	12/2/2014	1053	NR	Sandy loam, whiteish light brown
DU-10A-29	12/2/2014	1055	NR	Sandy loam, light brown to brown
DU-10A-30	12/2/2014	1105	NR	Sandy loam, brown
DU-10A-31	12/2/2014	1110	NR	Sandy loam, brown light brown

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION
DU-10A-32	12/2/2014	1113	NR	Sandy loam, brown
DU-10A-33	12/2/2014	1115	NR	Sandy loam, brown
DU-10A-34	12/2/2014	1120	NR	Sandy loam, reddish brown
DU-10A-35	12/2/2014	1125	NR	Sandy loam, light brown gray
DU-10A-36	12/2/2014	1130	NR	Sandy loam, reddish light brown
DU-10B-1	12/2/2014	1455	NR	Sandy loam, brownish gray
DU-10B-2	12/2/2014	1505	NR	Sandy loam, brown red
DU-10B-3	12/2/2014	1510	NR	Sandy loam, brown light brown
DU-10B-4	12/2/2014	1520	NR	Sandy loam, brownish gray
DU-10B-5	12/2/2014	1530	NR	Sandy loam, light brown
DU-10B-6	12/2/2014	1540	NR	Sandy loam, brown
DU-10B-7	12/2/2014	1545	NR	Sandy loam, reddish brown gray
DU-10B-8	12/2/2014	1600	NR	Sandy loam, reddish light brown
DU-10B-9	12/2/2014	1610	NR	Sandy loam, light brown reddish
DU-10B-10	12/2/2014	1615	NR	Sandy loam, brown light red, plastic material
DU-10B-11	12/2/2014	1625	NR	Sandy loam, light brown grayish, plastic material
DU-10B-12	12/2/2014	1635	NR	Sandy loam, light brown gray
DU-10B-13	12/3/2014	855	NR	Sandy loam, light brown with reddish tint
DU-10B-14	12/3/2014	900	NR	Sandy loam, reddish brown
DU-10B-15	12/3/2014	915	NR	Sandy loam, grayish brown
DU-10B-16	12/3/2014	925	NR	Sandy loam, grayish brown
DU-10B-17	12/3/2014	940	NR	Sandy loam, light brown
DU-10B-18	12/3/2014	950	NR	Sandy loam, reddish light brown
DU-10B-19	12/3/2014	1005	NR	Sandy loam, reddish brown
DU-10B-20	12/3/2014	1015	NR	Sandy loam, light brown
DU-10B-21	12/3/2014	1025	NR	Sandy loam, reddish light brown
DU-10B-22	12/3/2014	1035	NR	Sandy loam, brown
DU-10B-23	12/3/2014	1045	NR	Sandy loam, brown
DU-10B-24	12/3/2014	1055	NR	Sandy loam, dark brown
DU-10B-25	12/3/2014	1105	NR	Sandy loam, dark brown
DU-10B-26	12/3/2014	1330	NR	Sandy loam, brown
DU-10B-27	12/3/2014	1340	NR	Sandy loam, brown
DU-10B-28	12/3/2014	1350	NR	Sandy loam, light brown
DU-10B-29	12/3/2014	1410	NR	Sandy loam, light brown
DU-10B-30	12/3/2014	1420	NR	Sandy loam, dark brown
DU-10B-31	12/3/2014	1435	NR	Sandy loam, brown
DU-10B-32	12/3/2014	1450	NR	Sandy loam, brown
DU-10B-33	12/3/2014	1500	NR	Sandy loam, light brown
DU-10B-34	12/3/2014	1545	NR	Sandy loam, brown
DU-10B-35	12/3/2014	1600	NR	Sandy loam, light brown
DU-10B-36	12/3/2014	1615	NR	Silt / clay, reddish light brown
DU-10C-1	12/2/2014	1450	0.0	Light brown sandy silt
DU-10C-2	12/2/2014	1500	0.0	Light brown to grey sandy silt with some gravel
DU-10C-3	12/2/2014	1515	0.0	Brown silt
DU-10C-4	12/2/2014	1525	0.0	Brown to light brown silt with trace sand and organics
DU-10C-5	12/2/2014	1535	0.0	Brown sandy silt with trace clay and gravel
DU-10C-6	12/2/2014	1545	0.0	Brown sandy silt with trace organics and rocks
DU-10C-7	12/2/2014	1555	0.0	Brown silty sand with rocks and organics
DU-10C-8	12/2/2014	1605	0.0	Brown sandy silt with rocks
DU-10C-9	12/2/2014	1615	0.0	Light brown sandy silt
DU-10C-10	12/2/2014	1620	0.0	Brown sandy silt with trace organics and rocks
DU-10C-11	12/2/2014	1630	0.0	Brown sandy silt with rocks
DU-10C-12	12/2/2014	1640	0.0	Brown sandy silt with gravel and rocks
DU-10C-13	12/3/2014	855	0.0	Light brown sandy silt with trace organics
DU-10C-14	12/3/2014	905	0.0	Brown to light brown sandy silt
DU-10C-15	12/3/2014	915	0.0	Light brown to orange sandy silt with rocks
DU-10C-16	12/3/2014	925	NR	Light brown silt with trace sand and rocks
DU-10C-17	12/3/2014	945	NR	Light brown to gray sandy silt with some organics and rocks and some tan mottling
DU-10C-18	12/3/2014	955	NR	Brown silty sand with rocks
DU-10C-19	12/3/2014	1005	NR	Orange to light brown sandy silt with black mottling
DU-10C-20	12/3/2014	1015	0.0	Orange brown sandy silt with some rocks
DU-10C-21	12/3/2014	1035	0.0	Orange sandy silt
DU-10C-22	12/3/2014	1045	0.0	Brown to light brown sandy silt
DU-10C-23	12/3/2014	1055	0.0	Light brown to brown silt with clay and some sand
DU-10C-24	12/3/2014	1105	0.0	Orange sandy silt with some clay
DU-10C-25	12/3/2014	1110	0.0	Orange sandy silt with some clay
DU-10C-26	12/3/2014	1335	0.0	Brown sandy silt
DU-10C-27	12/3/2014	1345	0.0	Brown sandy silt with some organics and small rocks
DU-10C-28	12/3/2014	1355	0.0	Light tan sand with some silt
DU-10C-29	12/3/2014	1405	0.0	Brown sandy silt
DU-10C-30	12/3/2014	1415	0.0	Brown silt with some sand
DU-10C-31	12/3/2014	1435	NR	Brown to light brown sandy silt
DU-10C-32	12/3/2014	1455	NR	Brown to light brown silt with some sand
DU-10C-33	12/3/2014	1505	NR	Brown to light tan sandy silt
DU-10C-34	12/3/2014	1550	NR	Brown silt with some sand, damp
DU-10C-35	12/3/2014	1600	NR	Light tan silt with sand and some organics
DU-10C-36	12/3/2014	1615	NR	Dark brown silt with sand and clay

Discrete Soil Sample Descriptions
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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION	DEPTH INTERVAL SAMPLED (Inches)
MA-SS-1	12/2/2014	1104	NR	0" - 6" Light tan sandy silt, trace roots, moist, very fine sandy silt	6" - 18"
				6" - 11" Light gray damp, fine grained sand with cemented fragments	
				11" - 24" Very light tan mixed with dark tan fine grain sand, little silt, damp	
MA-SS-2	12/2/2014	1432	0.2	0" - 6" Light tan micaceous silty sand, fine, slightly damp with organic (grass leaves)	6" - 18"
				6" - 24" Light tan silty sand with some rock fragments throughout, brick fragment 16" bls, slightly moist	
MA-SS-3	12/3/2014	1033	0.0	0" - 10" bls tan fine silty sand with roots and grass throughout, small pebble, moist	6" - 18"
				12" - 16" bls light gray fine sandy silt, slightly damp	
				16" - 17" bls tan with orange mottling, fine sandy silt, slightly damp	
				17" bls wood encountered	
				17" - 18.5" bls **asphalt**	
				18.5" - 24" bls tan with orange mottling fine silty sand, slightly damp	
MA-SS-4	12/2/2014	1544	0.7	0" - 6" Brown fine silty sand, with organics (roots and grass), slightly damp 7" - 19" bls encounter **large pieces of cement**	6" - 18"
				6" - 13" Brown fine silty sand with **asphalt, cement**, slightly damp. In In a hand augur boring at about 12" bls a **small blue piece of PET** and a **black plastic conduit fitting** were encountered as well as **large pieces of cement from 7" - 19"**	
				13" to 19" Greyish brown fine silty sand with some gravel, slightly damp	
				7" - 19" bls a large pieces of cement were encountered	
				19" - 24" Tan fine silty sand with few medium grains and with little gravel, slightly damp	
MA-SS-5	12/3/2014	1104	0.0	0" - 3" bls Dark brown sandy silt, fine grain, grass root, slightly damp	6" - 18"
				3" - 14" bls Tan fine gray silty sand with few gravel throughout, slightly damp	
				6" - 8" collected non native items from boring and the onsite resource described them as metallic debris and possible metal strap or old can	
				14" - 23" bls orangish tan fine silty sand with little angular pebbles, slightly damp	
				23" - 24" asphalt	

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SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION	DEPTH INTERVAL SAMPLED (Inches)
MA-SS-6	12/2/2014	1628	0.7	0.0" - 6" bls no recovery 6" - 19" bls- tan fine silty sand with mica, slightly damp and with **asphalt at 19"** 19" - 24" Tan fine silty sand, slightly damp and with small pebbles **at 19" - 24" Red plastic covered aluminum, and a small piece of tan fibrous Styrofoam material**	6" - 18"
MA-SS-7	12/2/2014	1706	1.1	0" - 12" bls, tan fine silty sand with few pebbles 12" - 24" Gray fine sandy silt, brick and cement fragments at 21" bls small angular gravel throughout **16" - 17" bls asphalt waste 17" - 18" bls gravel and wood**	6" - 18"
SWMU-13-SS-1	12/11/2014	1148	0.4	0" - 2" Dark gray fine sandy silt, damp, with roots and leaf litter 2" - 5" Tan fine silty sand, slightly damp with mica 5" - 14" Orangish brown fine silty sand, slightly damp, and 2 medium rounded pebbles 14" - 21" Dark gray fine sandy silt, very slightly damp, with few roots 21" - 24" Tan fine silty sand, slightly damp	6" - 18"
SWMU-13-SS-2	12/11/2014	1202	0.3	0" - 2" Dark gray fine silty sand, slightly damp with small pebbles 2" - 8" Orangish brown fine sandy silt, tight and dry 8" - 14.5" Orangish brown fine sandy silt, dry 14.5" - 24" Lt. tan fine silty sand, slightly damp	6" - 18"
SWMU-13-SS-3	12/11/2014	925	0.3	0" - 4" Dark brown fine sandy silt, slightly damp with pine needles and grass 4" - 24" Tan fine sandy silt, damp, few small round pebbles	6" - 18"
SWMU-13-SS-4	12/11/2014	1029	0.1	0" - 2" Dark brown fine sand silty, slightly damp with pine needles through-out 2" - 24" Light brown fine silty sand, slightly damp	6" - 18"
SWMU-13-SS-5	12/11/2014	955	0.3	0" - 6" Dark brown fine sandy silt, slightly damp with worms, pine needles, and grass 6" - 8" Tan fine sandy silt, slightly damp 8" - 24" Light brown fine silty sand, damp at 18" with crushed rock fragments	6" - 18"
SWMU-13-SS-6	12/11/2014	1039	0.1	0" - 5" Dark gray fine sandy silt, damp with roots through-out, wood chips 5" - 8" Tan fine silty sand, damp, with small pebbles through-out 8" - 15" Gray fine silty sand, damp, small rounded pebbles through-out 15" - 23" Tan fine silty sand, slightly damp with broken white rock through-out 23" - 24" Dark gray fine silty sand, damp with a 0.4 PID reading	6" - 18"

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SWMU-13-SS-7	12/11/2014	1345	0.0	0" - 2" Dark gray fine silty sand, very slightly damp with roots and grass	6" - 18"
				2" - 24" Light tan fine silty sand, slightly damp	
SWMU-13-SS-8	12/11/2014	1415	0.4	0" - 6" Brown fine sandy silt, slightly damp with roots and leaf litter	6" - 18"
				6" - 12" Brown fine silty sandy, slightly damp with gray mottling through-out and few fine rounded pebbles	
				12" - 24" Light tan fine silty sand, very damp	
SWMU-13-SS-9	12/11/2014	1430	0.2	0" - 2" Dark brown very fine damp sandy silt with roots, a worm, and grass clippings	6" - 18"
				2" - 24" Light tan fine sandy silt, damp, with crushed white rock through-out	
SWMU-13-SS-10	12/11/2014	1457	0.6	0" - 2" Dark gray fine sandy silt, slightly damp with grass and roots	6" - 18"
				2" - 4" Tan loose fine sand with very little silt, slightly damp	
				4" - 18" Tan fine stiff silty sand, slightly damp	
				18" - 24" Tan fine silty sand, slightly damp	
SWMU-14-SS-1	12/12/2014	1002	0.0	0" - 1" Dark gray fine sandy silt, slightly damp with few grass clippings and roots	6" - 18"
				1" - 24" Tan fine silty sand, damp with mica and a few cemented sand patches from 1" to 3"	
SWMU-14-SS-2	12/12/2014	1018	0.2	0" - 1" Tan fine silty sand, very damp with two 0.75" cemented sand particles and roots through-out	6" - 18"
				1" - 12" Tan fine sand, very slightly damp, few small angular pebbles	
				12" - 20" Tan fine tight silty sand, very slightly damp with a large pebble at 19.5"	
				20" - 20.5" Light gray fine micaceous silty sand, very slightly damp	
				20.5" - 24" Gray fine loose micaceous silty sand, very slightly damp	
SWMU-14-SS-3	12/12/2014	1039	0.0	0" - 24" Light brown fine loose silty sand, damp with very little mica	6" - 18"
SWMU-14-SS-4	12/12/2014	1059	0.3	0" - 2" Tan to dark brown fine silty sand, damp with moss and grass clippings	6" - 18"
				2" - 20" Tan fine sand with little silt, damp and few medium to small rounded pebbles	
				20" - 24" Tan fine soft silty sand, damp to wet	
SWMU-14-SS-5	12/12/2014	828	0.1	0" - 0.75" Tan fine silty sand, damp with grass at surface	6" - 18"
				0.75" - 24" Gray very fine sandy silt, damp to wet	
SWMU-14-SS-6	12/12/2014	927	0.0	0" - 2" Dark gray fine sand with little silt, damp and a very tight grass root ball	6" - 18"
				2" - 20" Fine tan sand with little silt, damp to very damp	
				20" - 24" Fine tan sand with little silt, wet	

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SWMU-14-SS-7	12/11/2014	1648	0.3	0" - 20" Light brown loose fine sandy silt, very slightly damp with small rounded pebble through-out	6" - 18"
				20" - 24" Light brown very slightly stiff fine sandy silt very slightly damp with small rounded pebble through-out	
SWMU-14-SS-8	12/11/2014	1632	0.4	0" - 4" Tan fine silty sand, damp with few rocks	6" - 18"
				4" - 24" Grayish brown fine silty sand, damp with a gravel piece at 9" and 14"	
SWMU-14-SS-9	12/12/2014	850	0.3	0" - 2.5" Orangish brown fine silty sand, damp to wet with roots and grass at the surface	6" - 18"
				2.5" - 8" Light brown fine loose silty sand, damp to wet with mica	
				8" - 19" Gray fine to very fine sandy silt, damp with refusal at 19"	
SWMU-14-SS-10	12/12/2014	808	0.0	0" - 16" Fine tan silty sand, few rock fragments	6" - 18"
				16" - 17.5" Light tan fine sand with very little silt, slightly damp	
				17.5" - 24" Orangish brown fine sandy silt, damp	
SWMU-15-SS-1	12/4/2014	950	0.0	0" - 7" brown fine loose sandy silt with roots, damp	6" - 18"
				7" - 18" Tan fine silty sand, slightly damp micaceous, moist, **some plastics**	
				18" - 24" Dark tan silty sand with **few small high purity silicone fragments**	
SWMU-15-SS-2	12/4/2014	1235	0.0	0" - 3" bls dark gray fine silt sand with grass roots, moist	6" - 18"
				3" - 5" bls gray fine micaceous silty sand, slightly damp with a rock fragment at 5" BLS	
				5" - 8" Tan fine micaceous silty sand, slightly damp	
				8" - 10" Dark grey to black ash with some burnt ash odor	
				10" - 24" gray loose - fine silt sand, slightly moist, damp , with **ash from 22" to 23" BLS**	
SWMA-15-SS-3	12/4/2014	1302	0.0	0" - 8" light brown loose fine sandy silt with little dark banding and mica, pine grass, damp	6" - 18"
				8" - 24" light tan loose fine grained silty sand with angular gravel, micaceous, damp	
SWMU-15-SS-4	12/3/2014	1637	0.0	0" - 6" bls - light brown fine grained silty sand with grass and slightly damp ,and white rock 2" bls	6" - 18"
				6" - 24" Light tan fine grained silty sand, very slightly damp, white rock at 17" bls	
SWMU-15-SS-5	12/3/2014	1555	0.0	0" - 2" vegetation	6" - 18"
				2" - 8" gray fine silty sand with mica, slightly damp, small angular gravel	
				8" - 24" bls - tan fine / medium grained sandy silt with mica gravel at 11" bls, very slightly damp	

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SWMU-15-SBS-1	12/4/2014	1530	0 / 0 HS	0" - 9" Tan fine silty sand with damp, rock fragments	35" - 43"
			0 / 0.7 HS	**9" - 13"** bls Brown fine silty sand with mica, few roots and with less rock fragments, damp and **a 3/4 " cement fragment**	
			0 / 0.3 HS	1 3" - 20" bls tan fine silty sand with mica and 2 small rock fragments	
			0 / 0 HS	**20" - 27"** bls tan fine silty sand with mica, **5 wood pieces,** rock, **cement particles**	
			0 / 0 HS	**27" - 35**" tan fine sandy silt, very damp, **item recovered: 1 small porcelain like rock, and insulation like material**	
			0 / 0.6 HS	**35" - 43"** bls gray fine silty sand with mica, very damp, item recovered: roots several small rocks (angular gravel size), **a wood fragment, and 1 small piece of high purity silicone**	
			0 / 0.3 HS	**43" - 49"** bls brown fine loose sand, damp to wet, with roots, **wood**, 3 rocks, and **a piece of plastic**	
			0 / 0.4 HS	**49" - 57"** bls fine brown sand, very moist to wet with a lot of ground with roots, **1 piece of plastic**	
SWMU-15-SBS-2	12/5/2014	1045	0 / 0 HS	0" - 8" brown fine silty sand, damp with roots and grass, and medium / small / large angular rocks	85" - 91"
			0 / 0.3 HS	8" - 11" brown fine silty sand with mica, very damp and with roots and small to large angular gravel	
			0 / 0.3 HS	11"- 16" brown fine silty sand, very damp and with roots and small to medium angular gravel	
			0 / 0.4 HS	16" -20" brown fine silty sand, very damp and with 2 medium angular gravel rocks	
			0 / 0.3 HS	20" -26" light brown fine silty sand, very slightly damp with some gray silty lens - 3 small angular rocks	
			0 / 0.3 HS	26" - 32" light brown fine silty sand, very slightly damp with- 5 small and medium angular rocks	
			0 / 0.3 HS	32" - 36" light brown fine silty sand, very slightly damp with brown orange silt lens, 1 medium angular rock	
			0 / 0.3 HS	36" - 41" light brown fine silty sand, very slightly damp with few reddish brown lens, 1 piece of partially weathered rock	
			0 / 0.4 HS	41" -46" light brown fine silty sand, damp with few small gray silt nodules	
			0 / 0.3 HS	46" - 52" light brown fine silty sand, damp, 3 small and medium pieces of angular gravel	
			0 / 0.6 HS	52" - 57" gray fine silty sand with light gray saprolite, nodules of orangish brown silt with fine sand, damp, 2 small pieces of rock	
			0 / 0.7 HS	57" - 61" bls dark gray silt with little fine sand, very slightly damp, 5 pieces of small rock fragments	
			0 / 0.7 HS	61" - 66" light gray fine sandy silt, damp, light gray saprolite, and 2 small rocks	

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			0 / 0.7 HS	66" - 70" light gray fine sandy silt, damp, light gray saprolite with little brown banding, some roots, 1 large piece of rock .5" in size	
			0 / 0.3 HS	70" - 74" gray fine silty sand, damp, few roots - single piece of saprolite with gray banding	
			0 / 0.4 HS	**74" - 79"** gray fine silty sand, damp, few roots - single piece of saprolite with gray banding - **1 piece of thin 1" wood**, and 6 small angular rocks	
			0 / 0.6 HS	79" - 85" light gray fine silty sand, damp, saprolite with light gray / gray banding, and a 1" angular gravel at 85"	
			0 / 0.5 HS	85" - 91" light gray fine silty sand, damp, saprolite with light gray / gray banding, and 1 piece of medium angular gravel	
			0 / 0.2 HS	91" - 97" gray fine grained sand with silt, damp, 5 medium angular rock fragments	
SWMU-15-SBS-3	12/9/2014	Not Sampled	NM / NM HS	0" - 7" gray silty sand with gravel, damp	Not Sampled
			0 / 0.1 HS	7"-10" gray fine sand with little silt - a lot of small angular gravel, damp	
			0 / 0.1 HS	10"-17" Tan fine silty sand, slightly damp - less small to medium angular gravel	
			0 / 0.1 HS	17" - 19" Medium/small angular gravel with light gray, sandy silt, slightly damp	
			0 / 0.1 HS	19" -22" Medium to large gravel with light gray, sandy silt, slightly damp	
			0 / 0.1 HS	22" - 25" Medium to large gravel with light gray, sandy silt, slightly damp with less sand	
			0 / 0.1 HS	25" - 35" Medium to large gravel with light gray, sandy silt, slightly damp with less sand	
			0 / 0.1 HS	35" -36" Medium to large gravel with light gray, sandy silt, slightly damp with less sandy silt, more gravel	
			0.2 / 4.5 HS	0" - 8" Brown, fine micaceous sandy silt, slightly damp with root and grass	
			0.1 / 0.1 HS	8" - 14" Tan fine sandy silt with roots and few small to medium angular rocks	
			0.5 / 0.1 HS	14" - 23" Tan, fine slightly damp sandy silt with a 1" to 1.5" nodule silt and small angular gravel	
			0 / 0 HS	23" - 31" Tan, fine slightly silty sand slightly damp with few roots, and 1 rock fragment	
			0 / 0 HS	31" - 37" Light brown very fine silty sand slight damp with few roots, 1 small partially weathered rock fragment	

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SWMU-15-SBS-4	12/9/2014	1346	0.1 / 0 HS	37" - 44" Light brown very fine silty sand slight damp with few roots, mica, and 1 medium angular gravel	55" - 65"
			0.2 / 0 HS	44" - 48" Light brown very fine silty sand slight damp with less roots, mica, and 1 angular piece of gravel	
			0 / 0 HS	48" - 55" Light brown very fine silty sand slight damp, and a nodule of orangish brown micaceous silt no roots	
			0 / 0 HS	55" - 59" Tan very fine micaceous silty sand, slightly damp and few partially weathered rock fragments (white / dark gray banded)	
			0 / 0 HS	59 " - 65" Tan very fine micaceous silty sand, slightly damp and few partially weathered rock fragments (white / dark gray banded) with 1 small rock fragment	
			0 / 0 HS	71" - 76" Tan very fine micaceous silty sand, slightly damp and 2 partially weathered rock fragments	
SWMU-15-SBS-5	12/9/2014	1610	0 / 6.2 HS	0" - 8" Brown fine silty sand with a lot of roots and grass, damp	36" - 42"
			0 / 2.1 HS	8" - 12" Light brown, fine sandy silt, slightly damp with roots 4 small to medium angular gravel pieces	
			0 / 0 HS	12" - 17" Light brown very fine sandy silt, slightly damp, few roots, and 3 pebbles	
			0 / 0 HS	17" - 23" Light brown very fine sandy silt, slightly damp	
			0 / 0.2 HS	23" - 30" Light brown very fine sandy silt, slightly damp, few roots	
			0 / 0 HS	30" - 36" Light brown very fine sandy silt, slightly damp but damper than previous depth, small piece partially weathered rock with light gray with banding, and 1 small rock	
			0 / 0 HS	36" - 42" Light brown very fine sandy silt, damp,1 orangish brown silt nodule about .75" an 4 small partially weathered rock fragments	
			0 / 0.1 HS	42" - 47" Gray very fine sand, with little silt, damp, 4 small rock fragments	
			0 / 0 HS	47" - 50" Tan, very fine silty sand, slightly damp, 2 medium angular gravel pieces	
			0 / 0 HS	50" - 55" Tan, very fine silty sand, slightly damp, 2 small angular rocks	
			0 / 0 HS	55" - 59" Tan, very fine silty sand, damp to wet, 1" diameter - partially weathered rock fragment that has light gray to gray banding, 1 medium angular piece of gravel	
SWMU-16-SS-1	12/10/2014	1109	0.0	0" - 2" Dark gray fine silty sand, fill, mica, pine needles, slightly damp	6" - 18"
				2" - 24" Light tan very fine sandy silt with mica, very slightly damp	
SWMU-16-SS-2	12/10/2014	1125	0.0	0" - 2" Dark gray silty sand, damp with rock a white fragment	6" - 18"
				2" - 2.1" Fine black silty sand, slightly damp	
				2.1" - 6" Tan silty sand, slightly damp	
				6" - 14" Gray fine silty sand, damp	
				14" - 14.2" Tan fine silty sand, damp	
				14.2" - 24" Dark gray fine silt sand, damp	

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SWMU-16-SS-3	12/10/2014	1348	0.0	0" - 3" Dark gray fine sandy silt, dry, few root and pine needles	6" - 18"
				3" - 7" Light gray, fine sandy silt, dry	
				7" - 14.5" Tan fine silty sand, slightly damp, with few pebbles	
				14.5" - 15" Dark gray fine silty sand, slightly damp	
				15" - 24" Light tan fine silty sand, slightly damp, with rock fragments at 18"	
SWMU-16-S-10	12/10/2014	1409	0.0	0 - 2" Dark brown fine sandy silt, , slightly damp with pine needles, roots and grass	6" - 18"
				2" - 8" Light brown fine silty sand, slightly damp with a few small rounded pebbles	
				8" - 15" Tan fine silty sand, slightly damp with few small pebbles that had little light gray strip	
				15" - 24" Light brown tan fine silty sand, slightly damp	
SWMU-16-SS-4	12/10/2014	1447	0.0	0" - 2" Dark brown silty sand, slightly damp , pine needles and roots	6" - 18"
				2" - 7" Light gray fine silty sand, slightly damp with a lot of small round gravel	
				7" - 14" Tan fine silty sand, damp	
				14" - 18" Dark gray fine silty sand, damp	
				18" - 20" Light gray fine to medium well sorted sand, very slightly, damp	
				20" - 24" Brown very fine sandy silt, very slightly damp	
SWMU-16-SS-5	12/10/2014	1537	0.4	0" -3" Dark gray fine sandy silt, slightly damp with roots	6" - 18"
				3" -24" Light tan fine silty sand	
SWMU-16-SS-6	12/10/2014	1555	0.3	0" - 1" Dark brown fine sandy silt, very slightly damp	6" - 18"
				1" - 8" Tan very fine silty sand, very slightly damp	
				8" - 9" Piece of rock	
				9" - 17" Tan fine silty sand, slightly damp	
				17" - 19" Light tan silty sand, slightly damp	
				19" - 24" Tan silty sand, slightly damp	
SWMU-16-SS-7	12/10/2014	1618	0.3	0" - 2" Brown fine sandy silt, slightly damp with roots and grass	6" - 18"
				2" - 2.3" Dark gray sandy silt	
				2.3" - 4" Orangish brown fine silty sand, damp	
				4" - 12" Tan fine silty sand , slight damp with white partially weathered rock	
				12" - 16" tan fine silty sand, slightly damp, with mica	
				16" - 24" Tan fine silty sand, slightly damp, with few roots	
SWMU-16-SS-8	12/11/2014	855	0.0	0" -1" Dark brown fine silty sand, slightly damp with pine needles	6" - 18"
				1" - 6" Light tan fine silty sand, slightly damp	
				6" - 12" Brown fine silty sand, slightly damp	
				12" - 24" Tan fine silty sand, slightly damp	

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SWMU-16-SS-9	12/10/2014	1642	0.2	0" - 4" Gray fine silty sand, damp with small angular gravel, roots, grass, and clippings	6" - 18"
				4" - 14" Light gray fine sandy silt, slightly damp	
				14" - 24" Very light gray fine silty sand, slightly damp	
SWMU-19-SS-1	12/3/2014	1157	0.0	0" - 4" Gray soft damp fine silty sand with little leaf litter	6" - 18"
				4" - 24" Gray fine sandy silt with few pebbles 10" Rock 11" - 12" Tan fine silt sandy	
SWMU-19-SS-2	12/3/2014	1420	3.4	0" - 18" bls Light brown loose fine silty sand with little pine needles, damp	6" - 18"
				18" - 24" bls light brown little white mottling, loose fine silty sand, damp	
SWMU-19-SS-3	12/3/2014	1216	0.0	0" - 3" bls brown fine silty sand with roots and pine needles, damp	6" - 18"
				3" - 10" bls light brown micaceous fine silt sand, very few roots, damp	
				10" - 14" bls light gray fine micaceous silty sand, damp	
				14" - 17" tan fine silty sand, very slightly damp	
				17" - 19" gray fine silty sand, micaceous, slightly damp	
				19" - 20" bls light gray fine silt sand, damp	
				20" - 24" bls light orange fine silt sand, with mica and slightly damp	
SWMU-2C-SBS-1	12/10/2014	930	0 / 0 HS	0" - 9" Brown fine sandy silt, damp, with small to medium angular gravel and roots	67" - 74"
			0.4 / 0.6 HS	9" - 13" Brown fine silty sand with small to medium angular gravel, roots, and grass	
			0.3 / 0.5 HS	13" - 18" Brown fine silty sand with less small to medium angular gravel, and less roots	
			0.1 / 0.6 HS	18" - 22" Light tan fine sand with little silt, few small nodules orangish brown clay with sand and few small to medium round rocks	
			0.2 / 0.5 HS	22" - 27" Light tan fine damp sand, little silt, few light orange / tan silt Nodules with few angular rocks	
			0.3 / 0.6 HS	27" - 33" Light gray very fine sand with little silt, few small rocks, slightly damp	
			0.2 / 0.6 HS	33" - 39" Light gray very fine sand with little silt, few small rocks, damp	
			0.1 / 0.6 HS	39" - 44" Light gray very fine sand with little silt, few small rocks, damp, few 1" to 1.5" diameter orangish tan silt nodules with sand	
			0.2 / 0.6 HS	44" - 51" Light brown fine silty sand, damp with roots and few medium angular gravel	
			0.2 / 0.6 HS	51" - 57" Gray to light gray fine sand with little silt, damp with small angular gravel, few roots	
			0.1 / 0.6 HS	57" - 61" Gray to light gray fine sand with little silt, damp with increasing amounts of small angular gravel	

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			0 / 0.6 HS	61" - 67" Gray to light gray fine sand with little silt, damp with increasing amounts of small angular gravel and a 1" diameter orange sandy silt nodule	
			0.1 / 0.6 HS	67" - 74" Gray fine silty sand, damp but increasingly dampening with depth and increases in the small to medium angular gravel	
			0.1 / 0.6 HS	74" - 82" Gray fine silty sand, very damp to wet with few 1" - 1.5" brown sandy silt nodules	
SWMU-12A-CB-1	10/29/2014	1435	NM	0"-6" No recovery 6"-24" Light olive/tan sandy silt, moist, fine-grained sand, micaceous	0-24"
SWMU-12A-CB-2	10/29/2014	1450	NM	0"-1.5" No recovery 1.5"-2" topsoil/organic material 2"-23" Light tan (mottled with orange) sandy silt, moist, micaceous; sand was fine to coarse-grained 23"-24" Saprolite: white, fine to coarse-grained silty sand, moist	0-24"
SWMU-12A-CB-3	10/29/2014	1500	NM	0"-4" No recovery 4"-6" Leaf mold 6"-24" Tan (mottled with olive) silty sand, moist, with flecks of black weathered mineral	0-24"
SWMU-12B/C-CB-1	10/29/2014	1515	NM	0"-1" No recovery 1"-2"Grassy organics 2"-23" Olive, very fine-grained sandy silt, very micaceous, very moist, some quartz fragments 23"-24" with clay	0-24"
SWMU-12B/C-CB-2	10/29/2014	1530	NM	0-6" No recovery 6"-7" Grassy organics 7"-23"Orange and olive mottled, sandy silt, moist, sand was fine to coarse-grained, with quartz and rock fragments 23"-24" Light grey silt, micaceous	0-24"
SWMU-12B/C-CB-3	10/29/2014	1550	NM	0"-2" No recovery 2"-7" Light olive, fine-grained silty sand, moist **7"-8" Green turquoise plastic** 8"-24" Light olive, fine-grained silty sand, moist	0-24"
SWMU-18A-CB-1	10/29/2014		NM	0-6" No recovery 6"-12" Grey/olive fine to coarse-grained silty sand, moist, with gravel 12"-18" No recovery 18"-24" Grey/olive fine to coarse-grained silty sand, moist, with gravel	0-24"
SWMU-4-CB-1	10/30/2014	855	NM	0-2" Moss/topsoil 2"-6" Olive tan, sandy silt 6"-18" Dark grey (mottled with light grey) organic sandy silt with clay 18"-24" Black organic silt with wood fragments, some sand	0-24"

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SWMU-4-CB-2	10/30/2014	915	NM	0-1" No recovery 1"-9" Black and rust-colored silty sand 9"-24" Olive to light grey, fine-grained silty sand, moist	0-24"
SWMU-4-CB-3	10/30/2014	925	NM	0-2" No recovery 2"-9" Organic black silt with roots 9"-18" Light grey, tan and olive, very fine-grained silty sand, moist 18"-20" Organic, black, fine-grained silty sand with a few coarse grains 20"-24" Light grey, tan and olive, very fine-grained silty sand, moist	0-24"
SWMU-4-CB-4	10/30/2014	940	NM	0-1" No recovery 1"-4" Olive, fine to medium-grained sandy silt 4"-18" Tan, sandy silt, some coarse-grained 18"-19" Granitic rock fragments 19"-24" Light grey, very fine-grained silty sand	0-24"
SWMU-4-CB-5	10/30/2014	955	NM	0-4" No recovery 4"-14" Light tan to olive, fine to coarse-grained silty sand, moist 14"-24" Light grey, fine to medium-grained sand, moist	0-24"
SWMU-4-CB-6	10/30/2014	1005	NM	0-3" No recovery 3"-6" Olive, fine-grained sandy silt with roots and moss 6"-24" Olive to grey, fine-grained silty sand, moist	0-24"
SWMU-4-CB-7	10/30/2014	1017	NM	0-1" No recovery 1"-4" Olive, fine-grained sandy silt with roots 4"-14" Tan, fine-grained silty sand, moist 14"-24" Grey/olive, fine-grained silty sand	0-24"
SWMU-4-CB-8	10/30/2014		NM	0-3" No recovery 3"-6" Olive grey, fine-grained sandy silt with roots 6"-24" Tan to olive, very fine-grained silty sand	0-24"
SWMU-4-CB-9	10/30/2014	13:44	NM	0-4" No recovery 4"-9" Olive grey, fine-grained sandy silt, moist, with roots 9"-24" Fine-grained silty sand, moist, trace gravel	0-24"
SWMU-4-CB-10	10/30/2014	13:55	NM	0-4" No recovery 4"-7" Olive/grey sandy silt, with roots 7"-24" Fine-grained silty sand, moist	0-24"
SWMU-18A-CB-2	10/30/2014	14:20	NM	0-14" olive/grey, fine to medium-grained silty sand, with small to large gravel 14"-18" No gravel 18"-19" Black organic material with roots 19"-24" Olive/grey, fine to medium-grained silty sand,	0-24"

Discrete Soil Sample Descriptions
Remedial Investigation Report
DuPont Brevard Facility
Cedar Mountain, North Carolina

SAMPLE ID	DATE SAMPLED	TIME SAMPLED	PID READING	SOIL DESCRIPTION	DEPTH INTERVAL SAMPLED (Inches)
SWMU-18B-CB-1	10/30/2014	14:48	NM	**0-4"** No recovery; some rocks and **construction debris at a few attempted locations, including PVC pipe, pipe jacket with Tedlar coating, soda can** 4"-14" Olive/grey silty sand with small gravel **16" Small piece of metal**	0-16"
SWMU-20-CB-1	10/30/2014	15:06	NM	0-5" No recovery 5"-7" Olive grey sandy silt with organic matter 7"-24" Olive grey silty sand, moist, with small gravel pieces	0-24"
SWMU-20-CB-2	10/30/2014		NM	0-2" No recovery 2"-5" Olive grey sandy silt, moist 5"-24" Olive grey, fine-grained silty sand with trace coarse grains of sand	0-24"
SWMU-18B-CB-2	10/30/2014	15:33	NM	0-2" No recovery 2"-3" Olive grey organic sandy silt 3"-12" Tan (mottled with olive) silty sand 12"-24" Black silt, small pieces of organic material, no odor	0-24"

Notes:
SS = Surface Soil
SBS = Subsurface Soil
CB = Cover Investigation Boring

APPENDIX B
FINAL INVESTIGATION LABORATORY ANALYTICAL DATA

ADQM DATA REVIEW
NARRATIVE

Site **BRE: BREVARD**

Project **SOIL 2014**

Project Reviewer **Wanda M. Davis**

Sampling Date December 1-5, 2014 and December 9-12, 2014

Analytical Protocol

Laboratory	Analytical Method	Parameter(s)
Eurofins Lancaster	SW846 8260B	Apx IX VOCs
Eurofins Lancaster	SW846 6010C/6020A/7470A	APX IX Metals
Eurofins Lancaster	SW846 8270D	Apx IX SVOCs + 1,4-Dioxane
Eurofins Lancaster	SW846 8082 A	PCBs
Eurofins Lancaster	SW846 8270D	Diphenyl Ether + Biphenyl
Eurofins Lancaster	SW846 8015B MOD	Glycols
Eurofins Lancaster	2540 G-1997	Moisture

Sample Receipt

The following items are noted for this data set:

- All samples were received Eurofins Lancaster Laboratories in satisfactory condition on December 4, 5, 11, 12, and 13, 2014. The cooler temperatures were as follows: 1.1, 0.8, 0.4, 0.7, 0.5, 1.4, 2.0, 0.7, 1.2, 0.2, and 0.3 degrees C. The ADQM chemist doesnôt believe the data to be impacted since the samples were cold but not frozen upon receipt.

- The following sample id discrepancies were noted however the samples were logged in as indicated on the COC:

    - Two containers were received for SSP14-SWMU14-SS-10/but five was listed on the COC/no soil Voa vials received 12/13/14.
    - There was no label on two SSP14-SWMU13-SS-8 jars.
    - TB and TB-SS were listed on the COC but were not received at the lab 12/12/14.

Data Review

One hundred percent of the electronic data submitted for this project was reviewed via the automated DuPont Data Review (DDR) process. Overall the data is acceptable for use without qualification as reported by Eurofins Laboratories, with the exception of the forty non-detect results flagged ñRò, rejected, unusable, due to low surrogate recovery (8082A), or low Relative Percent Recovery, RPR, within the LCS/LCSD (8270D) or low RPR within the MS/MSD (8270D, 6020A) and the fifty three Tin (6010C) results flagged ñBò, due to method blank contamination. Twelve 8015C non-detect results were flagged ñUJò, due to low surrogate recovery and holding time being exceeded. Twelve 8270D, non-detect results were flagged ñUJò, estimated, due to low RPR within the LCS/LCSD/MS/MSD. Several non-detect

result were flagged ñUJò, estimated, due to low surrogate recovery (8082A, 8015C), low RPR within the LCS/LCSD (8270D), or low RPR within the MS/MSD (8270D, 6020A). Several results were qualified ñJò, estimated, due to high RPR within the MS/MSD (6020A) or the quality review criteria between the REP (laboratory replicate) and the parent sample were exceeded (2540G-1997, 6020A, 6010C), or high Relative Percent Difference, RPD, between field duplicate and parent sample (8270D, 8082, 8260B) or low RPR within the MS/MSD (6020A, 6010C, 8270D). Results detected between the method detection limit (MDL) and practical quantitation limit (PQL) were qualified ñJò estimated. The DuPont Data Review (DDR) Narrative Report, which follows this cover letter, lists the samples that were qualified, the specific reasons for qualification, and potential bias in reported results.

DuPont Data Review (DDR)

The DDR is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIMÊ database and processed through a series of data quality checks, which are a combination of software (Locus EIMÊ database Data Validation Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike(MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference / percent difference between total and dissolved sample pairs.

The DDR applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

Please refer to the laboratory report for a description of the lab qualifiers.

DVM Narrative Report

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: One or more surrogates had relative percent recovery (RPR) values less than the data rejection level. The detection limit is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-SS-1-120314	12/03/2014	7700536	PCB 1260	0.15	UG/L	MDL	0.15	0.50	R	8082A		3510C
EB-SS-1-120314	12/03/2014	7700536	PCB 1254	0.10	UG/L	MDL	0.10	0.50	R	8082A		3510C
EB-SS-1-120314	12/03/2014	7700536	PCB 1221	0.10	UG/L	MDL	0.10	0.50	R	8082A		3510C
EB-SS-1-120314	12/03/2014	7700536	PCB 1232	0.20	UG/L	MDL	0.20	0.50	R	8082A		3510C
EB-SS-1-120314	12/03/2014	7700536	PCB 1248	0.10	UG/L	MDL	0.10	0.50	R	8082A		3510C
EB-SS-1-120314	12/03/2014	7700536	PCB 1016	0.10	UG/L	MDL	0.10	0.50	R	8082A		3510C
EB-SS-1-120314	12/03/2014	7700536	PCB 1242	0.10	UG/L	MDL	0.10	0.50	R	8082A		3510C

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values below the data rejection level. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-SS-2-121114	12/11/2014	7711223	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
EB-SS-4-120414	12/04/2014	7700532	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
EB-SS-3-120414	12/04/2014	7700528	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the data rejection level. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-2	12/02/2014	7700505	3,3'-Dimethylbenzidine	2900	UG/KG	MDL	2900	5800	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	1,4-Naphthoquinone	4900	UG/KG	MDL	4900	19000	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Hexachloropropylene	580	UG/KG	MDL	580	1900	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	4,6-Dinitro-2-Methylphenol	970	UG/KG	MDL	970	2900	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	4-Nitroquinoline-N-Oxide	1900	UG/KG	MDL	1900	5800	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	2,4-Dinitrophenol	1800	UG/KG	MDL	1800	5800	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Aniline	970	UG/KG	MDL	970	2900	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Hexachlorocyclopentadiene	970	UG/KG	MDL	970	2900	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	2-Naphthylamine	970	UG/KG	MDL	970	2900	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Methapyrilene	9700	UG/KG	MDL	9700	29000	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	4-Aminobiphenyl	970	UG/KG	MDL	970	2900	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	O-Toluidine	1200	UG/KG	MDL	1200	3900	R	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	5-Nitro-Ortho-Toluidine	970	UG/KG	MDL	970	2900	R	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	3,3'-Dimethylbenzidine	590	UG/KG	MDL	590	1200	R	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	1-Naphthylamine	200	UG/KG	MDL	200	590	R	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	2-Naphthylamine	200	UG/KG	MDL	200	590	R	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Methapyrilene	2000	UG/KG	MDL	2000	5900	R	8270D		3546
SSP14-SWMU13-SS-9	12/11/2014	7711197	Antimony	0.0971	MG/KG	MDL	0.0971	0.460	R	6020A		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Antimony	0.0959	MG/KG	MDL	0.0959	0.455	R	6020A		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Antimony	0.0932	MG/KG	MDL	0.0932	0.442	R	6020A		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Antimony	0.107	MG/KG	MDL	0.107	0.508	R	6020A		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Antimony	0.101	MG/KG	MDL	0.101	0.480	R	6020A		3050B

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the data rejection level. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU14-SS-6	12/12/2014	7711204	Antimony	0.102	MG/KG	MDL	0.102	0.481	R	6020A		3050B
SSP14-SWMU14-SS-7	12/11/2014	7711205	Antimony	0.0974	MG/KG	MDL	0.0974	0.462	R	6020A		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Antimony	0.0978	MG/KG	MDL	0.0978	0.464	R	6020A		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	3,3'-Dimethylbenzidine	630	UG/KG	MDL	630	1300	R	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Methyl Methanesulfonate	42	UG/KG	MDL	42	210	R	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	2-Naphthylamine	210	UG/KG	MDL	210	630	R	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Methapyrilene	2100	UG/KG	MDL	2100	6300	R	8270D		3546
SSP14-SWMU16-SS-3	12/10/2014	7711213	Antimony	0.0948	MG/KG	MDL	0.0948	0.449	R	6020A		3050B

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-4	12/10/2014	7711214	Tin	2.98	MG/KG	MDL	0.472	21.9	B	6010C		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Tin	3.23	MG/KG	MDL	0.476	22.2	B	6010C		3050B
SSP14-SWMU16-SS-10	12/10/2014	7711220	Tin	2.88	MG/KG	MDL	0.489	22.7	B	6010C		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Tin	3.27	MG/KG	MDL	0.490	22.8	B	6010C		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Tin	3.30	MG/KG	MDL	0.496	23.1	B	6010C		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Tin	4.17	MG/KG	MDL	0.534	24.8	B	6010C		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Tin	3.06	MG/KG	MDL	0.506	23.5	B	6010C		3050B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Tin	3.06	MG/KG	MDL	0.509	23.7	B	6010C		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Tin	2.57	MG/KG	MDL	0.489	22.8	B	6010C		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Tin	3.30	MG/KG	MDL	0.488	22.7	B	6010C		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Tin	3.24	MG/KG	MDL	0.483	22.5	B	6010C		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Tin	3.71	MG/KG	MDL	0.570	26.5	B	6010C		3050B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Tin	3.27	MG/KG	MDL	0.488	22.7	B	6010C		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Tin	3.20	MG/KG	MDL	0.485	22.6	B	6010C		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Tin	3.25	MG/KG	MDL	0.484	22.5	B	6010C		3050B
SSP14-SWMU19-SS-3	12/03/2014	7700525	Tin	3.65	MG/KG	MDL	0.474	22.0	B	6010C		3050B
SSP14-SWMU19-SS-1	12/03/2014	7700523	Tin	3.54	MG/KG	MDL	0.491	22.8	B	6010C		3050B
SSP14-SWMU19-SS-2	12/03/2014	7700524	Tin	3.08	MG/KG	MDL	0.483	22.5	B	6010C		3050B
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Tin	3.17	MG/KG	MDL	0.489	22.7	B	6010C		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Tin	2.85	MG/KG	MDL	0.536	24.9	B	6010C		3050B
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Tin	2.89	MG/KG	MDL	0.532	24.8	B	6010C		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Tin	3.25	MG/KG	MDL	0.473	22.0	B	6010C		3050B

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Tin	3.14	MG/KG	MDL	0.471	21.9	B	6010C		3050B
SSP14-SWMU14-SS-7	12/11/2014	7711205	Tin	4.18	MG/KG	MDL	0.496	23.1	B	6010C		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Tin	3.10	MG/KG	MDL	0.498	23.2	B	6010C		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Tin	3.07	MG/KG	MDL	0.518	24.1	B	6010C		3050B
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Tin	3.94	MG/KG	MDL	0.522	24.3	B	6010C		3050B
SSP14-SWMU14-SS-6	12/12/2014	7711204	Tin	3.82	MG/KG	MDL	0.517	24.1	B	6010C		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Tin	2.60	MG/KG	MDL	0.475	22.1	B	6010C		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Tin	2.94	MG/KG	MDL	0.509	23.7	B	6010C		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Tin	3.24	MG/KG	MDL	0.546	25.4	B	6010C		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Tin	2.85	MG/KG	MDL	0.516	24.0	B	6010C		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Tin	3.05	MG/KG	MDL	0.507	23.6	B	6010C		3050B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Tin	2.75	MG/KG	MDL	0.494	23.0	B	6010C		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Tin	2.82	MG/KG	MDL	0.489	22.7	B	6010C		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Tin	3.56	MG/KG	MDL	0.511	23.8	B	6010C		3050B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Tin	3.83	MG/KG	MDL	0.508	23.6	B	6010C		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Tin	2.86	MG/KG	MDL	0.488	22.7	B	6010C		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Tin	3.99	MG/KG	MDL	0.524	24.4	B	6010C		3050B
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Tin	2.97	MG/KG	MDL	0.480	22.3	B	6010C		3050B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Tin	3.38	MG/KG	MDL	0.499	23.2	B	6010C		3050B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Tin	3.22	MG/KG	MDL	0.493	23.0	B	6010C		3050B
SSP14-MA-SS-6	12/02/2014	7700513	Tin	2.94	MG/KG	MDL	0.486	22.6	B	6010C		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Tin	3.13	MG/KG	MDL	0.475	22.1	B	6010C		3050B

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU13-SS-1	12/11/2014	7711185	Tin	2.78	MG/KG	MDL	0.488	22.7	B	6010C		3050B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Tin	3.76	MG/KG	MDL	0.510	23.7	B	6010C		3050B
SSP14-SWMU13-SS-3	12/11/2014	7711187	Tin	3.22	MG/KG	MDL	0.497	23.1	B	6010C		3050B
SSP14-MA-SS-2-D	12/02/2014	7700509	Tin	3.71	MG/KG	MDL	0.478	22.3	B	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Tin	3.03	MG/KG	MDL	0.492	22.9	B	6010C		3050B
SSP14-MA-SS-3	12/03/2014	7700510	Tin	3.43	MG/KG	MDL	0.470	21.8	B	6010C		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Tin	3.52	MG/KG	MDL	0.493	23.0	B	6010C		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Tin	4.50	MG/KG	MDL	0.497	23.1	B	6010C		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Tin	3.11	MG/KG	MDL	0.467	21.7	B	6010C		3050B

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: Two or more surrogates had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-SS-2-121114	12/11/2014	7711223	PCB 1242	0.081	UG/L	MDL	0.081	0.41	UJ	8082A		3510C
EB-SS-2-121114	12/11/2014	7711223	PCB 1260	0.12	UG/L	MDL	0.12	0.41	UJ	8082A		3510C
EB-SS-2-121114	12/11/2014	7711223	PCB 1254	0.081	UG/L	MDL	0.081	0.41	UJ	8082A		3510C
EB-SS-2-121114	12/11/2014	7711223	PCB 1221	0.081	UG/L	MDL	0.081	0.41	UJ	8082A		3510C
EB-SS-2-121114	12/11/2014	7711223	PCB 1232	0.16	UG/L	MDL	0.16	0.41	UJ	8082A		3510C
EB-SS-2-121114	12/11/2014	7711223	PCB 1248	0.081	UG/L	MDL	0.081	0.41	UJ	8082A		3510C
EB-SS-2-121114	12/11/2014	7711223	PCB 1016	0.081	UG/L	MDL	0.081	0.41	UJ	8082A		3510C
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Ethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Diethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Triethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Propylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SWMU15-SS-2	12/04/2014	7700516	Propylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SWMU15-SS-2	12/04/2014	7700516	Ethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SWMU15-SS-2	12/04/2014	7700516	Diethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SWMU15-SS-2	12/04/2014	7700516	Triethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit but above 10%. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-9	12/10/2014	7711219	Methapyrilene	1900	UG/KG	MDL	1900	5800	UJ	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Pronamide	38	UG/KG	MDL	38	190	UJ	8270D		3546
SSP14-SWMU16-SS-8	12/11/2014	7711218	Methapyrilene	1900	UG/KG	MDL	1900	5800	UJ	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Methapyrilene	1900	UG/KG	MDL	1900	5800	UJ	8270D		3546
SSP14-SWMU16-SS-8	12/11/2014	7711218	Pronamide	39	UG/KG	MDL	39	190	UJ	8270D		3546
SSP14-SWMU16-SS-5	12/10/2014	7711215	Methapyrilene	1900	UG/KG	MDL	1900	5700	UJ	8270D		3546
SSP14-SWMU16-SS-6	12/10/2014	7711216	Pronamide	45	UG/KG	MDL	45	230	UJ	8270D		3546
SSP14-SWMU16-SS-6	12/10/2014	7711216	Methapyrilene	2300	UG/KG	MDL	2300	6800	UJ	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Pronamide	38	UG/KG	MDL	38	190	UJ	8270D		3546
SSP14-SWMU16-SS-10	12/10/2014	7711220	Methapyrilene	1900	UG/KG	MDL	1900	5800	UJ	8270D		3546
SSP14-SWMU16-SS-10	12/10/2014	7711220	Pronamide	38	UG/KG	MDL	38	190	UJ	8270D		3546
SSP14-SWMU16-SS-4	12/10/2014	7711214	Methapyrilene	1800	UG/KG	MDL	1800	5500	UJ	8270D		3546
SSP14-SWMU16-SS-5	12/10/2014	7711215	Pronamide	38	UG/KG	MDL	38	190	UJ	8270D		3546
SSP14-SWMU16-SS-3	12/10/2014	7711213	Pronamide	37	UG/KG	MDL	37	190	UJ	8270D		3546
SSP14-SWMU16-SS-3	12/10/2014	7711213	Methapyrilene	1900	UG/KG	MDL	1900	5600	UJ	8270D		3546
SSP14-SWMU16-SS-4	12/10/2014	7711214	Pronamide	37	UG/KG	MDL	37	180	UJ	8270D		3546

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-2	12/02/2014	7700505	N-Nitrosomorpholine	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	4-Dimethylaminoazobenzene	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Phenacetin	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	O,O,O-Triethylphosphorothioate	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Bis(2-Chloroethyl)Ether	97	UG/KG	MDL	97	190	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Tetraethyl Dithiopyrophosphate	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Pentachloronitrobenzene	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	1,3-Dinitrobenzene	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	1,2,4,5-Tetrachlorobenzene	97	UG/KG	MDL	97	190	UJ	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Safrole	390	UG/KG	MDL	390	970	UJ	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Antimony	0.0975	MG/KG	MDL	0.0975	0.462	UJ	6020A		3050B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Antimony	0.100	MG/KG	MDL	0.100	0.474	UJ	6020A		3050B
SSP14-SWMU13-SS-1	12/11/2014	7711185	Antimony	0.0958	MG/KG	MDL	0.0958	0.454	UJ	6020A		3050B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Antimony	0.0969	MG/KG	MDL	0.0969	0.459	UJ	6020A		3050B
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Antimony	0.0942	MG/KG	MDL	0.0942	0.446	UJ	6020A		3050B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Antimony	0.0997	MG/KG	MDL	0.0997	0.473	UJ	6020A		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	2-Picoline	120	UG/KG	MDL	120	390	UJ	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Antimony	0.0924	MG/KG	MDL	0.0924	0.438	UJ	6020A		3050B
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Antimony	0.104	MG/KG	MDL	0.104	0.495	UJ	6020A		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Antimony	0.105	MG/KG	MDL	0.105	0.498	UJ	6020A		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Ethyl Methanesulfonate	84	UG/KG	MDL	84	210	UJ	8270D		3546

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Antimony	0.0959	MG/KG	MDL	0.0959	0.455	UJ	6020A		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Antimony	0.0952	MG/KG	MDL	0.0952	0.451	UJ	6020A		3050B

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-10	12/10/2014	7711220	Lead	7.15	MG/KG	MDL	0.0146	0.455	J	6020A		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Arsenic	1.31	MG/KG	MDL	0.0985	0.923	J	6020A		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Thallium	0.328	MG/KG	MDL	0.0346	0.231	J	6020A		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Thallium	0.442	MG/KG	MDL	0.0372	0.248	J	6020A		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Arsenic	1.55	MG/KG	MDL	0.101	0.942	J	6020A		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Arsenic	2.07	MG/KG	MDL	0.106	0.993	J	6020A		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Thallium	0.445	MG/KG	MDL	0.0353	0.235	J	6020A		3050B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Thallium	0.373	MG/KG	MDL	0.0355	0.237	J	6020A		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Thallium	0.364	MG/KG	MDL	0.0341	0.228	J	6020A		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Arsenic	1.26	MG/KG	MDL	0.0972	0.910	J	6020A		3050B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Arsenic	1.34	MG/KG	MDL	0.101	0.947	J	6020A		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Lead	9.43	MG/KG	MDL	0.0145	0.451	J	6020A		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Lead	12.0	MG/KG	MDL	0.0144	0.450	J	6020A		3050B
SSP14-SWMU19-SS-1	12/03/2014	7700523	Thallium	0.277	MG/KG	MDL	0.0342	0.228	J	6020A		3050B
SSP15-SWMU16-SS-10	02/10/2015	7768575	Acetone	22	UG/KG	MDL	7	20	J	8260B		5035A
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Lead	16.5	MG/KG	MDL	0.0146	0.455	J	6020A		3050B
SSP14-SWMU19-SS-1	12/03/2014	7700523	Arsenic	1.94	MG/KG	MDL	0.0975	0.913	J	6020A		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Lead	9.55	MG/KG	MDL	0.0160	0.498	J	6020A		3050B
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Lead	9.02	MG/KG	MDL	0.0159	0.495	J	6020A		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Arsenic	1.34	MG/KG	MDL	0.0940	0.880	J	6020A		3050B
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Thallium	0.337	MG/KG	MDL	0.0364	0.243	J	6020A		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Thallium	0.228	MG/KG	MDL	0.0330	0.220	J	6020A		3050B

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Arsenic	2.22	MG/KG	MDL	0.104	0.972	J	6020A		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Thallium	0.407	MG/KG	MDL	0.0331	0.221	J	6020A		3050B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Lead	11.7	MG/KG	MDL	0.0152	0.473	J	6020A		3050B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Lead	10.8	MG/KG	MDL	0.0149	0.464	J	6020A		3050B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Lead	12.5	MG/KG	MDL	0.0147	0.459	J	6020A		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Lead	11.0	MG/KG	MDL	0.0146	0.454	J	6020A		3050B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Lead	18.8	MG/KG	MDL	0.0152	0.474	J	6020A		3050B
SSP14-SWMU13-SS-3	12/11/2014	7711187	Lead	10.7	MG/KG	MDL	0.0148	0.462	J	6020A		3050B
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Lead	9.85	MG/KG	MDL	0.0143	0.446	J	6020A		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Arsenic	2.09	MG/KG	MDL	0.0944	0.884	J	6020A		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Thallium	0.341	MG/KG	MDL	0.0346	0.231	J	6020A		3050B
SSP14-MA-SS-6	12/02/2014	7700513	Thallium	0.638	MG/KG	MDL	0.0339	0.226	J	6020A		3050B
SSP14-MA-SS-6	12/02/2014	7700513	Arsenic	2.42	MG/KG	MDL	0.0965	0.904	J	6020A		3050B
SSP14-SWMU13-SS-1	12/11/2014	7711185	Lead	8.89	MG/KG	MDL	0.0146	0.454	J	6020A		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Thallium	0.350	MG/KG	MDL	0.0344	0.229	J	6020A		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Arsenic	2.95	MG/KG	MDL	0.0978	0.916	J	6020A		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Arsenic	2.64	MG/KG	MDL	0.0986	0.924	J	6020A		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Arsenic	3.10	MG/KG	MDL	0.0980	0.918	J	6020A		3050B
SSP14-MA-SS-3	12/03/2014	7700510	Thallium	0.488	MG/KG	MDL	0.0328	0.218	J	6020A		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Thallium	0.372	MG/KG	MDL	0.0344	0.230	J	6020A		3050B
SSP14-MA-SS-3	12/03/2014	7700510	Arsenic	5.48	MG/KG	MDL	0.0933	0.874	J	6020A		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Arsenic	1.31	MG/KG	MDL	0.0928	0.869	J	6020A		3050B

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-1	12/02/2014	7700504	Thallium	0.336	MG/KG	MDL	0.0326	0.217	J	6020A		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Selenium	0.251	MG/KG	MDL	0.109	0.869	J	6020A		3050B
SSP14-MA-SS-3	12/03/2014	7700510	Selenium	0.715	MG/KG	MDL	0.109	0.874	J	6020A		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Selenium	0.424	MG/KG	MDL	0.115	0.924	J	6020A		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Selenium	0.594	MG/KG	MDL	0.115	0.918	J	6020A		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Selenium	0.586	MG/KG	MDL	0.115	0.916	J	6020A		3050B
SSP14-MA-SS-6	12/02/2014	7700513	Selenium	0.691	MG/KG	MDL	0.113	0.904	J	6020A		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Selenium	0.534	MG/KG	MDL	0.110	0.884	J	6020A		3050B
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Selenium	0.352	MG/KG	MDL	0.121	0.972	J	6020A		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Selenium	0.236	MG/KG	MDL	0.110	0.880	J	6020A		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Selenium	0.351	MG/KG	MDL	0.115	0.923	J	6020A		3050B
SSP14-SWMU19-SS-1	12/03/2014	7700523	Selenium	0.362	MG/KG	MDL	0.114	0.913	J	6020A		3050B
SSP15-SWMU16-SS-10	02/10/2015	7768575	Tetrachloroethene	2	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU15-SS-4	12/03/2014	7700518	Selenium	0.360	MG/KG	MDL	0.118	0.947	J	6020A		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Selenium	0.293	MG/KG	MDL	0.114	0.910	J	6020A		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Selenium	0.314	MG/KG	MDL	0.118	0.942	J	6020A		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Selenium	0.728	MG/KG	MDL	0.124	0.993	J	6020A		3050B

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: High relative percent difference (RPD) observed between field duplicate and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-2-D	12/02/2014	7700509	PCB 1254	190	UG/KG	MDL	19	99	J	8082		3546
SSP14-MA-SS-2-D	12/02/2014	7700509	Dibenzofuran	4600	UG/KG	MDL	97	190	J	8270D		3546
SSP14-MA-SS-2-D	12/02/2014	7700509	Acenaphthene	4900	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2-D	12/02/2014	7700509	Fluorene	8600	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2-D	12/02/2014	7700509	Naphthalene	7300	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2-D	12/02/2014	7700509	2-Methylnaphthalene	3200	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2-D	12/02/2014	7700509	Biphenyl	980	UG/KG	MDL	97	190	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Acenaphthene	2500	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Fluorene	4100	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Naphthalene	640	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	2-Methylnaphthalene	550	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Biphenyl	430	UG/KG	MDL	97	190	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Dibenzofuran	1200	UG/KG	MDL	97	190	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	PCB 1254	240	UG/KG	MDL	3.8	20	J	8082		3546

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: High relative percent difference (RPD) observed between MS and MSD samples. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Carbon Disulfide	1	UG/KG	MDL	1	6	J	8260B		5035A

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-3	12/10/2014	7711213	Percent Moisture	11.0	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU16-SS-4	12/10/2014	7711214	Percent Moisture	10.6	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU16-SS-1	12/10/2014	7711211	Percent Moisture	14.4	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU16-SS-10	12/10/2014	7711220	Percent Moisture	14.6	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU16-SS-2	12/10/2014	7711212	Percent Moisture	14.0	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU15-SS-2	12/04/2014	7700516	Lead	18.0	MG/KG	MDL	0.0398	1.24	J	6020A		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Copper	18.6	MG/KG	MDL	0.409	2.48	J	6010C		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Lead	16.6	MG/KG	MDL	0.0151	0.471	J	6020A		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Copper	7.48	MG/KG	MDL	0.388	2.35	J	6010C		3050B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Lead	13.3	MG/KG	MDL	0.0152	0.474	J	6020A		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Lead	12.0	MG/KG	MDL	0.0146	0.455	J	6020A		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Copper	3.56	MG/KG	MDL	0.376	2.28	J	6010C		3050B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Copper	3.44	MG/KG	MDL	0.391	2.37	J	6010C		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Percent Moisture	26.8	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU16-SS-5	12/10/2014	7711215	Percent Moisture	13.2	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU16-SS-7	12/10/2014	7711217	Percent Moisture	14.4	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU16-SS-8	12/11/2014	7711218	Percent Moisture	13.9	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU19-SS-1	12/03/2014	7700523	Lead	18.3	MG/KG	MDL	0.0147	0.457	J	6020A		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Percent Moisture	13.7	%	MDL	0.50	0.50	J	2540 G-1997		
SSP15-SWMU16-SS-10	02/10/2015	7768575	Percent Moisture	14.8	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-SWMU19-SS-1	12/03/2014	7700523	Copper	3.83	MG/KG	MDL	0.377	2.28	J	6010C		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Lead	15.9	MG/KG	MDL	0.0148	0.461	J	6020A		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Copper	15.4	MG/KG	MDL	0.381	2.31	J	6010C		3050B

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Validation Reason Code: Quality review criteria exceeded between the REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Lead	30.1	MG/KG	MDL	0.0390	1.21	J	6020A		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Lead	14.0	MG/KG	MDL	0.0141	0.440	J	6020A		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Copper	2.99	MG/KG	MDL	0.363	2.20	J	6010C		3050B
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Copper	36.7	MG/KG	MDL	0.401	2.43	J	6010C		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Percent Moisture	15.8	%	MDL	0.50	0.50	J	2540 G-1997		
SSP14-MA-SS-7	12/02/2014	7700514	Copper	21.3	MG/KG	MDL	0.365	2.21	J	6010C		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Lead	12.6	MG/KG	MDL	0.0142	0.442	J	6020A		3050B
SSP14-MA-SS-6	12/02/2014	7700513	Lead	11.6	MG/KG	MDL	0.0145	0.452	J	6020A		3050B
SSP14-MA-SS-6	12/02/2014	7700513	Copper	6.22	MG/KG	MDL	0.373	2.26	J	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Copper	14.1	MG/KG	MDL	0.378	2.29	J	6010C		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Lead	34.2	MG/KG	MDL	0.0371	1.15	J	6020A		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Copper	9.88	MG/KG	MDL	0.379	2.30	J	6010C		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Copper	30.8	MG/KG	MDL	0.381	2.31	J	6010C		3050B
SSP14-MA-SS-3	12/03/2014	7700510	Lead	15.0	MG/KG	MDL	0.0140	0.437	J	6020A		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Lead	16.4	MG/KG	MDL	0.0147	0.459	J	6020A		3050B
SSP14-MA-SS-3	12/03/2014	7700510	Copper	18.8	MG/KG	MDL	0.360	2.18	J	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Lead	16.7	MG/KG	MDL	0.0147	0.458	J	6020A		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Lead	19.1	MG/KG	MDL	0.0140	0.435	J	6020A		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Copper	8.26	MG/KG	MDL	0.359	2.17	J	6010C		3050B

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Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-3	12/10/2014	7711213	Lead	11.1	MG/KG	MDL	0.0144	0.449	J	6020A		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Lead	10.7	MG/KG	MDL	0.0142	0.443	J	6020A		3050B
SSP14-SWMU16-SS-4	12/10/2014	7711214	Lead	11.4	MG/KG	MDL	0.0141	0.439	J	6020A		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Lead	12.1	MG/KG	MDL	0.0146	0.456	J	6020A		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Zinc	103	MG/KG	MDL	0.323	4.96	J	6010C		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Zinc	50.1	MG/KG	MDL	0.306	4.71	J	6010C		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Lead	16.0	MG/KG	MDL	0.0146	0.454	J	6020A		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Zinc	32.5	MG/KG	MDL	0.296	4.55	J	6010C		3050B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Zinc	41.4	MG/KG	MDL	0.308	4.74	J	6010C		3050B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Lead	15.1	MG/KG	MDL	0.0146	0.454	J	6020A		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Lead	14.9	MG/KG	MDL	0.0170	0.531	J	6020A		3050B
SSP14-SWMU19-SS-3	12/03/2014	7700525	Antimony	1.02	MG/KG	MDL	0.0930	0.441	J	6020A		3050B
SSP14-SWMU19-SS-3	12/03/2014	7700525	Zinc	32.8	MG/KG	MDL	0.287	4.41	J	6010C		3050B
SSP14-SWMU19-SS-2	12/03/2014	7700524	Antimony	0.705	MG/KG	MDL	0.0948	0.449	J	6020A		3050B
SSP14-SWMU19-SS-2	12/03/2014	7700524	Zinc	25.2	MG/KG	MDL	0.292	4.49	J	6010C		3050B
SSP14-SWMU19-SS-1	12/03/2014	7700523	Zinc	31.2	MG/KG	MDL	0.297	4.57	J	6010C		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Zinc	130	MG/KG	MDL	0.600	9.23	J	6010C		3050B
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Zinc	16.5	MG/KG	MDL	0.285	4.38	J	6010C		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Zinc	18.1	MG/KG	MDL	0.286	4.40	J	6010C		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Lead	11.7	MG/KG	MDL	0.0149	0.464	J	6020A		3050B
SSP14-SWMU14-SS-6	12/12/2014	7711204	Lead	5.68	MG/KG	MDL	0.0154	0.481	J	6020A		3050B
SSP14-SWMU14-SS-7	12/11/2014	7711205	Lead	9.53	MG/KG	MDL	0.0148	0.462	J	6020A		3050B

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Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Zinc	157	MG/KG	MDL	0.632	9.72	J	6010C		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Lead	11.0	MG/KG	MDL	0.0155	0.482	J	6020A		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Lead	12.4	MG/KG	MDL	0.0152	0.472	J	6020A		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Lead	15.9	MG/KG	MDL	0.0152	0.475	J	6020A		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Lead	9.07	MG/KG	MDL	0.0146	0.455	J	6020A		3050B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Lead	17.9	MG/KG	MDL	0.0148	0.460	J	6020A		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Lead	7.57	MG/KG	MDL	0.0154	0.480	J	6020A		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Lead	8.82	MG/KG	MDL	0.0163	0.508	J	6020A		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Lead	9.94	MG/KG	MDL	0.0152	0.474	J	6020A		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Lead	5.72	MG/KG	MDL	0.0142	0.442	J	6020A		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Zinc	72.6	MG/KG	MDL	0.287	4.42	J	6010C		3050B
SSP14-MA-SS-6	12/02/2014	7700513	Zinc	48.7	MG/KG	MDL	0.294	4.52	J	6010C		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Lead	20.8	MG/KG	MDL	0.0156	0.487	J	6020A		3050B
SSP14-MA-SS-2-D	12/02/2014	7700509	Antimony	0.619	MG/KG	MDL	0.0939	0.445	J	6020A		3050B
SSP14-MA-SS-2-D	12/02/2014	7700509	Zinc	182	MG/KG	MDL	1.45	22.3	J	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Zinc	175	MG/KG	MDL	1.49	22.9	J	6010C		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Zinc	112	MG/KG	MDL	0.597	9.18	J	6010C		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Zinc	236	MG/KG	MDL	1.50	23.1	J	6010C		3050B
SSP14-MA-SS-3	12/03/2014	7700510	Zinc	101	MG/KG	MDL	0.284	4.37	J	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Acenaphthylene	1500	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-2	12/02/2014	7700505	Dibenz(A,H)Anthracene	3100	UG/KG	MDL	19	99	J	8270D		3546
SSP14-MA-SS-1	12/02/2014	7700504	Zinc	50.3	MG/KG	MDL	0.282	4.35	J	6010C		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU13-SS-4	12/11/2014	7711189	Antimony	0.110	MG/KG	MDL	0.0980	0.464	J	6020A		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Antimony	0.306	MG/KG	MDL	0.0958	0.454	J	6020A		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Antimony	0.100	MG/KG	MDL	0.0949	0.450	J	6020A		3050B
SSP14-SWMU16-SS-10	12/10/2014	7711220	Antimony	0.194	MG/KG	MDL	0.0960	0.455	J	6020A		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-4	12/10/2014	7711214	Arsenic	1.56	MG/KG	MDL	0.0937	0.877	J	6020A		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Arsenic	1.32	MG/KG	MDL	0.0969	0.907	J	6020A		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Arsenic	1.08	MG/KG	MDL	0.0974	0.912	J	6020A		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Thallium	0.231	MG/KG	MDL	0.0340	0.227	J	6020A		3050B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Arsenic	1.71	MG/KG	MDL	0.0969	0.907	J	6020A		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Arsenic	1.64	MG/KG	MDL	0.0946	0.886	J	6020A		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Thallium	0.274	MG/KG	MDL	0.0398	0.265	J	6020A		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Arsenic	2.05	MG/KG	MDL	0.113	1.06	J	6020A		3050B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Thallium	0.255	MG/KG	MDL	0.0340	0.227	J	6020A		3050B
SSP14-SWMU14-SS-7	12/11/2014	7711205	Thallium	0.326	MG/KG	MDL	0.0346	0.231	J	6020A		3050B
SSP14-SWMU14-SS-7	12/11/2014	7711205	Arsenic	1.84	MG/KG	MDL	0.0986	0.924	J	6020A		3050B
SSP14-SWMU14-SS-6	12/12/2014	7711204	Arsenic	1.11	MG/KG	MDL	0.103	0.962	J	6020A		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Arsenic	1.48	MG/KG	MDL	0.102	0.960	J	6020A		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Arsenic	2.27	MG/KG	MDL	0.103	0.964	J	6020A		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Thallium	0.341	MG/KG	MDL	0.0361	0.241	J	6020A		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Thallium	0.242	MG/KG	MDL	0.0348	0.232	J	6020A		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Arsenic	2.00	MG/KG	MDL	0.0990	0.927	J	6020A		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Arsenic	2.08	MG/KG	MDL	0.101	0.944	J	6020A		3050B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Arsenic	2.11	MG/KG	MDL	0.0982	0.920	J	6020A		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Arsenic	3.90	MG/KG	MDL	0.101	0.950	J	6020A		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Thallium	0.444	MG/KG	MDL	0.0341	0.227	J	6020A		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Arsenic	2.59	MG/KG	MDL	0.0970	0.909	J	6020A		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Thallium	0.311	MG/KG	MDL	0.0360	0.240	J	6020A		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU14-SS-3	12/12/2014	7711201	Thallium	0.301	MG/KG	MDL	0.0355	0.237	J	6020A		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Thallium	0.404	MG/KG	MDL	0.0381	0.254	J	6020A		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Thallium	0.278	MG/KG	MDL	0.0356	0.238	J	6020A		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Thallium	0.471	MG/KG	MDL	0.0331	0.221	J	6020A		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Arsenic	1.72	MG/KG	MDL	0.109	1.02	J	6020A		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Arsenic	1.57	MG/KG	MDL	0.0943	0.883	J	6020A		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Arsenic	1.61	MG/KG	MDL	0.101	0.947	J	6020A		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Arsenic	4.90	MG/KG	MDL	0.104	0.974	J	6020A		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Selenium	0.528	MG/KG	MDL	0.122	0.974	J	6020A		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Thallium	0.234	MG/KG	MDL	0.0365	0.244	J	6020A		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Antimony	0.191	MG/KG	MDL	0.103	0.487	J	6020A		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Selenium	0.256	MG/KG	MDL	0.118	0.947	J	6020A		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Selenium	0.366	MG/KG	MDL	0.110	0.883	J	6020A		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Selenium	0.376	MG/KG	MDL	0.127	1.02	J	6020A		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Antimony	0.100	MG/KG	MDL	0.0999	0.474	J	6020A		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Selenium	0.474	MG/KG	MDL	0.114	0.909	J	6020A		3050B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Thallium	0.104	MG/KG	MDL	0.0345	0.230	J	6020A		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Antimony	0.271	MG/KG	MDL	0.0996	0.472	J	6020A		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Selenium	0.533	MG/KG	MDL	0.119	0.950	J	6020A		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Antimony	0.173	MG/KG	MDL	0.100	0.475	J	6020A		3050B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Selenium	0.406	MG/KG	MDL	0.115	0.920	J	6020A		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Selenium	0.371	MG/KG	MDL	0.118	0.944	J	6020A		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Thallium	0.190	MG/KG	MDL	0.0354	0.236	J	6020A		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU14-SS-8	12/11/2014	7711206	Selenium	0.316	MG/KG	MDL	0.116	0.927	J	6020A		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Antimony	0.130	MG/KG	MDL	0.102	0.482	J	6020A		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Selenium	0.392	MG/KG	MDL	0.120	0.964	J	6020A		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Selenium	0.319	MG/KG	MDL	0.120	0.960	J	6020A		3050B
SSP14-SWMU14-SS-6	12/12/2014	7711204	Selenium	0.134	MG/KG	MDL	0.120	0.962	J	6020A		3050B
SSP14-SWMU14-SS-7	12/11/2014	7711205	Selenium	0.385	MG/KG	MDL	0.115	0.924	J	6020A		3050B
SSP14-SWMU14-SS-6	12/12/2014	7711204	Thallium	0.169	MG/KG	MDL	0.0361	0.241	J	6020A		3050B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Antimony	0.371	MG/KG	MDL	0.0957	0.454	J	6020A		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Selenium	0.350	MG/KG	MDL	0.133	1.06	J	6020A		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Antimony	0.225	MG/KG	MDL	0.112	0.531	J	6020A		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Selenium	0.321	MG/KG	MDL	0.111	0.886	J	6020A		3050B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Selenium	0.327	MG/KG	MDL	0.113	0.907	J	6020A		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Antimony	0.129	MG/KG	MDL	0.0957	0.454	J	6020A		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Selenium	0.313	MG/KG	MDL	0.114	0.912	J	6020A		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Antimony	0.132	MG/KG	MDL	0.0962	0.456	J	6020A		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Thallium	0.155	MG/KG	MDL	0.0342	0.228	J	6020A		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Selenium	0.346	MG/KG	MDL	0.113	0.907	J	6020A		3050B
SSP14-SWMU16-SS-4	12/10/2014	7711214	Selenium	0.180	MG/KG	MDL	0.110	0.877	J	6020A		3050B
SSP14-SWMU16-SS-4	12/10/2014	7711214	Thallium	0.213	MG/KG	MDL	0.0329	0.219	J	6020A		3050B
SSP14-SWMU16-SS-4	12/10/2014	7711214	Antimony	0.294	MG/KG	MDL	0.0926	0.439	J	6020A		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Antimony	0.310	MG/KG	MDL	0.0935	0.443	J	6020A		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Thallium	0.164	MG/KG	MDL	0.0332	0.222	J	6020A		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Thallium	0.137	MG/KG	MDL	0.0337	0.225	J	6020A		3050B

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SSP14-SWMU16-SS-3	12/10/2014	7711213	Arsenic	0.824	MG/KG	MDL	0.0960	0.899	J	6020A		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Selenium	0.178	MG/KG	MDL	0.112	0.899	J	6020A		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-1	12/02/2014	7700504	Beryllium	0.902	MG/KG	MDL	0.0728	1.09	J	6010C		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Cadmium	0.0891	MG/KG	MDL	0.0359	1.09	J	6010C		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Carbon Disulfide	4	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-MA-SS-1	12/02/2014	7700504	Naphthalene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-MA-SS-1	12/02/2014	7700504	2-Methylnaphthalene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-MA-SS-1	12/02/2014	7700504	Mercury	0.0146	MG/KG	MDL	0.0112	0.224	J	7471B		7471B
SSP14-MA-SS-1	12/02/2014	7700504	Silver	0.536	MG/KG	MDL	0.206	1.09	J	6010C		3050B
SSP14-MA-SS-1	12/02/2014	7700504	Antimony	0.393	MG/KG	MDL	0.0917	0.435	J	6020A		3050B
EB-SS-3-120414	12/04/2014	7700528	Lead	0.00039	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
EB-SS-3-120414	12/04/2014	7700528	Nickel	0.0062	MG/L	MDL	0.0016	0.0200	J	6010C		3010A
EB-SS-3-120414	12/04/2014	7700528	Barium	0.0024	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-SS-3-120414	12/04/2014	7700528	Zinc	0.0077	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-MA-SS-2	12/02/2014	7700505	Mercury	0.0607	MG/KG	MDL	0.0116	0.233	J	7471B		7471B
SSP14-MA-SS-2	12/02/2014	7700505	Bis(2-Ethylhexyl)Phthalate	500	UG/KG	MDL	390	990	J	8270D		3546
EB-SS-2-121114	12/11/2014	7711223	Pyrene	0.2	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-1-120314	12/03/2014	7700536	Lead	0.00074	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
EB-SS-1-120314	12/03/2014	7700536	Barium	0.0047	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-SS-1-120314	12/03/2014	7700536	Chromium	0.0038	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
EB-SS-1-120314	12/03/2014	7700536	Copper	0.0050	MG/L	MDL	0.0028	0.0200	J	6010C		3010A
EB-SS-1-120314	12/03/2014	7700536	Zinc	0.0168	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-SS-1-120314	12/03/2014	7700536	Benzo(G,H,I)Perylene	0.4	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-1-120314	12/03/2014	7700536	Indeno (1,2,3-CD) Pyrene	0.3	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-1-120314	12/03/2014	7700536	Benzo(K)Fluoranthene	0.3	UG/L	MDL	0.1	0.5	J	8270D		3510C

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EB-SS-1-120314	12/03/2014	7700536	Anthracene	0.2	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-2-121114	12/11/2014	7711223	Antimony	0.00039	MG/L	MDL	0.00033	0.0020	J	6020A		3010A MOD.
EB-SS-2-121114	12/11/2014	7711223	Barium	0.0031	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-SS-2-121114	12/11/2014	7711223	Copper	0.0079	MG/L	MDL	0.0028	0.0200	J	6010C		3010A
EB-SS-2-121114	12/11/2014	7711223	Zinc	0.0119	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-SS-2-121114	12/11/2014	7711223	Phenanthrene	0.1	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-2-121114	12/11/2014	7711223	Benzo(B)Fluoranthene	0.1	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-2-121114	12/11/2014	7711223	Fluoranthene	0.2	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-2-121114	12/11/2014	7711223	Chrysene	0.1	UG/L	MDL	0.1	0.5	J	8270D		3510C
EB-SS-4-120414	12/04/2014	7700532	Lead	0.00015	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
EB-SS-4-120414	12/04/2014	7700532	Nickel	0.0082	MG/L	MDL	0.0016	0.0200	J	6010C		3010A
EB-SS-4-120414	12/04/2014	7700532	Barium	0.0024	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-SS-4-120414	12/04/2014	7700532	Copper	0.0030	MG/L	MDL	0.0028	0.0200	J	6010C		3010A
EB-SS-4-120414	12/04/2014	7700532	Zinc	0.0063	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-MA-SS-1	12/02/2014	7700504	PCB 1260	8.6	UG/KG	MDL	5.5	19	J	8082		3546
SSP14-MA-SS-1	12/02/2014	7700504	PCB 1254	17	UG/KG	MDL	3.7	19	J	8082		3546
SSP14-MA-SS-1	12/02/2014	7700504	Dibenzofuran	28	UG/KG	MDL	19	38	J	8270D		3546
SSP14-MA-SS-1	12/02/2014	7700504	Acenaphthylene	15	UG/KG	MDL	4	19	J	8270D		3546
SSP14-MA-SS-1	12/02/2014	7700504	Acetone	10	UG/KG	MDL	8	23	J	8260B		5035A
SSP14-MA-SS-3	12/03/2014	7700510	Carbon Disulfide	1	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-MA-SS-3	12/03/2014	7700510	Naphthalene	7	UG/KG	MDL	4	19	J	8270D		3546
SSP14-MA-SS-3	12/03/2014	7700510	2-Methylnaphthalene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-MA-SS-3	12/03/2014	7700510	Beryllium	1.00	MG/KG	MDL	0.0732	1.09	J	6010C		3050B

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SSP14-MA-SS-3	12/03/2014	7700510	Cadmium	0.252	MG/KG	MDL	0.0360	1.09	J	6010C		3050B
SSP14-MA-SS-4	12/02/2014	7700511	Mercury	0.0600	MG/KG	MDL	0.0110	0.219	J	7471B		7471B
SSP14-MA-SS-3	12/03/2014	7700510	Mercury	0.0239	MG/KG	MDL	0.0108	0.216	J	7471B		7471B
SSP14-MA-SS-4	12/02/2014	7700511	Cadmium	0.483	MG/KG	MDL	0.0379	1.15	J	6010C		3050B
SSP14-MA-SS-5	12/03/2014	7700512	Carbon Disulfide	4	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-MA-SS-5	12/03/2014	7700512	Trichlorofluoromethane	3	UG/KG	MDL	2	6	J	8260B		5035A
SSP14-MA-SS-5	12/03/2014	7700512	Butyl Benzyl Phthalate	160	UG/KG	MDL	76	190	J	8270D		3546
SSP14-MA-SS-5	12/03/2014	7700512	2-Methylphenol (O-Cresol)	25	UG/KG	MDL	19	38	J	8270D		3546
SSP14-MA-SS-5	12/03/2014	7700512	Acetophenone	35	UG/KG	MDL	19	38	J	8270D		3546
SSP14-MA-SS-6	12/02/2014	7700513	Anthracene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-MA-SS-6	12/02/2014	7700513	Benzo(G,H,I)Perylene	19	UG/KG	MDL	4	20	J	8270D		3546
SSP14-MA-SS-6	12/02/2014	7700513	Benzo(K)Fluoranthene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-MA-SS-6	12/02/2014	7700513	Dibenz(A,H)Anthracene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-MA-SS-4	12/02/2014	7700511	Trichlorofluoromethane	2	UG/KG	MDL	2	5	J	8260B		5035A
SSP14-MA-SS-5	12/03/2014	7700512	Benzyl Alcohol	420	UG/KG	MDL	190	570	J	8270D		3546
SSP14-MA-SS-5	12/03/2014	7700512	Mercury	0.0541	MG/KG	MDL	0.0114	0.228	J	7471B		7471B
SSP14-MA-SS-5	12/03/2014	7700512	Cadmium	0.747	MG/KG	MDL	0.0381	1.15	J	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Beryllium	1.14	MG/KG	MDL	0.0767	1.15	J	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Cadmium	0.395	MG/KG	MDL	0.0378	1.15	J	6010C		3050B
SSP14-MA-SS-2	12/02/2014	7700505	Carbon Disulfide	1	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-MA-SS-3	12/03/2014	7700510	PCB 1254	12	UG/KG	MDL	3.8	19	J	8082		3546
SSP14-MA-SS-3	12/03/2014	7700510	Acenaphthylene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-MA-SS-2-D	12/02/2014	7700509	Selenium	0.501	MG/KG	MDL	0.111	0.890	J	6020A		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-2-D	12/02/2014	7700509	Cadmium	0.302	MG/KG	MDL	0.0367	1.11	J	6010C		3050B
SSP14-MA-SS-2-D	12/02/2014	7700509	Mercury	0.0491	MG/KG	MDL	0.0113	0.227	J	7471B		7471B
SSP14-MA-SS-2-D	12/02/2014	7700509	2,4-Dimethylphenol	150	UG/KG	MDL	97	190	J	8270D		3546
SSP14-SWMU13-SS-10	12/11/2014	7711198	Beryllium	0.745	MG/KG	MDL	0.0816	1.22	J	6010C		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Cadmium	0.156	MG/KG	MDL	0.0402	1.22	J	6010C		3050B
SSP14-SWMU13-SS-10	12/11/2014	7711198	Mercury	0.152	MG/KG	MDL	0.0119	0.237	J	7471B		7471B
SSP14-SWMU13-SS-1	12/11/2014	7711185	Mercury	0.0277	MG/KG	MDL	0.0113	0.226	J	7471B		7471B
SSP14-SWMU13-SS-1	12/11/2014	7711185	Thallium	0.156	MG/KG	MDL	0.0340	0.227	J	6020A		3050B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Beryllium	1.12	MG/KG	MDL	0.0794	1.19	J	6010C		3050B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Cadmium	0.154	MG/KG	MDL	0.0391	1.19	J	6010C		3050B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Methylene Chloride	5	UG/KG	MDL	2	6	J	8260B		5035A
SSP14-SWMU13-SS-2	12/11/2014	7711186	Selenium	0.461	MG/KG	MDL	0.119	0.949	J	6020A		3050B
SSP14-SWMU13-SS-3	12/11/2014	7711187	Pyrene	14	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Benzo(G,H,I)Perylene	14	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Indeno (1,2,3-CD) Pyrene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Fluoranthene	14	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Benzo(K)Fluoranthene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Acenaphthylene	4	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Chrysene	16	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Dibenz(A,H)Anthracene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Benzo(A)Anthracene	16	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3	12/11/2014	7711187	Beryllium	0.547	MG/KG	MDL	0.0774	1.15	J	6010C		3050B
SSP14-SWMU13-SS-3	12/11/2014	7711187	Cadmium	0.0589	MG/KG	MDL	0.0381	1.15	J	6010C		3050B

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SSP14-SWMU13-SS-3	12/11/2014	7711187	Carbon Disulfide	1	UG/KG	MDL	0.9	5	J	8260B		5035A
SSP14-SWMU13-SS-3	12/11/2014	7711187	Selenium	0.439	MG/KG	MDL	0.115	0.924	J	6020A		3050B
SSP14-SWMU13-SS-3	12/11/2014	7711187	Methyl Ethyl Ketone	4	UG/KG	MDL	4	9	J	8260B		5035A
SSP14-SWMU13-SS-3	12/11/2014	7711187	Phenanthrene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Pyrene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Benzo(G,H,I)Perylene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Indeno (1,2,3-CD) Pyrene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Fluoranthene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Benzo(K)Fluoranthene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Chrysene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Benzo[A]Pyrene	18	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Dibenz(A,H)Anthracene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Benzo(A)Anthracene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-MA-SS-6	12/02/2014	7700513	1,1-Dichloroethene	1	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-MA-SS-6	12/02/2014	7700513	Phenanthrene	18	UG/KG	MDL	4	20	J	8270D		3546
SSP14-MA-SS-7	12/02/2014	7700514	3-Methylcholanthrene	20	UG/KG	MDL	19	39	J	8270D		3546
SSP14-MA-SS-6	12/02/2014	7700513	Mercury	0.0137	MG/KG	MDL	0.0109	0.218	J	7471B		7471B
SSP14-MA-SS-7	12/02/2014	7700514	Mercury	0.0350	MG/KG	MDL	0.0115	0.231	J	7471B		7471B
SSP14-MA-SS-6	12/02/2014	7700513	Antimony	0.148	MG/KG	MDL	0.0953	0.452	J	6020A		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Cadmium	0.0994	MG/KG	MDL	0.0365	1.10	J	6010C		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Antimony	0.171	MG/KG	MDL	0.0932	0.442	J	6020A		3050B
SSP14-MA-SS-7	12/02/2014	7700514	Carbon Disulfide	5	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-MA-SS-7	12/02/2014	7700514	Biphenyl	35	UG/KG	MDL	19	39	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-MA-SS-7	12/02/2014	7700514	Acetophenone	26	UG/KG	MDL	19	39	J	8270D		3546
SSP14-SWMU13-SS-1	12/11/2014	7711185	Phenol	24	UG/KG	MDL	19	38	J	8270D		3546
SSP14-SWMU13-SS-1	12/11/2014	7711185	Anthracene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-1	12/11/2014	7711185	Acenaphthylene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-1	12/11/2014	7711185	Dibenz(A,H)Anthracene	15	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-1	12/11/2014	7711185	Beryllium	0.921	MG/KG	MDL	0.0760	1.13	J	6010C		3050B
SSP14-SWMU13-SS-1	12/11/2014	7711185	Cadmium	0.0919	MG/KG	MDL	0.0374	1.13	J	6010C		3050B
SSP14-SWMU13-SS-1	12/11/2014	7711185	Selenium	0.275	MG/KG	MDL	0.113	0.908	J	6020A		3050B
SSP14-SWMU13-SS-1	12/11/2014	7711185	Acenaphthene	7	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-1	12/11/2014	7711185	Fluorene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-1	12/11/2014	7711185	Naphthalene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Mercury	0.0484	MG/KG	MDL	0.0111	0.223	J	7471B		7471B
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Thallium	0.139	MG/KG	MDL	0.0335	0.223	J	6020A		3050B
SSP14-SWMU13-SS-3	12/11/2014	7711187	Mercury	0.0586	MG/KG	MDL	0.0111	0.223	J	7471B		7471B
SSP14-SWMU13-SS-3	12/11/2014	7711187	Thallium	0.155	MG/KG	MDL	0.0346	0.231	J	6020A		3050B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Mercury	0.0458	MG/KG	MDL	0.0118	0.237	J	7471B		7471B
SSP14-SWMU13-SS-2	12/11/2014	7711186	Thallium	0.190	MG/KG	MDL	0.0356	0.237	J	6020A		3050B
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Beryllium	0.510	MG/KG	MDL	0.0748	1.12	J	6010C		3050B
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Cadmium	0.0714	MG/KG	MDL	0.0368	1.12	J	6010C		3050B
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Carbon Disulfide	0.9	UG/KG	MDL	0.9	5	J	8260B		5035A
SSP14-SWMU13-SS-3-D	12/11/2014	7711188	Selenium	0.367	MG/KG	MDL	0.112	0.893	J	6020A		3050B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Pyrene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Benzo(G,H,I)Perylene	15	UG/KG	MDL	4	20	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU13-SS-4	12/11/2014	7711189	Indeno (1,2,3-CD) Pyrene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Fluoranthene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Benzo(K)Fluoranthene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Chrysene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Benzo[A]Pyrene	19	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Benzo(A)Anthracene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-5	12/11/2014	7711190	Beryllium	0.708	MG/KG	MDL	0.0769	1.15	J	6010C		3050B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Cadmium	0.0998	MG/KG	MDL	0.0379	1.15	J	6010C		3050B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Selenium	0.374	MG/KG	MDL	0.115	0.918	J	6020A		3050B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Phenanthrene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-6	12/11/2014	7711191	Tetrachloroethene	4	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU13-SS-6	12/11/2014	7711191	cis-1,2 Dichloroethene	2	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU13-SS-6	12/11/2014	7711191	trans-1,2-Dichloroethene	2	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU13-SS-6	12/11/2014	7711191	Acenaphthylene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-4	12/11/2014	7711189	Beryllium	0.656	MG/KG	MDL	0.0778	1.16	J	6010C		3050B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Cadmium	0.0627	MG/KG	MDL	0.0383	1.16	J	6010C		3050B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Carbon Disulfide	1	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU13-SS-4	12/11/2014	7711189	Selenium	0.281	MG/KG	MDL	0.116	0.929	J	6020A		3050B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Phenanthrene	4	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-5	12/11/2014	7711190	Pyrene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-5	12/11/2014	7711190	Fluoranthene	18	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-5	12/11/2014	7711190	Benzo(K)Fluoranthene	12	UG/KG	MDL	4	20	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU13-SS-5	12/11/2014	7711190	Chrysene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-5	12/11/2014	7711190	Dibenz(A,H)Anthracene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-5	12/11/2014	7711190	Benzo(A)Anthracene	14	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-6	12/11/2014	7711191	Mercury	0.0307	MG/KG	MDL	0.0113	0.225	J	7471B		7471B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Silver	0.506	MG/KG	MDL	0.216	1.14	J	6010C		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Thallium	0.151	MG/KG	MDL	0.0341	0.227	J	6020A		3050B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Mercury	0.0556	MG/KG	MDL	0.0117	0.235	J	7471B		7471B
SSP14-SWMU13-SS-5	12/11/2014	7711190	Thallium	0.194	MG/KG	MDL	0.0344	0.230	J	6020A		3050B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Mercury	0.0632	MG/KG	MDL	0.0112	0.224	J	7471B		7471B
SSP14-SWMU13-SS-4	12/11/2014	7711189	Thallium	0.154	MG/KG	MDL	0.0348	0.232	J	6020A		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Beryllium	0.765	MG/KG	MDL	0.0761	1.14	J	6010C		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Cadmium	0.0920	MG/KG	MDL	0.0375	1.14	J	6010C		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Carbon Disulfide	2	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU13-SS-6	12/11/2014	7711191	Selenium	0.267	MG/KG	MDL	0.114	0.908	J	6020A		3050B
SSP14-SWMU13-SS-6	12/11/2014	7711191	Naphthalene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-6	12/11/2014	7711191	2-Methylnaphthalene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU13-SS-7	12/11/2014	7711192	Beryllium	0.962	MG/KG	MDL	0.0792	1.18	J	6010C		3050B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Cadmium	0.150	MG/KG	MDL	0.0390	1.18	J	6010C		3050B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Selenium	0.399	MG/KG	MDL	0.118	0.945	J	6020A		3050B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Trichloroethene	3	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU13-SS-7	12/11/2014	7711192	Acenaphthene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-7	12/11/2014	7711192	Fluorene	18	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Benzo(G,H,I)Perylene	14	UG/KG	MDL	4	20	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU13-SS-8	12/11/2014	7711193	Indeno (1,2,3-CD) Pyrene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Benzo(K)Fluoranthene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Benzo[A]Pyrene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Benzo(A)Anthracene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Beryllium	0.881	MG/KG	MDL	0.0793	1.18	J	6010C		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Cadmium	0.0817	MG/KG	MDL	0.0391	1.18	J	6010C		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Chromium	3.07	MG/KG	MDL	0.130	3.55	J	6010C		3050B
SSP14-SWMU14-SS-3	12/12/2014	7711201	Phenanthrene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Diphenyl Ether	33	UG/KG	MDL	22	43	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Pyrene	13	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Benzo(G,H,I)Perylene	10	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Indeno (1,2,3-CD) Pyrene	9	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Benzo(B)Fluoranthene	14	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Fluoranthene	15	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Benzo(K)Fluoranthene	8	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Chrysene	8	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Benzo[A]Pyrene	12	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Benzo(A)Anthracene	9	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Acetone	17	UG/KG	MDL	8	23	J	8260B		5035A
SSP14-SWMU14-SS-2	12/12/2014	7711200	Cadmium	0.0872	MG/KG	MDL	0.0364	1.10	J	6010C		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Chromium	2.56	MG/KG	MDL	0.121	3.31	J	6010C		3050B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Copper	1.72	MG/KG	MDL	0.364	2.21	J	6010C		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU14-SS-2	12/12/2014	7711200	Carbon Disulfide	2	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU14-SS-3	12/12/2014	7711201	Pyrene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Benzo(G,H,I)Perylene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Indeno (1,2,3-CD) Pyrene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Benzo(B)Fluoranthene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Fluoranthene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Benzo(K)Fluoranthene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Chrysene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Benzo[A]Pyrene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-3	12/12/2014	7711201	Benzo(A)Anthracene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Beryllium	0.926	MG/KG	MDL	0.0851	1.27	J	6010C		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Cadmium	0.0966	MG/KG	MDL	0.0419	1.27	J	6010C		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Chromium	3.28	MG/KG	MDL	0.140	3.81	J	6010C		3050B
SSP14-SWMU14-SS-4	12/12/2014	7711202	Acenaphthene	8	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Phenanthrene	12	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-4	12/12/2014	7711202	Fluorene	7	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Pyrene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Benzo(G,H,I)Perylene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Indeno (1,2,3-CD) Pyrene	7	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Benzo(B)Fluoranthene	10	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Fluoranthene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Benzo(K)Fluoranthene	6	UG/KG	MDL	4	21	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU14-SS-5	12/12/2014	7711203	Chrysene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Benzo[A]Pyrene	9	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Benzo(A)Anthracene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-5	12/12/2014	7711203	Acetone	12	UG/KG	MDL	7	21	J	8260B		5035A
SSP14-SWMU14-SS-3	12/12/2014	7711201	Mercury	0.0124	MG/KG	MDL	0.0116	0.232	J	7471B		7471B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Mercury	0.0119	MG/KG	MDL	0.0119	0.237	J	7471B		7471B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Cadmium	0.108	MG/KG	MDL	0.0375	1.14	J	6010C		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Chromium	2.45	MG/KG	MDL	0.125	3.41	J	6010C		3050B
SSP14-SWMU14-SS-1	12/12/2014	7711199	Phenanthrene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Pyrene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Benzo(G,H,I)Perylene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Indeno (1,2,3-CD) Pyrene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Benzo(B)Fluoranthene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Benzo(K)Fluoranthene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Chrysene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Benzo[A]Pyrene	14	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-10	12/12/2014	7711208	Benzo(A)Anthracene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-9	12/11/2014	7711197	Mercury	0.0404	MG/KG	MDL	0.0113	0.227	J	7471B		7471B
SSP14-SWMU14-SS-2	12/12/2014	7711200	Benzo(G,H,I)Perylene	7	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-2	12/12/2014	7711200	Indeno (1,2,3-CD) Pyrene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-2	12/12/2014	7711200	Benzo(B)Fluoranthene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-2	12/12/2014	7711200	Fluoranthene	4	UG/KG	MDL	4	19	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU14-SS-2	12/12/2014	7711200	Benzo(K)Fluoranthene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-2	12/12/2014	7711200	Chrysene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-2	12/12/2014	7711200	Benzo[A]Pyrene	6	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-2	12/12/2014	7711200	Benzo(A)Anthracene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-2	12/12/2014	7711200	Acetone	15	UG/KG	MDL	8	23	J	8260B		5035A
SSP14-SWMU14-SS-10	12/12/2014	7711208	Beryllium	0.757	MG/KG	MDL	0.0796	1.19	J	6010C		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Cadmium	0.126	MG/KG	MDL	0.0392	1.19	J	6010C		3050B
SSP14-SWMU14-SS-10	12/12/2014	7711208	Mercury	0.0474	MG/KG	MDL	0.0117	0.235	J	7471B		7471B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Beryllium	0.676	MG/KG	MDL	0.0770	1.15	J	6010C		3050B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Cadmium	0.118	MG/KG	MDL	0.0379	1.15	J	6010C		3050B
SSP14-SWMU13-SS-9	12/11/2014	7711197	Phenanthrene	16	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Pyrene	11	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Benzo(G,H,I)Perylene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Indeno (1,2,3-CD) Pyrene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Benzo(B)Fluoranthene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Fluoranthene	11	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Benzo(K)Fluoranthene	7	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Chrysene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Benzo[A]Pyrene	10	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Benzo(A)Anthracene	10	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-1	12/12/2014	7711199	Acetone	16	UG/KG	MDL	8	22	J	8260B		5035A
SSP14-SWMU13-SS-8	12/11/2014	7711193	Beryllium	0.827	MG/KG	MDL	0.0791	1.18	J	6010C		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU13-SS-8	12/11/2014	7711193	Cadmium	0.0885	MG/KG	MDL	0.0389	1.18	J	6010C		3050B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Trichloroethene	1	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU13-SS-8	12/11/2014	7711193	Phenanthrene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Biphenyl	38	UG/KG	MDL	20	39	J	8270D		3546
SSP14-SWMU13-SS-9	12/11/2014	7711197	Benzo(G,H,I)Perylene	19	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-9	12/11/2014	7711197	Indeno (1,2,3-CD) Pyrene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-9	12/11/2014	7711197	Benzo(K)Fluoranthene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-9	12/11/2014	7711197	Dibenz(A,H)Anthracene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU13-SS-8	12/11/2014	7711193	Mercury	0.0335	MG/KG	MDL	0.0112	0.224	J	7471B		7471B
SSP14-SWMU13-SS-8	12/11/2014	7711193	Silver	0.338	MG/KG	MDL	0.224	1.18	J	6010C		3050B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Mercury	0.0471	MG/KG	MDL	0.0112	0.224	J	7471B		7471B
SSP14-SWMU13-SS-7	12/11/2014	7711192	Thallium	0.233	MG/KG	MDL	0.0354	0.236	J	6020A		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Beryllium	0.840	MG/KG	MDL	0.0776	1.16	J	6010C		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Cadmium	0.0915	MG/KG	MDL	0.0382	1.16	J	6010C		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Phenanthrene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Pyrene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Benzo(G,H,I)Perylene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Indeno (1,2,3-CD) Pyrene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Benzo(B)Fluoranthene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Fluoranthene	7	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Benzo(K)Fluoranthene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Chrysene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Benzo[A]Pyrene	7	UG/KG	MDL	4	21	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU14-SS-9	12/12/2014	7711207	Benzo(A)Anthracene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Mercury	0.0163	MG/KG	MDL	0.0119	0.237	J	7471B		7471B
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Trichloroethene	1	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Benzo(G,H,I)Perylene	14	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Indeno (1,2,3-CD) Pyrene	13	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Benzo(K)Fluoranthene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Chrysene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Benzo[A]Pyrene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU14-SS-9	12/12/2014	7711207	Beryllium	1.09	MG/KG	MDL	0.0807	1.20	J	6010C		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Cadmium	0.0940	MG/KG	MDL	0.0398	1.20	J	6010C		3050B
SSP14-SWMU14-SS-9	12/12/2014	7711207	Phenanthrene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-1	12/04/2014	7700520	4-Methylphenol (P-Cresol)	23	UG/KG	MDL	20	41	J	8270D		3546
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Benzene	1	UG/KG	MDL	0.5	5	J	8260B		5035A
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Beryllium	1.08	MG/KG	MDL	0.0814	1.21	J	6010C		3050B
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Cadmium	0.290	MG/KG	MDL	0.0401	1.21	J	6010C		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Beryllium	0.910	MG/KG	MDL	0.0804	1.20	J	6010C		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Cadmium	0.0768	MG/KG	MDL	0.0396	1.20	J	6010C		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Chromium	2.73	MG/KG	MDL	0.132	3.60	J	6010C		3050B
SSP14-SWMU14-SS-5	12/12/2014	7711203	Phenanthrene	7	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU14-SS-6	12/12/2014	7711204	Benzo(G,H,I)Perylene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-6	12/12/2014	7711204	Indeno (1,2,3-CD) Pyrene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-6	12/12/2014	7711204	Benzo(B)Fluoranthene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-6	12/12/2014	7711204	Benzo[A]Pyrene	5	UG/KG	MDL	4	20	J	8270D		3546

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SSP14-SWMU14-SS-6	12/12/2014	7711204	Acetone	10	UG/KG	MDL	10	28	J	8260B		5035A
SSP14-SWMU14-SS-6	12/12/2014	7711204	Beryllium	0.583	MG/KG	MDL	0.0806	1.20	J	6010C		3050B
SSP14-SWMU14-SS-6	12/12/2014	7711204	Cadmium	0.0638	MG/KG	MDL	0.0397	1.20	J	6010C		3050B
SSP14-SWMU14-SS-7	12/11/2014	7711205	Benzo(G,H,I)Perylene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-7	12/11/2014	7711205	Indeno (1,2,3-CD) Pyrene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-7	12/11/2014	7711205	Benzo(B)Fluoranthene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-7	12/11/2014	7711205	Benzo[A]Pyrene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-7	12/11/2014	7711205	Cadmium	0.133	MG/KG	MDL	0.0381	1.15	J	6010C		3050B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Pyrene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-8	12/11/2014	7711206	Benzo(G,H,I)Perylene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-8	12/11/2014	7711206	Indeno (1,2,3-CD) Pyrene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-8	12/11/2014	7711206	Benzo(B)Fluoranthene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-8	12/11/2014	7711206	Fluoranthene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-8	12/11/2014	7711206	Benzo(K)Fluoranthene	4	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-8	12/11/2014	7711206	Chrysene	4	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-8	12/11/2014	7711206	Benzo[A]Pyrene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU14-SS-7	12/11/2014	7711205	Mercury	0.0289	MG/KG	MDL	0.0113	0.227	J	7471B		7471B
SSP14-SWMU14-SS-6	12/12/2014	7711204	Mercury	0.0180	MG/KG	MDL	0.0120	0.240	J	7471B		7471B
SSP14-SWMU14-SS-8	12/11/2014	7711206	Mercury	0.0258	MG/KG	MDL	0.0117	0.234	J	7471B		7471B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Phenanthrene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Pyrene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Benzo(G,H,I)Perylene	13	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Indeno (1,2,3-CD) Pyrene	11	UG/KG	MDL	4	19	J	8270D		3546

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SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Fluoranthene	10	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Benzo(K)Fluoranthene	7	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Chrysene	11	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Benzo[A]Pyrene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Benzo(A)Anthracene	13	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Mercury	0.0223	MG/KG	MDL	0.0114	0.228	J	7471B		7471B
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Nickel	2.00	MG/KG	MDL	0.164	2.19	J	6010C		3050B
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Thallium	0.198	MG/KG	MDL	0.0328	0.219	J	6020A		3050B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Mercury	0.0276	MG/KG	MDL	0.0108	0.215	J	7471B		7471B
SSP14-SWMU15-SBS-1	12/04/2014	7700520	Mercury	0.0490	MG/KG	MDL	0.0118	0.235	J	7471B		7471B
SSP14-SWMU15-SBS-2	12/05/2014	7700521	Beryllium	1.00	MG/KG	MDL	0.0737	1.10	J	6010C		3050B
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Selenium	0.219	MG/KG	MDL	0.109	0.876	J	6020A		3050B
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Beryllium	1.00	MG/KG	MDL	0.0733	1.09	J	6010C		3050B
SSP14-SWMU15-SBS-2-D	12/05/2014	7700522	Chromium	2.80	MG/KG	MDL	0.120	3.28	J	6010C		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Trichloroethene	2	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU15-SS-1	12/04/2014	7700515	Biphenyl	20	UG/KG	MDL	19	38	J	8270D		3546
SSP14-SWMU15-SS-1	12/04/2014	7700515	Mercury	0.0319	MG/KG	MDL	0.0110	0.220	J	7471B		7471B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Beryllium	1.11	MG/KG	MDL	0.0834	1.25	J	6010C		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Cadmium	0.0909	MG/KG	MDL	0.0411	1.25	J	6010C		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Selenium	0.252	MG/KG	MDL	0.125	0.996	J	6020A		3050B
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Naphthalene	18	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Beryllium	1.06	MG/KG	MDL	0.0829	1.24	J	6010C		3050B

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SSP14-SWMU15-SBS-5	12/09/2014	7709599	Cadmium	0.0780	MG/KG	MDL	0.0408	1.24	J	6010C		3050B
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Selenium	0.236	MG/KG	MDL	0.124	0.990	J	6020A		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Diphenyl Ether	22	UG/KG	MDL	19	38	J	8270D		3546
SSP14-SWMU15-SS-1	12/04/2014	7700515	Acenaphthylene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Acetone	18	UG/KG	MDL	8	22	J	8260B		5035A
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Dibenzofuran	33	UG/KG	MDL	21	42	J	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Benzo(G,H,I)Perylene	13	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Indeno (1,2,3-CD) Pyrene	11	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Benzo(K)Fluoranthene	15	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Benzo[A]Pyrene	18	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-4	12/09/2014	7709595	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Pyrene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Benzo(G,H,I)Perylene	4	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Benzo(B)Fluoranthene	7	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Benzo(K)Fluoranthene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Chrysene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Benzo[A]Pyrene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SBS-5	12/09/2014	7709599	Benzo(A)Anthracene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Biphenyl	220	UG/KG	MDL	190	390	J	8270D		3546
SSP14-SWMU19-SS-2	12/03/2014	7700524	Anthracene	16	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU19-SS-2	12/03/2014	7700524	Acenaphthylene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU19-SS-2	12/03/2014	7700524	Dibenz(A,H)Anthracene	15	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU19-SS-2	12/03/2014	7700524	Mercury	0.0254	MG/KG	MDL	0.0115	0.230	J	7471B		7471B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU19-SS-2	12/03/2014	7700524	Silver	0.858	MG/KG	MDL	0.213	1.12	J	6010C		3050B
SSP14-SWMU19-SS-2	12/03/2014	7700524	Thallium	0.204	MG/KG	MDL	0.0337	0.225	J	6020A		3050B
SSP14-SWMU19-SS-2	12/03/2014	7700524	Selenium	0.197	MG/KG	MDL	0.112	0.899	J	6020A		3050B
SSP14-SWMU19-SS-2	12/03/2014	7700524	Acenaphthene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU19-SS-2	12/03/2014	7700524	Fluorene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU19-SS-2	12/03/2014	7700524	Biphenyl	38	UG/KG	MDL	19	39	J	8270D		3546
SSP14-SWMU19-SS-3	12/03/2014	7700525	Mercury	0.0313	MG/KG	MDL	0.0108	0.215	J	7471B		7471B
SSP14-SWMU19-SS-3	12/03/2014	7700525	Silver	0.520	MG/KG	MDL	0.209	1.10	J	6010C		3050B
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Mercury	0.0205	MG/KG	MDL	0.0113	0.227	J	7471B		7471B
SSP14-SWMU19-SS-2	12/03/2014	7700524	Beryllium	0.842	MG/KG	MDL	0.0753	1.12	J	6010C		3050B
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Beryllium	1.00	MG/KG	MDL	0.0762	1.14	J	6010C		3050B
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Cadmium	0.123	MG/KG	MDL	0.0375	1.14	J	6010C		3050B
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Selenium	0.251	MG/KG	MDL	0.114	0.909	J	6020A		3050B
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Acenaphthene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Phenanthrene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Fluorene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU19-SS-3	12/03/2014	7700525	Selenium	0.288	MG/KG	MDL	0.110	0.882	J	6020A		3050B
SSP14-SWMU19-SS-3	12/03/2014	7700525	Acenaphthene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU19-SS-3	12/03/2014	7700525	Fluorene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU19-SS-3	12/03/2014	7700525	Naphthalene	16	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU19-SS-3	12/03/2014	7700525	1,2,4,5-Tetrachlorobenzene	20	UG/KG	MDL	19	38	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Pyrene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Benzo(G,H,I)Perylene	7	UG/KG	MDL	4	20	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Indeno (1,2,3-CD) Pyrene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Benzo(B)Fluoranthene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Fluoranthene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Benzo(K)Fluoranthene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Chrysene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Benzo[A]Pyrene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU2C-SBS-1	12/10/2014	7709600	Benzo(A)Anthracene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Toluene	2	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU19-SS-1	12/03/2014	7700523	Pyrene	100	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Benzo(G,H,I)Perylene	120	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Indeno (1,2,3-CD) Pyrene	100	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Benzo(B)Fluoranthene	160	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Fluoranthene	90	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Benzo(K)Fluoranthene	52	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Chrysene	83	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Benzo[A]Pyrene	130	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Benzo(A)Anthracene	86	UG/KG	MDL	39	200	J	8270D		3546
SSP14-SWMU19-SS-1	12/03/2014	7700523	Mercury	0.0362	MG/KG	MDL	0.0116	0.231	J	7471B		7471B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Mercury	0.0169	MG/KG	MDL	0.0116	0.231	J	7471B		7471B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Thallium	0.167	MG/KG	MDL	0.0337	0.225	J	6020A		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Benzo[A]Pyrene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Benzo(A)Anthracene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Anthracene	4	UG/KG	MDL	4	20	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-9	12/10/2014	7711219	Pyrene	19	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Benzo(G,H,I)Perylene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Indeno (1,2,3-CD) Pyrene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Benzo(B)Fluoranthene	19	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Benzo(K)Fluoranthene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Chrysene	12	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-9	12/10/2014	7711219	Beryllium	0.877	MG/KG	MDL	0.0754	1.12	J	6010C		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Cadmium	0.119	MG/KG	MDL	0.0371	1.12	J	6010C		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Chromium	1.95	MG/KG	MDL	0.124	3.37	J	6010C		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Cobalt	1.04	MG/KG	MDL	0.108	1.12	J	6010C		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Selenium	0.220	MG/KG	MDL	0.112	0.900	J	6020A		3050B
SSP14-SWMU16-SS-9	12/10/2014	7711219	Phenanthrene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-8	12/11/2014	7711218	Acenaphthylene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-8	12/11/2014	7711218	Mercury	0.0173	MG/KG	MDL	0.0114	0.228	J	7471B		7471B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Thallium	0.145	MG/KG	MDL	0.0338	0.226	J	6020A		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Arsenic	0.756	MG/KG	MDL	0.0963	0.902	J	6020A		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Beryllium	0.876	MG/KG	MDL	0.0755	1.13	J	6010C		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Cadmium	0.0789	MG/KG	MDL	0.0372	1.13	J	6010C		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Chromium	2.01	MG/KG	MDL	0.124	3.38	J	6010C		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Selenium	0.242	MG/KG	MDL	0.113	0.902	J	6020A		3050B
SSP14-SWMU16-SS-8	12/11/2014	7711218	Acenaphthene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-8	12/11/2014	7711218	Fluorene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-8	12/11/2014	7711218	Naphthalene	4	UG/KG	MDL	4	20	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-6	12/10/2014	7711216	Beryllium	1.15	MG/KG	MDL	0.0889	1.33	J	6010C		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Cadmium	0.0703	MG/KG	MDL	0.0438	1.33	J	6010C		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Carbon Disulfide	1	UG/KG	MDL	0.6	3	J	8260B		5035A
SSP14-SWMU16-SS-5	12/10/2014	7711215	Beryllium	0.662	MG/KG	MDL	0.0742	1.11	J	6010C		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Cadmium	0.0798	MG/KG	MDL	0.0366	1.11	J	6010C		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Chromium	3.24	MG/KG	MDL	0.122	3.32	J	6010C		3050B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Cobalt	0.974	MG/KG	MDL	0.106	1.11	J	6010C		3050B
SSP14-SWMU16-SS-6	12/10/2014	7711216	Mercury	0.0216	MG/KG	MDL	0.0136	0.272	J	7471B		7471B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Tetrachloroethene	2	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU16-SS-7	12/10/2014	7711217	Benzo(G,H,I)Perylene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Indeno (1,2,3-CD) Pyrene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Benzo(B)Fluoranthene	16	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Benzo(K)Fluoranthene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Chrysene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Cadmium	0.185	MG/KG	MDL	0.0374	1.13	J	6010C		3050B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Trichloroethene	3	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SWMU16-SS-7	12/10/2014	7711217	Phenanthrene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Mercury	0.0254	MG/KG	MDL	0.0112	0.224	J	7471B		7471B
SSP14-SWMU16-SS-7	12/10/2014	7711217	Benzo[A]Pyrene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-7	12/10/2014	7711217	Benzo(A)Anthracene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU15-SS-4	12/03/2014	7700518	Acenaphthene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU15-SS-4	12/03/2014	7700518	Fluorene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU15-SS-5	12/03/2014	7700519	Pyrene	17	UG/KG	MDL	4	19	J	8270D		3546

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SS-5	12/03/2014	7700519	Benzo(G,H,I)Perylene	17	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SS-5	12/03/2014	7700519	Indeno (1,2,3-CD) Pyrene	14	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SS-5	12/03/2014	7700519	Benzo(K)Fluoranthene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SS-5	12/03/2014	7700519	Chrysene	12	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SS-5	12/03/2014	7700519	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SS-5	12/03/2014	7700519	Benzo(A)Anthracene	11	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU15-SS-5	12/03/2014	7700519	Acetone	13	UG/KG	MDL	7	20	J	8260B		5035A
SSP14-SWMU15-SS-4	12/03/2014	7700518	Beryllium	1.05	MG/KG	MDL	0.0794	1.18	J	6010C		3050B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Chromium	3.12	MG/KG	MDL	0.130	3.55	J	6010C		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Beryllium	0.920	MG/KG	MDL	0.0762	1.14	J	6010C		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Chromium	3.11	MG/KG	MDL	0.125	3.41	J	6010C		3050B
SSP14-SWMU15-SS-5	12/03/2014	7700519	Carbon Disulfide	2	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU15-SS-5	12/03/2014	7700519	Phenanthrene	10	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Pyrene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Benzo(G,H,I)Perylene	16	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Indeno (1,2,3-CD) Pyrene	13	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Fluoranthene	11	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Benzo(K)Fluoranthene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Chrysene	8	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Benzo[A]Pyrene	14	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Dibenz(A,H)Anthracene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Benzo(A)Anthracene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Mercury	0.0185	MG/KG	MDL	0.0109	0.218	J	7471B		7471B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU15-SS-5	12/03/2014	7700519	Mercury	0.0186	MG/KG	MDL	0.0109	0.219	J	7471B		7471B
SSP14-SWMU15-SS-4	12/03/2014	7700518	Mercury	0.0192	MG/KG	MDL	0.0111	0.221	J	7471B		7471B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Naphthalene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU15-SS-3	12/04/2014	7700517	2-Methylnaphthalene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU15-SS-3	12/04/2014	7700517	Mercury	0.0262	MG/KG	MDL	0.0119	0.238	J	7471B		7471B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Cadmium	0.0831	MG/KG	MDL	0.0409	1.24	J	6010C		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Beryllium	1.12	MG/KG	MDL	0.0789	1.18	J	6010C		3050B
SSP14-SWMU15-SS-3	12/04/2014	7700517	Antimony	0.274	MG/KG	MDL	0.0993	0.471	J	6020A		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	2-Methylnaphthalene	18	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU15-SS-3	12/04/2014	7700517	Acenaphthylene	5	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU15-SS-2	12/04/2014	7700516	Mercury	0.0369	MG/KG	MDL	0.0123	0.247	J	7471B		7471B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Silver	0.306	MG/KG	MDL	0.236	1.24	J	6010C		3050B
SSP14-SWMU15-SS-1	12/04/2014	7700515	Cadmium	0.0484	MG/KG	MDL	0.0381	1.15	J	6010C		3050B
SSP14-SWMU15-SS-2	12/04/2014	7700516	Acetone	19	UG/KG	MDL	9	26	J	8260B		5035A
SSP14-SWMU15-SS-2	12/04/2014	7700516	Acenaphthylene	13	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SWMU16-SS-2	12/10/2014	7711212	Beryllium	0.617	MG/KG	MDL	0.0764	1.14	J	6010C		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Cadmium	0.0980	MG/KG	MDL	0.0376	1.14	J	6010C		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Chromium	2.84	MG/KG	MDL	0.125	3.42	J	6010C		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Cobalt	0.879	MG/KG	MDL	0.109	1.14	J	6010C		3050B
SSP14-SWMU16-SS-2	12/10/2014	7711212	Acenaphthene	10	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-2	12/10/2014	7711212	Fluorene	17	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-2	12/10/2014	7711212	2-Methylnaphthalene	9	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-3	12/10/2014	7711213	Anthracene	9	UG/KG	MDL	4	19	J	8270D		3546

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-3	12/10/2014	7711213	Acenaphthylene	8	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-2	12/10/2014	7711212	Mercury	0.0232	MG/KG	MDL	0.0109	0.219	J	7471B		7471B
SSP14-SWMU16-SS-10	12/10/2014	7711220	Anthracene	7	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-10	12/10/2014	7711220	Indeno (1,2,3-CD) Pyrene	18	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-10	12/10/2014	7711220	Benzo(K)Fluoranthene	16	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-1	12/10/2014	7711211	Beryllium	0.831	MG/KG	MDL	0.0760	1.13	J	6010C		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Cadmium	0.112	MG/KG	MDL	0.0374	1.13	J	6010C		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Chromium	1.82	MG/KG	MDL	0.125	3.40	J	6010C		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Cobalt	1.09	MG/KG	MDL	0.109	1.13	J	6010C		3050B
SSP14-SWMU16-SS-1	12/10/2014	7711211	Phenanthrene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-10	12/10/2014	7711220	Thallium	0.214	MG/KG	MDL	0.0341	0.227	J	6020A		3050B
SSP14-SWMU16-SS-10	12/10/2014	7711220	Dibenz(A,H)Anthracene	6	UG/KG	MDL	4	20	J	8270D		3546
SSP14-SWMU16-SS-10	12/10/2014	7711220	Beryllium	1.02	MG/KG	MDL	0.0762	1.14	J	6010C		3050B
SSP14-SWMU16-SS-10	12/10/2014	7711220	Cadmium	0.139	MG/KG	MDL	0.0375	1.14	J	6010C		3050B
SSP14-SWMU16-SS-10	12/10/2014	7711220	Selenium	0.186	MG/KG	MDL	0.114	0.909	J	6020A		3050B
SSP14-SWMU16-SS-4	12/10/2014	7711214	Beryllium	0.611	MG/KG	MDL	0.0735	1.10	J	6010C		3050B
SSP14-SWMU16-SS-4	12/10/2014	7711214	Cadmium	0.121	MG/KG	MDL	0.0362	1.10	J	6010C		3050B
SSP14-SWMU16-SS-4	12/10/2014	7711214	Carbon Disulfide	2	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU16-SS-4	12/10/2014	7711214	Acenaphthene	5	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-4	12/10/2014	7711214	Fluorene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-4	12/10/2014	7711214	Mercury	0.0129	MG/KG	MDL	0.0108	0.217	J	7471B		7471B
SSP14-SWMU16-SS-5	12/10/2014	7711215	Tetrachloroethene	4	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU16-SS-5	12/10/2014	7711215	Mercury	0.0222	MG/KG	MDL	0.0114	0.228	J	7471B		7471B

Site: Brevard **Sampling Program:** SOIL 2014 **Validation Options:** LABSTATS

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SWMU16-SS-3	12/10/2014	7711213	Mercury	0.0154	MG/KG	MDL	0.0108	0.215	J	7471B		7471B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Dibenz(A,H)Anthracene	13	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-3	12/10/2014	7711213	Acetone	17	UG/KG	MDL	7	21	J	8260B		5035A
SSP14-SWMU16-SS-4	12/10/2014	7711214	Anthracene	9	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-4	12/10/2014	7711214	Dibenz(A,H)Anthracene	11	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-3	12/10/2014	7711213	Beryllium	0.726	MG/KG	MDL	0.0753	1.12	J	6010C		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Cadmium	0.0730	MG/KG	MDL	0.0371	1.12	J	6010C		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Chromium	1.36	MG/KG	MDL	0.124	3.37	J	6010C		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Cobalt	0.891	MG/KG	MDL	0.108	1.12	J	6010C		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Copper	2.19	MG/KG	MDL	0.371	2.25	J	6010C		3050B
SSP14-SWMU16-SS-3	12/10/2014	7711213	Carbon Disulfide	1	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SWMU16-SS-3	12/10/2014	7711213	Acenaphthene	4	UG/KG	MDL	4	19	J	8270D		3546
SSP14-SWMU16-SS-3	12/10/2014	7711213	Fluorene	4	UG/KG	MDL	4	19	J	8270D		3546

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

December 19, 2014

Project: BRE - SOIL

Submittal Date: 12/05/2014
Group Number: 1523521
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-MA-SS-1 Soil	7700504
SSP14-MA-SS-2 Soil	7700505
SSP14-MA-SS-2 MS Soil	7700506
SSP14-MA-SS-2 MSD Soil	7700507
SSP14-MA-SS-2 Dupl Soil	7700508
SSP14-MA-SS-2-D Soil	7700509
SSP14-MA-SS-3 Soil	7700510
SSP14-MA-SS-4 Soil	7700511
SSP14-MA-SS-5 Soil	7700512
SSP14-MA-SS-6 Soil	7700513
SSP14-MA-SS-7 Soil	7700514
SSP14-SWMU15-SS-1 Soil	7700515
SSP14-SWMU15-SS-2 Soil	7700516
SSP14-SWMU15-SS-3 Soil	7700517
SSP14-SWMU15-SS-4 Soil	7700518
SSP14-SWMU15-SS-5 Soil	7700519
SSP14-SWMU15-SBS-1 Soil	7700520
SSP14-SWMU15-SBS-2 Soil	7700521
SSP14-SWMU15-SBS-2-D Soil	7700522
SSP14-SWMU19-SS-1 Soil	7700523
SSP14-SWMU19-SS-2 Soil	7700524
SSP14-SWMU19-SS-3 Soil	7700525
TB-SS-8-120114 Blank Water	7700526
TB-SS-8-120114-A Blank Water	7700527
EB-SS-3-120414 Blank Water	7700528
EB-SS-3-120414-A Blank Water	7700529
EB-SS-4-120414 Blank Water	7700532
EB-SS-4-120414-A Blank Water	7700533
EB-SS-1-120314 Blank Water	7700536
EB-SS-1-120314-A Blank Water	7700537
TB-SS-1-120314 Blank Water	7700538

TB-SS-1-120314-A Blank Water 7700539

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

Respectfully Submitted,

Nancy Jean Bornholm

Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-MA-SS-1 Soil
SOIL 2014

LL Sample # SW 7700504
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 11:04 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS1

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	10	J	8	23	1.04
10237	Acetonitrile	75-05-8	29	U	29	120	1.04
10237	Acrolein	107-02-8	23	U	23	120	1.04
10237	Acrylonitrile	107-13-1	5	U	5	23	1.04
10237	Allyl Chloride	107-05-1	1	U	1	6	1.04
10237	Benzene	71-43-2	0.6	U	0.6	6	1.04
10237	Bromodichloromethane	75-27-4	1	U	1	6	1.04
10237	Bromoform	75-25-2	1	U	1	6	1.04
10237	Bromomethane	74-83-9	2	U	2	6	1.04
10237	2-Butanone	78-93-3	5	U	5	12	1.04
10237	Carbon Disulfide	75-15-0	4	J	1	6	1.04
10237	Carbon Tetrachloride	56-23-5	1	U	1	6	1.04
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	6	1.04
10237	Chlorobenzene	108-90-7	1	U	1	6	1.04
10237	Chloroethane	75-00-3	2	U	2	6	1.04
10237	Chloroform	67-66-3	1	U	1	6	1.04
10237	Chloromethane	74-87-3	2	U	2	6	1.04
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	6	1.04
10237	Dibromochloromethane	124-48-1	1	U	1	6	1.04
10237	1,2-Dibromoethane	106-93-4	1	U	1	6	1.04
10237	Dibromomethane	74-95-3	1	U	1	6	1.04
10237	trans-1,4-Dichloro-2-butene	110-57-6	12	U	12	59	1.04
10237	Dichlorodifluoromethane	75-71-8	2	U	2	6	1.04
10237	1,1-Dichloroethane	75-34-3	1	U	1	6	1.04
10237	1,2-Dichloroethane	107-06-2	1	U	1	6	1.04
10237	1,1-Dichloroethene	75-35-4	1	U	1	6	1.04
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	6	1.04
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	6	1.04
10237	1,2-Dichloropropane	78-87-5	1	U	1	6	1.04
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	6	1.04
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	6	1.04
10237	Ethyl Methacrylate	97-63-2	1	U	1	6	1.04
10237	Ethylbenzene	100-41-4	1	U	1	6	1.04
10237	2-Hexanone	591-78-6	4	U	4	12	1.04
10237	Isobutyl Alcohol	78-83-1	120	U	120	290	1.04
10237	Methacrylonitrile	126-98-7	6	U	6	59	1.04
10237	Methyl Iodide	74-88-4	4	U	4	6	1.04
10237	Methyl Methacrylate	80-62-6	1	U	1	6	1.04
10237	4-Methyl-2-pentanone	108-10-1	4	U	4	12	1.04
10237	Methylene Chloride	75-09-2	2	U	2	6	1.04
10237	Pentachloroethane	76-01-7	1	U	1	6	1.04
10237	Propionitrile	107-12-0	35	U	35	120	1.04
10237	Styrene	100-42-5	1	U	1	6	1.04
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	6	1.04
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	6	1.04
10237	Tetrachloroethene	127-18-4	1	U	1	6	1.04
10237	Toluene	108-88-3	1	U	1	6	1.04
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	6	1.04
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	6	1.04
10237	Trichloroethene	79-01-6	1	U	1	6	1.04
10237	Trichlorofluoromethane	75-69-4	2	U	2	6	1.04

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-1 Soil
SOIL 2014

LL Sample # SW 7700504
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 11:04 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS1

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	1,2,3-Trichloropropane	96-18-4	1	U	1	6	1.04
10237	Vinyl Acetate	108-05-4	2	U	2	12	1.04
10237	Vinyl Chloride	75-01-4	1	U	1	6	1.04
10237	Xylene (Total)	1330-20-7	1	U	1	6	1.04
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	52		4	19	1
10726	Acenaphthylene	208-96-8	15	J	4	19	1
10726	Acetophenone	98-86-2	19	U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	75	U	75	190	1
10726	4-Aminobiphenyl	92-67-1	190	U	190	560	1
10726	Aniline	62-53-3	190	U	190	560	1
10726	Anthracene	120-12-7	150		4	19	1
10726	Benzo(a)anthracene	56-55-3	510		4	19	1
10726	Benzo(a)pyrene	50-32-8	490		4	19	1
10726	Benzo(b)fluoranthene	205-99-2	660		4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	380		4	19	1
10726	Benzo(k)fluoranthene	207-08-9	250		4	19	1
10726	Benzyl alcohol	100-51-6	190	U	190	560	1
10726	1,1'-Biphenyl	92-52-4	110		19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U	19	38	1
10726	Butylbenzylphthalate	85-68-7	75	U	75	190	1
10726	Di-n-butylphthalate	84-74-2	75	U	75	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U	19	38	1
10726	4-Chloroaniline	106-47-8	19	U	19	38	1
10726	Chlorobenzilate	510-15-6	38	U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U	19	38	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	8	U	8	37	1
10726	2-Chlorophenol	95-57-8	19	U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U	19	38	1
10726	Chrysene	218-01-9	470		4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	99		4	19	1
10726	Dibenzofuran	132-64-9	28	J	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U	19	38	1
10726	Diethylphthalate	84-66-2	75	U	75	190	1
10726	Dimethoate	60-51-5	190	U	190	560	1
10726	p-Dimethylaminoazobenzene	60-11-7	75	U	75	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	560	U	560	1,100	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-1 Soil
SOIL 2014

LL Sample # SW 7700504
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 11:04 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS1

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	2,4-Dimethylphenol	105-67-9	19	U	19	38	1
10726	Dimethylphthalate	131-11-3	75	U	75	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U	190	560	1
10726	1,3-Dinitrobenzene	99-65-0	75	U	75	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U	340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	75	U	75	190	1
10726	2,6-Dinitrotoluene	606-20-2	19	U	19	38	1
10726	1,4-Dioxane	123-91-1	110	U	110	380	1
10726	Diphenyl ether	101-84-8	480		19	38	1
10726	Ethyl methanesulfonate	62-50-0	75	U	75	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	75	U	75	190	1
10726	Fluoranthene	206-44-0	1,000		4	19	1
10726	Fluorene	86-73-7	58		4	19	1
10726	Hexachlorobenzene	118-74-1	4	U	4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U	19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U	190	560	1
10726	Hexachloroethane	67-72-1	38	U	38	190	1
10726	Hexachloropropene	1888-71-7	110	U	110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	330		4	19	1
10726	Isodrin	465-73-6	19	U	19	38	1
10726	Isophorone	78-59-1	19	U	19	38	1
10726	Isosafrole	120-58-1	75	U	75	190	1
10726	Methapyrilene	91-80-5	1,900	U	1,900	5,600	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U	38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U	19	38	1
10726	2-Methylnaphthalene	91-57-6	8	J	4	19	1
10726	2-Methylphenol	95-48-7	19	U	19	38	1
10726	4-Methylphenol	106-44-5	19	U	19	38	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	17	J	4	19	1
10726	1,4-Naphthoquinone	130-15-4	940	U	940	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U	190	560	1
10726	2-Naphthylamine	91-59-8	190	U	190	560	1
10726	2-Nitroaniline	88-74-4	19	U	19	38	1
10726	3-Nitroaniline	99-09-2	75	U	75	190	1
10726	4-Nitroaniline	100-01-6	75	U	75	190	1
10726	Nitrobenzene	98-95-3	19	U	19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U	190	560	1
10726	2-Nitrophenol	88-75-5	19	U	19	38	1
10726	4-Nitrophenol	100-02-7	190	U	190	560	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U	380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U	19	38	1
10726	N-Nitrosodimethylamine	62-75-9	75	U	75	190	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-1 Soil
SOIL 2014

LL Sample # SW 7700504
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 11:04 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS1

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	N-Nitrosodi-n-butylamine	924-16-3	75	U	75	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U	19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U	19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10726	N-Nitrosomethylethylamine	10595-95-6	75	U	75	190	1
10726	N-Nitrosomorpholine	59-89-2	75	U	75	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U	19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U	19	38	1
10726	Di-n-octylphthalate	117-84-0	75	U	75	190	1
10726	Pentachlorobenzene	608-93-5	19	U	19	38	1
10726	Pentachloronitrobenzene	82-68-8	75	U	75	190	1
10726	Pentachlorophenol	87-86-5	38	U	38	190	1
10726	Phenacetin	62-44-2	75	U	75	190	1
10726	Phenanthrene	85-01-8	620		4	19	1
10726	Phenol	108-95-2	19	U	19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U	13,000	38,000	1
10726	2-Picoline	109-06-8	110	U	110	380	1
10726	Pronamide	23950-58-5	38	U	38	190	1
10726	Pyrene	129-00-0	820		4	19	1
10726	Pyridine	110-86-1	75	U	75	190	1
10726	Safrole	94-59-7	75	U	75	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U	19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	75	U	75	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	75	U	75	190	1
10726	Thionazin	297-97-2	75	U	75	190	1
10726	o-Toluidine	95-53-4	230	U	230	750	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U	19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U	19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U	19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	75	U	75	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U	190	560	1
Pesticides/PCBs	**SW-846 8082**		**ug/kg**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	4.0	U	4.0	19	1
10736	PCB-1221	11104-28-2	5.1	U	5.1	19	1
10736	PCB-1232	11141-16-5	9.0	U	9.0	19	1
10736	PCB-1242	53469-21-9	3.7	U	3.7	19	1
10736	PCB-1248	12672-29-6	3.7	U	3.7	19	1
10736	PCB-1254	11097-69-1	17	J	3.7	19	1
10736	PCB-1260	11096-82-5	8.6	J	5.5	19	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/kg**		**mg/kg**	**mg/kg**	
12925	Diethylene glycol	111-46-6	5.6	U	5.6	11	1
12925	Ethylene glycol	107-21-1	5.6	U	5.6	11	1
12925	Propylene glycol	57-55-6	5.6	U	5.6	11	1
12925	Triethylene glycol	112-27-6	5.6	U	5.6	11	1

*=This limit was used in the evaluation of the final result

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Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

Sample Description: SSP14-MA-SS-1 Soil
SOIL 2014

LL Sample # SW 7700504
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 11:04 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/kg**	**mg/kg**	**mg/kg**	
06946	Barium	7440-39-3	104	0.0717	2.17	2
06947	Beryllium	7440-41-7	0.902 J	0.0728	1.09	1
06949	Cadmium	7440-43-9	0.0891 J	0.0359	1.09	1
06951	Chromium	7440-47-3	6.27	0.120	3.26	1
06952	Cobalt	7440-48-4	2.46	0.104	1.09	1
06953	Copper	7440-50-8	8.26	0.359	2.17	1
06961	Nickel	7440-02-0	23.5	0.163	2.17	1
06966	Silver	7440-22-4	0.536 J	0.206	1.09	1
06969	Tin	7440-31-5	3.11 J	0.467	21.7	1
06971	Vanadium	7440-62-2	9.07	0.0989	1.09	1
06972	Zinc	7440-66-6	50.3	0.282	4.35	1
	SW-846 6020A		**mg/kg**	**mg/kg**	**mg/kg**	
06124	Antimony	7440-36-0	0.393 J	0.0917	0.435	2
06125	Arsenic	7440-38-2	1.31	0.0928	0.869	2
06135	Lead	7439-92-1	19.1	0.0140	0.435	2
06141	Selenium	7782-49-2	0.251 J	0.109	0.869	2
06145	Thallium	7440-28-0	0.336	0.0326	0.217	2
	SW-846 7471B		**mg/kg**	**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.0146 J	0.0112	0.224	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	**%**	
00111	Moisture	n.a.	11.5	0.50	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 12:37	Chelsea B Stong	1.04
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/02/2014 11:04	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/02/2014 11:04	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/02/2014 11:04	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 01:10	Catherine E Bachman	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SSP14-MA-SS-1 Soil
SOIL 2014

LL Sample # SW 7700504
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 11:04 by KS

Submitted: 12/05/2014 22:25
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CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014	09:30	David S Schrum	1
10736	PCBs	SW-846 8082	1	143430016A	12/11/2014	16:09	Jessica L Miller	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143430016A	12/10/2014	02:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/10/2014	01:00	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014	20:10	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/12/2014	17:12	Katlin N Cataldi	2
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014	11:41	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014	11:41	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014	11:41	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014	11:41	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014	11:41	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014	11:41	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014	11:41	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014	11:41	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014	11:41	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/11/2014	11:41	Joanne M Gates	1
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014	07:53	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014	07:53	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014	07:53	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014	07:53	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014	07:53	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014	06:57	Damary Valentin	1
10637	SW SW846 (IV)ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014	08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014	09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014	11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 Soil
SOIL 2014

LL Sample # SW 7700505
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	37		8	22	0.95
10237	Acetonitrile	75-05-8	28	U	28	110	0.95
10237	Acrolein	107-02-8	22	U	22	110	0.95
10237	Acrylonitrile	107-13-1	4	U	4	22	0.95
10237	Allyl Chloride	107-05-1	1	U	1	6	0.95
10237	Benzene	71-43-2	0.6	U	0.6	6	0.95
10237	Bromodichloromethane	75-27-4	1	U	1	6	0.95
10237	Bromoform	75-25-2	1	U	1	6	0.95
10237	Bromomethane	74-83-9	2	U	2	6	0.95
10237	2-Butanone	78-93-3	4	U	4	11	0.95
10237	Carbon Disulfide	75-15-0	1	J	1	6	0.95
10237	Carbon Tetrachloride	56-23-5	1	U	1	6	0.95
10237	2-Chloro-1,3-butadiene	126-99-8	1	U	1	6	0.95
10237	Chlorobenzene	108-90-7	1	U	1	6	0.95
10237	Chloroethane	75-00-3	2	U	2	6	0.95
10237	Chloroform	67-66-3	1	U	1	6	0.95
10237	Chloromethane	74-87-3	2	U	2	6	0.95
10237	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	6	0.95
10237	Dibromochloromethane	124-48-1	1	U	1	6	0.95
10237	1,2-Dibromoethane	106-93-4	1	U	1	6	0.95
10237	Dibromomethane	74-95-3	1	U	1	6	0.95
10237	trans-1,4-Dichloro-2-butene	110-57-6	11	U	11	56	0.95
10237	Dichlorodifluoromethane	75-71-8	2	U	2	6	0.95
10237	1,1-Dichloroethane	75-34-3	1	U	1	6	0.95
10237	1,2-Dichloroethane	107-06-2	1	U	1	6	0.95
10237	1,1-Dichloroethene	75-35-4	1	U	1	6	0.95
10237	cis-1,2-Dichloroethene	156-59-2	1	U	1	6	0.95
10237	trans-1,2-Dichloroethene	156-60-5	1	U	1	6	0.95
10237	1,2-Dichloropropane	78-87-5	1	U	1	6	0.95
10237	cis-1,3-Dichloropropene	10061-01-5	1	U	1	6	0.95
10237	trans-1,3-Dichloropropene	10061-02-6	1	U	1	6	0.95
10237	Ethyl Methacrylate	97-63-2	1	U	1	6	0.95
10237	Ethylbenzene	100-41-4	1	U	1	6	0.95
10237	2-Hexanone	591-78-6	3	U	3	11	0.95
10237	Isobutyl Alcohol	78-83-1	110	U	110	280	0.95
10237	Methacrylonitrile	126-98-7	6	U	6	56	0.95
10237	Methyl Iodide	74-88-4	3	U	3	6	0.95
10237	Methyl Methacrylate	80-62-6	1	U	1	6	0.95
10237	4-Methyl-2-pentanone	108-10-1	3	U	3	11	0.95
10237	Methylene Chloride	75-09-2	2	U	2	6	0.95
10237	Pentachloroethane	76-01-7	1	U	1	6	0.95
10237	Propionitrile	107-12-0	33	U	33	110	0.95
10237	Styrene	100-42-5	1	U	1	6	0.95
10237	1,1,1,2-Tetrachloroethane	630-20-6	1	U	1	6	0.95
10237	1,1,2,2-Tetrachloroethane	79-34-5	1	U	1	6	0.95
10237	Tetrachloroethene	127-18-4	1	U	1	6	0.95
10237	Toluene	108-88-3	1	U	1	6	0.95
10237	1,1,1-Trichloroethane	71-55-6	1	U	1	6	0.95
10237	1,1,2-Trichloroethane	79-00-5	1	U	1	6	0.95
10237	Trichloroethene	79-01-6	1	U	1	6	0.95
10237	Trichlorofluoromethane	75-69-4	2	U	2	6	0.95

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 Soil
SOIL 2014

LL Sample # SW 7700505
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	1,2,3-Trichloropropane	96-18-4	1	U	1	6	0.95
10237	Vinyl Acetate	108-05-4	2	U	2	11	0.95
10237	Vinyl Chloride	75-01-4	1	U	1	6	0.95
10237	Xylene (Total)	1330-20-7	1	U	1	6	0.95
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	2,500		19	99	5
10726	Acenaphthylene	208-96-8	1,500		19	99	5
10726	Acetophenone	98-86-2	97	U	97	190	5
10726	2-Acetylaminofluorene	53-96-3	390	U	390	970	5
10726	4-Aminobiphenyl	92-67-1	970	U	970	2,900	5
10726	Aniline	62-53-3	970	U	970	2,900	5
10726	Anthracene	120-12-7	9,100		19	99	5
10726	Benzo(a)anthracene	56-55-3	22,000		19	99	5
10726	Benzo(a)pyrene	50-32-8	17,000		19	99	5
10726	Benzo(b)fluoranthene	205-99-2	22,000		19	99	5
10726	Benzo(g,h,i)perylene	191-24-2	11,000		19	99	5
10726	Benzo(k)fluoranthene	207-08-9	9,000		19	99	5
10726	Benzyl alcohol	100-51-6	970	U	970	2,900	5
10726	1,1'-Biphenyl	92-52-4	430		97	190	5
10726	4-Bromophenyl-phenylether	101-55-3	97	U	97	190	5
10726	Butylbenzylphthalate	85-68-7	390	U	390	970	5
10726	Di-n-butylphthalate	84-74-2	390	U	390	970	5
10726	4-Chloro-3-methylphenol	59-50-7	97	U	97	190	5
10726	4-Chloroaniline	106-47-8	97	U	97	190	5
10726	Chlorobenzilate	510-15-6	190	U	190	970	5
10726	bis(2-Chloroethoxy)methane	111-91-1	97	U	97	190	5
10726	bis(2-Chloroethyl)ether	111-44-4	97	U	97	190	5
10726	bis(2-Chloroisopropyl)ether	39638-32-9	97	U	97	190	5
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	41	U	41	190	5
10726	2-Chlorophenol	95-57-8	97	U	97	190	5
10726	4-Chlorophenyl-phenylether	7005-72-3	97	U	97	190	5
10726	Chrysene	218-01-9	19,000		19	99	5
10726	Diallate TRANS/CIS	2303-16-4	190	U	190	970	5
10726	Dibenz(a,h)anthracene	53-70-3	3,100		19	99	5
10726	Dibenzofuran	132-64-9	1,200		97	190	5
10726	1,2-Dichlorobenzene	95-50-1	97	U	97	190	5
10726	1,3-Dichlorobenzene	541-73-1	97	U	97	190	5
10726	1,4-Dichlorobenzene	106-46-7	97	U	97	190	5
10726	3,3'-Dichlorobenzidine	91-94-1	580	U	580	1,900	5
10726	2,4-Dichlorophenol	120-83-2	97	U	97	190	5
10726	2,6-Dichlorophenol	87-65-0	97	U	97	190	5
10726	Diethylphthalate	84-66-2	390	U	390	970	5
10726	Dimethoate	60-51-5	970	U	970	2,900	5
10726	p-Dimethylaminoazobenzene	60-11-7	390	U	390	970	5
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	97	U	97	190	5
10726	3,3'-Dimethylbenzidine	119-93-7	2,900	U	2,900	5,800	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 Soil
SOIL 2014

LL Sample # SW 7700505
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	2,4-Dimethylphenol	105-67-9	97	U	97	190	5
10726	Dimethylphthalate	131-11-3	390	U	390	970	5
10726	4,6-Dinitro-2-methylphenol	534-52-1	970	U	970	2,900	5
10726	1,3-Dinitrobenzene	99-65-0	390	U	390	970	5
10726	2,4-Dinitrophenol	51-28-5	1,800	U	1,800	5,800	5
10726	2,4-Dinitrotoluene	121-14-2	390	U	390	970	5
10726	2,6-Dinitrotoluene	606-20-2	97	U	97	190	5
10726	1,4-Dioxane	123-91-1	580	U	580	1,900	5
10726	Diphenyl ether	101-84-8	500		97	190	5
10726	Ethyl methanesulfonate	62-50-0	390	U	390	970	5
10726	bis(2-Ethylhexyl)phthalate	117-81-7	500	J	390	990	5
10726	Fluoranthene	206-44-0	58,000		78	400	20
10726	Fluorene	86-73-7	4,100		19	99	5
10726	Hexachlorobenzene	118-74-1	19	U	19	99	5
10726	Hexachlorobutadiene	87-68-3	97	U	97	190	5
10726	Hexachlorocyclopentadiene	77-47-4	970	U	970	2,900	5
10726	Hexachloroethane	67-72-1	190	U	190	970	5
10726	Hexachloropropene	1888-71-7	580	U	580	1,900	5
10726	Indeno(1,2,3-cd)pyrene	193-39-5	10,000		19	99	5
10726	Isodrin	465-73-6	97	U	97	190	5
10726	Isophorone	78-59-1	97	U	97	190	5
10726	Isosafrole	120-58-1	390	U	390	970	5
10726	Methapyrilene	91-80-5	9,700	U	9,700	29,000	5
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	190	U	190	970	5
10726	3-Methylcholanthrene	56-49-5	280		97	190	5
10726	2-Methylnaphthalene	91-57-6	550		19	99	5
10726	2-Methylphenol	95-48-7	97	U	97	190	5
10726	4-Methylphenol	106-44-5	97	U	97	190	5
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	640		19	99	5
10726	1,4-Naphthoquinone	130-15-4	4,900	U	4,900	19,000	5
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	970	U	970	2,900	5
10726	2-Naphthylamine	91-59-8	970	U	970	2,900	5
10726	2-Nitroaniline	88-74-4	97	U	97	190	5
10726	3-Nitroaniline	99-09-2	390	U	390	970	5
10726	4-Nitroaniline	100-01-6	390	U	390	970	5
10726	Nitrobenzene	98-95-3	97	U	97	190	5
10726	5-Nitro-o-toluidine	99-55-8	970	U	970	2,900	5
10726	2-Nitrophenol	88-75-5	97	U	97	190	5
10726	4-Nitrophenol	100-02-7	970	U	970	2,900	5
10726	4-Nitroquinoline-1-oxide	56-57-5	1,900	U	1,900	5,800	5
10726	N-Nitrosodiethylamine	55-18-5	97	U	97	190	5
10726	N-Nitrosodimethylamine	62-75-9	390	U	390	970	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 Soil
SOIL 2014

LL Sample # SW 7700505
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	N-Nitrosodi-n-butylamine	924-16-3	390	U	390	970	5
10726	N-Nitroso-di-n-propylamine	621-64-7	97	U	97	190	5
10726	N-Nitrosodiphenylamine	86-30-6	97	U	97	190	5
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10726	N-Nitrosomethylethylamine	10595-95-6	390	U	390	970	5
10726	N-Nitrosomorpholine	59-89-2	390	U	390	970	5
10726	N-Nitrosopiperidine	100-75-4	97	U	97	190	5
10726	N-Nitrosopyrrolidine	930-55-2	97	U	97	190	5
10726	Di-n-octylphthalate	117-84-0	390	U	390	970	5
10726	Pentachlorobenzene	608-93-5	97	U	97	190	5
10726	Pentachloronitrobenzene	82-68-8	390	U	390	970	5
10726	Pentachlorophenol	87-86-5	190	U	190	990	5
10726	Phenacetin	62-44-2	390	U	390	970	5
10726	Phenanthrene	85-01-8	36,000		78	400	20
10726	Phenol	108-95-2	97	U	97	190	5
10726	1,4-Phenylenediamine	106-50-3	68,000	U	68,000	190,000	5
10726	2-Picoline	109-06-8	580	U	580	1,900	5
10726	Pronamide	23950-58-5	190	U	190	970	5
10726	Pyrene	129-00-0	41,000		78	400	20
10726	Pyridine	110-86-1	390	U	390	970	5
10726	Safrole	94-59-7	390	U	390	970	5
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	97	U	97	190	5
10726	2,3,4,6-Tetrachlorophenol	58-90-2	390	U	390	970	5
10726	Tetraethyldithiopyrophosphate	3689-24-5	390	U	390	970	5
10726	Thionazin	297-97-2	390	U	390	970	5
10726	o-Toluidine	95-53-4	1,200	U	1,200	3,900	5
10726	1,2,4-Trichlorobenzene	120-82-1	97	U	97	190	5
10726	2,4,5-Trichlorophenol	95-95-4	97	U	97	190	5
10726	2,4,6-Trichlorophenol	88-06-2	97	U	97	190	5
10726	O,O,O-Triethylphosphorothioate	126-68-1	390	U	390	970	5
10726	1,3,5-Trinitrobenzene	99-35-4	970	U	970	2,900	5
Pesticides/PCBs	**SW-846 8082**		**ug/kg**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	4.2	U	4.2	20	1
10736	PCB-1221	11104-28-2	5.3	U	5.3	20	1
10736	PCB-1232	11141-16-5	9.3	U	9.3	20	1
10736	PCB-1242	53469-21-9	3.8	U	3.8	20	1
10736	PCB-1248	12672-29-6	3.8	U	3.8	20	1
10736	PCB-1254	11097-69-1	240		3.8	20	1
10736	PCB-1260	11096-82-5	5.7	U	5.7	20	1
	The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.						
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/kg**		**mg/kg**	**mg/kg**	
12925	Diethylene glycol	111-46-6	5.8	U	5.8	12	1
12925	Ethylene glycol	107-21-1	5.8	U	5.8	12	1
12925	Propylene glycol	57-55-6	5.8	U	5.8	12	1

*=This limit was used in the evaluation of the final result

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

Sample Description: SSP14-MA-SS-2 Soil
SOIL 2014

LL Sample # SW 7700505
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/kg**		**mg/kg**	**mg/kg**	
12925	Triethylene glycol	112-27-6	5.8	U	5.8	12	1
Metals	**SW-846 6010C**		**mg/kg**		**mg/kg**	**mg/kg**	
06946	Barium	7440-39-3	48.3		0.0378	1.15	1
06947	Beryllium	7440-41-7	1.14	J	0.0767	1.15	1
06949	Cadmium	7440-43-9	0.395	J	0.0378	1.15	1
06951	Chromium	7440-47-3	12.3		0.126	3.44	1
06952	Cobalt	7440-48-4	2.99		0.110	1.15	1
06953	Copper	7440-50-8	14.1		0.378	2.29	1
06961	Nickel	7440-02-0	9.89		0.172	2.29	1
06966	Silver	7440-22-4	36.5		0.218	1.15	1
06969	Tin	7440-31-5	3.03	J	0.492	22.9	1
06971	Vanadium	7440-62-2	17.5		0.104	1.15	1
06972	Zinc	7440-66-6	175		1.49	22.9	5
	SW-846 6020A		**mg/kg**		**mg/kg**	**mg/kg**	
06124	Antimony	7440-36-0	0.859		0.0967	0.458	2
06125	Arsenic	7440-38-2	2.95		0.0978	0.916	2
06135	Lead	7439-92-1	16.7		0.0147	0.458	2
06141	Selenium	7782-49-2	0.586	J	0.115	0.916	2
06145	Thallium	7440-28-0	0.350		0.0344	0.229	2
	SW-846 7471B		**mg/kg**		**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.0607	J	0.0116	0.233	1
Wet Chemistry	**SM 2540 G-1997**		**%**		**%**	**%**	
00111	Moisture	n.a.	14.4		0.50	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 13:00	Chelsea B Stong	0.95
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/02/2014 14:32	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/02/2014 14:32	Client Supplied	1

*=This limit was used in the evaluation of the final result

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Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

Sample Description: SSP14-MA-SS-2 Soil
SOIL 2014

LL Sample # SW 7700505
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

Submitted: 12/05/2014 22:25
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CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/02/2014	14:32	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/15/2014	23:57	Catherine E Bachman	5
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014	09:44	Linda M Hartenstine	20
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014	09:30	David S Schrum	1
10736	PCBs	SW-846 8082	1	143430016A	12/11/2014	16:20	Jessica L Miller	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143430016A	12/10/2014	02:15	Sherry L Morrow	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/10/2014	02:14	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143430033A	12/09/2014	20:10	Tyler O Griffin	1
06946	Barium	SW-846 6010C	1	143430637001	12/11/2014	10:52	Joanne M Gates	1
06947	Beryllium	SW-846 6010C	1	143430637001	12/11/2014	10:52	Joanne M Gates	1
06949	Cadmium	SW-846 6010C	1	143430637001	12/11/2014	10:52	Joanne M Gates	1
06951	Chromium	SW-846 6010C	1	143430637001	12/11/2014	10:52	Joanne M Gates	1
06952	Cobalt	SW-846 6010C	1	143430637001	12/11/2014	10:52	Joanne M Gates	1
06953	Copper	SW-846 6010C	1	143430637001	12/11/2014	10:52	Joanne M Gates	1
06961	Nickel	SW-846 6010C	1	143430637001	12/11/2014	10:52	Joanne M Gates	1
06966	Silver	SW-846 6010C	1	143430637001	12/11/2014	10:52	Joanne M Gates	1
06969	Tin	SW-846 6010C	1	143430637001	12/11/2014	10:52	Joanne M Gates	1
06971	Vanadium	SW-846 6010C	1	143430637001	12/11/2014	10:52	Joanne M Gates	1
06972	Zinc	SW-846 6010C	1	143430637001	12/12/2014	16:51	Katlin N Cataldi	5
06124	Antimony	SW-846 6020A	1	143430637001A	12/11/2014	07:22	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143430637001A	12/11/2014	07:22	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143430637001A	12/11/2014	07:22	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143430637001B	12/11/2014	07:22	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143430637001A	12/11/2014	07:22	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143430638001	12/11/2014	06:33	Damary Valentin	1
10637	SW SW846 (IV)ICP/ICPMS Digest	SW-846 3050B	1	143430637001	12/10/2014	08:05	Christopher M Klumpp	1
10638	SW SW846 (IV) Hg Digest	SW-846 7471B	1	143430638001	12/10/2014	09:36	Christopher M Klumpp	1
00111	Moisture	SM 2540 G-1997	2	14346820002A	12/12/2014	11:22	William C Schwebel	1

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MS Soil
SOIL 2014

LL Sample # SW 7700506
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/kg	ug/kg	ug/kg	
10237	Acetone	67-64-1	170	7	21	0.89
10237	Acetonitrile	75-05-8	140	24	96	0.82
10237	Acrolein	107-02-8	150	21	100	0.89
10237	Acrylonitrile	107-13-1	88	4	21	0.89
10237	Allyl Chloride	107-05-1	19	1	5	0.89
10237	Benzene	71-43-2	21	0.5	5	0.89
10237	Bromodichloromethane	75-27-4	20	1	5	0.89
10237	Bromoform	75-25-2	17	1	5	0.89
10237	Bromomethane	74-83-9	18	2	5	0.89
10237	2-Butanone	78-93-3	140	4	10	0.89
10237	Carbon Disulfide	75-15-0	20	1	5	0.89
10237	Carbon Tetrachloride	56-23-5	21	1	5	0.89
10237	2-Chloro-1,3-butadiene	126-99-8	21	1	5	0.89
10237	Chlorobenzene	108-90-7	21	1	5	0.89
10237	Chloroethane	75-00-3	16	2	5	0.89
10237	Chloroform	67-66-3	21	1	5	0.89
10237	Chloromethane	74-87-3	19	2	5	0.89
10237	1,2-Dibromo-3-chloropropane	96-12-8	16	2	5	0.89
10237	Dibromochloromethane	124-48-1	21	1	5	0.89
10237	1,2-Dibromoethane	106-93-4	21	1	5	0.89
10237	Dibromomethane	74-95-3	20	1	5	0.89
10237	trans-1,4-Dichloro-2-butene	110-57-6	130	10	52	0.89
10237	Dichlorodifluoromethane	75-71-8	23	2	5	0.89
10237	1,1-Dichloroethane	75-34-3	20	1	5	0.89
10237	1,2-Dichloroethane	107-06-2	22	1	5	0.89
10237	1,1-Dichloroethene	75-35-4	21	1	5	0.89
10237	cis-1,2-Dichloroethene	156-59-2	21	1	5	0.89
10237	trans-1,2-Dichloroethene	156-60-5	22	1	5	0.89
10237	1,2-Dichloropropane	78-87-5	20	1	5	0.89
10237	cis-1,3-Dichloropropene	10061-01-5	19	1	5	0.89
10237	trans-1,3-Dichloropropene	10061-02-6	21	1	5	0.89
10237	Ethyl Methacrylate	97-63-2	20	1	5	0.89
10237	Ethylbenzene	100-41-4	22	1	5	0.89
10237	2-Hexanone	591-78-6	74	3	10	0.89
10237	Isobutyl Alcohol	78-83-1	480	100	260	0.89
10237	Methacrylonitrile	126-98-7	160	5	52	0.89
10237	Methyl Iodide	74-88-4	20	3	5	0.89
10237	Methyl Methacrylate	80-62-6	21	1	5	0.89
10237	4-Methyl-2-pentanone	108-10-1	73	3	10	0.89
10237	Methylene Chloride	75-09-2	19	2	5	0.89
10237	Pentachloroethane	76-01-7	24	1	5	0.89
10237	Propionitrile	107-12-0	160	31	100	0.89
10237	Styrene	100-42-5	21	1	5	0.89
10237	1,1,1,2-Tetrachloroethane	630-20-6	20	1	5	0.89
10237	1,1,2,2-Tetrachloroethane	79-34-5	22	1	5	0.89
10237	Tetrachloroethene	127-18-4	22	1	5	0.89
10237	Toluene	108-88-3	23	1	5	0.89
10237	1,1,1-Trichloroethane	71-55-6	20	1	5	0.89
10237	1,1,2-Trichloroethane	79-00-5	21	1	5	0.89
10237	Trichloroethene	79-01-6	22	1	5	0.89
10237	Trichlorofluoromethane	75-69-4	26	2	5	0.89

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MS Soil
SOIL 2014

LL Sample # SW 7700506
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	1,2,3-Trichloropropane	96-18-4	25		1	5	0.89
10237	Vinyl Acetate	108-05-4	74		2	10	0.82
10237	Vinyl Chloride	75-01-4	22		1	5	0.89
10237	Xylene (Total)	1330-20-7	64		1	5	0.89
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	2,500		19	99	5
10726	Acenaphthylene	208-96-8	2,100		19	99	5
10726	Acetophenone	98-86-2	1,500		97	190	5
10726	2-Acetylaminofluorene	53-96-3	1,500		390	970	5
10726	4-Aminobiphenyl	92-67-1	970	U	970	2,900	5
10726	Aniline	62-53-3	970	U	970	2,900	5
10726	Anthracene	120-12-7	5,200		19	99	5
10726	Benzo(a)anthracene	56-55-3	12,000		19	99	5
10726	Benzo(a)pyrene	50-32-8	9,800		19	99	5
10726	Benzo(b)fluoranthene	205-99-2	12,000		19	99	5
10726	Benzo(g,h,i)perylene	191-24-2	7,000		19	99	5
10726	Benzo(k)fluoranthene	207-08-9	6,400		19	99	5
10726	Benzyl alcohol	100-51-6	1,600	J	970	2,900	5
10726	1,1'-Biphenyl	92-52-4	1,500		97	190	5
10726	4-Bromophenyl-phenylether	101-55-3	1,400		97	190	5
10726	Butylbenzylphthalate	85-68-7	1,600		390	970	5
10726	Di-n-butylphthalate	84-74-2	1,500		390	970	5
10726	4-Chloro-3-methylphenol	59-50-7	1,500		97	190	5
10726	4-Chloroaniline	106-47-8	710		97	190	5
10726	Chlorobenzilate	510-15-6	1,600		190	970	5
10726	bis(2-Chloroethoxy)methane	111-91-1	1,300		97	190	5
10726	bis(2-Chloroethyl)ether	111-44-4	1,400		97	190	5
10726	bis(2-Chloroisopropyl)ether	39638-32-9	1,400		97	190	5
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10726	2-Chloronaphthalene	91-58-7	1,400		41	190	5
10726	2-Chlorophenol	95-57-8	1,600		97	190	5
10726	4-Chlorophenyl-phenylether	7005-72-3	1,500		97	190	5
10726	Chrysene	218-01-9	10,000		19	99	5
10726	Diallate TRANS/CIS	2303-16-4	1,500		190	970	5
10726	Dibenz(a,h)anthracene	53-70-3	3,700		19	99	5
10726	Dibenzofuran	132-64-9	2,000		97	190	5
10726	1,2-Dichlorobenzene	95-50-1	1,500		97	190	5
10726	1,3-Dichlorobenzene	541-73-1	1,500		97	190	5
10726	1,4-Dichlorobenzene	106-46-7	1,400		97	190	5
10726	3,3'-Dichlorobenzidine	91-94-1	870	J	580	1,900	5
10726	2,4-Dichlorophenol	120-83-2	1,400		97	190	5
10726	2,6-Dichlorophenol	87-65-0	1,400		97	190	5
10726	Diethylphthalate	84-66-2	1,400		390	970	5
10726	Dimethoate	60-51-5	1,200	J	970	2,900	5
10726	p-Dimethylaminoazobenzene	60-11-7	1,600		390	970	5
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	1,600		97	190	5
10726	3,3'-Dimethylbenzidine	119-93-7	2,900	U	2,900	5,800	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MS Soil
SOIL 2014

LL Sample # SW 7700506
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	2,4-Dimethylphenol	105-67-9	1,400		97	190	5
10726	Dimethylphthalate	131-11-3	1,400		390	970	5
10726	4,6-Dinitro-2-methylphenol	534-52-1	970	U	970	2,900	5
10726	1,3-Dinitrobenzene	99-65-0	1,200		390	970	5
10726	2,4-Dinitrophenol	51-28-5	1,700	U	1,700	5,800	5
10726	2,4-Dinitrotoluene	121-14-2	1,300		390	970	5
10726	2,6-Dinitrotoluene	606-20-2	1,400		97	190	5
10726	1,4-Dioxane	123-91-1	1,000	J	580	1,900	5
10726	Diphenyl ether	101-84-8	1,900		97	190	5
10726	Ethyl methanesulfonate	62-50-0	1,100		390	970	5
10726	bis(2-Ethylhexyl)phthalate	117-81-7	1,700		390	990	5
10726	Fluoranthene	206-44-0	19,000		19	99	5
10726	Fluorene	86-73-7	3,100		19	99	5
10726	Hexachlorobenzene	118-74-1	1,400		19	99	5
10726	Hexachlorobutadiene	87-68-3	1,400		97	190	5
10726	Hexachlorocyclopentadiene	77-47-4	970	U	970	2,900	5
10726	Hexachloroethane	67-72-1	1,100		190	970	5
10726	Hexachloropropene	1888-71-7	580	U	580	1,900	5
10726	Indeno(1,2,3-cd)pyrene	193-39-5	6,700		19	99	5
10726	Isodrin	465-73-6	1,500		97	190	5
10726	Isophorone	78-59-1	1,400		97	190	5
10726	Isosafrole	120-58-1	1,500		390	970	5
10726	Methapyrilene	91-80-5	9,700	U	9,700	29,000	5
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	580	J	190	970	5
10726	3-Methylcholanthrene	56-49-5	2,000		97	190	5
10726	2-Methylnaphthalene	91-57-6	1,600		19	99	5
10726	2-Methylphenol	95-48-7	1,700		97	190	5
10726	4-Methylphenol	106-44-5	1,600		97	190	5
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10726	Naphthalene	91-20-3	1,900		19	99	5
10726	1,4-Naphthoquinone	130-15-4	4,800	U	4,800	19,000	5
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	1,200	J	970	2,900	5
10726	2-Naphthylamine	91-59-8	970	U	970	2,900	5
10726	2-Nitroaniline	88-74-4	1,500		97	190	5
10726	3-Nitroaniline	99-09-2	1,200		390	970	5
10726	4-Nitroaniline	100-01-6	1,300		390	970	5
10726	Nitrobenzene	98-95-3	1,300		97	190	5
10726	5-Nitro-o-toluidine	99-55-8	970	U	970	2,900	5
10726	2-Nitrophenol	88-75-5	1,400		97	190	5
10726	4-Nitrophenol	100-02-7	1,300	J	970	2,900	5
10726	4-Nitroquinoline-1-oxide	56-57-5	1,900	U	1,900	5,800	5
10726	N-Nitrosodiethylamine	55-18-5	1,500		97	190	5
10726	N-Nitrosodimethylamine	62-75-9	1,400		390	970	5

*=This limit was used in the evaluation of the final result

Sample Description: SSP14-MA-SS-2 MS Soil
SOIL 2014

LL Sample # SW 7700506
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	N-Nitrosodi-n-butylamine	924-16-3	1,200		390	970	5
10726	N-Nitroso-di-n-propylamine	621-64-7	1,500		97	190	5
10726	N-Nitrosodiphenylamine	86-30-6	1,500		97	190	5
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10726	N-Nitrosomethylethylamine	10595-95-6	1,400		390	970	5
10726	N-Nitrosomorpholine	59-89-2	1,500		390	970	5
10726	N-Nitrosopiperidine	100-75-4	1,400		97	190	5
10726	N-Nitrosopyrrolidine	930-55-2	1,500		97	190	5
10726	Di-n-octylphthalate	117-84-0	1,500		390	970	5
10726	Pentachlorobenzene	608-93-5	1,400		97	190	5
10726	Pentachloronitrobenzene	82-68-8	1,400		390	970	5
10726	Pentachlorophenol	87-86-5	1,100		190	990	5
10726	Phenacetin	62-44-2	1,400		390	970	5
10726	Phenanthrene	85-01-8	13,000		19	99	5
10726	Phenol	108-95-2	1,600		97	190	5
10726	1,4-Phenylenediamine	106-50-3	68,000	U	68,000	190,000	5
10726	2-Picoline	109-06-8	1,400	J	580	1,900	5
10726	Pronamide	23950-58-5	1,400		190	970	5
10726	Pyrene	129-00-0	16,000		19	99	5
10726	Pyridine	110-86-1	1,400		390	970	5
10726	Safrole	94-59-7	1,400		390	970	5
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	1,400		97	190	5
10726	2,3,4,6-Tetrachlorophenol	58-90-2	1,200		390	970	5
10726	Tetraethyldithiopyrophosphate	3689-24-5	1,300		390	970	5
10726	Thionazin	297-97-2	1,500		390	970	5
10726	o-Toluidine	95-53-4	1,200	U	1,200	3,900	5
10726	1,2,4-Trichlorobenzene	120-82-1	1,500		97	190	5
10726	2,4,5-Trichlorophenol	95-95-4	1,400		97	190	5
10726	2,4,6-Trichlorophenol	88-06-2	1,300		97	190	5
10726	O,O,O-Triethylphosphorothioate	126-68-1	1,300		390	970	5
10726	1,3,5-Trinitrobenzene	99-35-4	1,200	J	970	2,900	5
Pesticides/PCBs	**SW-846 8082**		**ug/kg**		**ug/kg**	**ug/kg**	
10736	PCB-1016	12674-11-2	280		4.2	20	1
10736	PCB-1221	11104-28-2	5.3	U	5.3	20	1
10736	PCB-1232	11141-16-5	9.3	U	9.3	20	1
10736	PCB-1242	53469-21-9	3.8	U	3.8	20	1
10736	PCB-1248	12672-29-6	3.8	U	3.8	20	1
10736	PCB-1254	11097-69-1	190		3.8	20	1
10736	PCB-1260	11096-82-5	180		5.7	20	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/kg**		**mg/kg**	**mg/kg**	
12925	Diethylene glycol	111-46-6	170		5.8	12	1
12925	Ethylene glycol	107-21-1	210		5.8	12	1
12925	Propylene glycol	57-55-6	220		5.8	12	1
12925	Triethylene glycol	112-27-6	130		5.8	12	1

*=This limit was used in the evaluation of the final result

eurofins
Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

Sample Description: SSP14-MA-SS-2 MS Soil
SOIL 2014

LL Sample # SW 7700506
LL Group # 1523521
Account # 06643

Project Name: BRE - SOIL

Collected: 12/02/2014 14:32 by KS

Submitted: 12/05/2014 22:25
Reported: 12/19/2014 08:54

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

MASS2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/kg**	**mg/kg**	**mg/kg**	
06946	Barium	7440-39-3	277	0.0378	1.15	1
06947	Beryllium	7440-41-7	6.95	0.0767	1.15	1
06949	Cadmium	7440-43-9	5.74	0.0378	1.15	1
06951	Chromium	7440-47-3	36.3	0.126	3.44	1
06952	Cobalt	7440-48-4	59.7	0.110	1.15	1
06953	Copper	7440-50-8	43.3	0.378	2.29	1
06961	Nickel	7440-02-0	69.3	0.172	2.29	1
06966	Silver	7440-22-4	35.9	0.218	1.15	1
06969	Tin	7440-31-5	426	0.492	22.9	1
06971	Vanadium	7440-62-2	85.4	0.104	1.15	1
06972	Zinc	7440-66-6	250	1.49	22.9	5
	SW-846 6020A		**mg/kg**	**mg/kg**	**mg/kg**	
06124	Antimony	7440-36-0	2.08	0.0967	0.458	2
06125	Arsenic	7440-38-2	6.35	0.0978	0.916	2
06135	Lead	7439-92-1	25.4	0.0147	0.458	2
06141	Selenium	7782-49-2	3.83	0.115	0.916	2
06145	Thallium	7440-28-0	1.13	0.0344	0.229	2
	SW-846 7471B		**mg/kg**	**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.213 J	0.0116	0.232	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	**%**	
00118	Moisture	n.a.	14.4	0.50	0.50	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 13:23	Chelsea B Stong	0.89
10237	APPIX Volatiles	SW-846 8260B	1	A143431AA	12/09/2014 14:08	Chelsea B Stong	0.82
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	1	201434036364	12/02/2014 14:32	Client Supplied	1
02392	GC/MS - Field Preserved NaHSO4	SW-846 5035A	2	201434036364	12/02/2014 14:32	Client Supplied	1
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201434036364	12/02/2014 14:32	Client Supplied	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14344SLB026	12/16/2014 00:22	Catherine E Bachman	5
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14344SLB026	12/11/2014 09:30	David S Schrum	1

*=This limit was used in the evaluation of the final result