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December 1, 2015

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Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area
Belle, West Virginia

Dear Mr. Weisbart:

Attached please find the *Comprehensive RCRA Facility Investigation (RFI) Report, Chemours Belle Plant Area, Belle, West Virginia.* AECOM, on behalf of The Chemours Company (Chemours), has prepared this report for the Chemours Belle Plant.

The purpose of this report is to present the results of the latest phase of investigation (Phase IV) along with previous RFI findings in one comprehensive document for the Plant Area. If you have any questions regarding this report, please contact me at 304-357-1319.

Sincerely,

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Environmental Consultant
Chemours Belle Plant

cc: Luis Pizarro, EPA Region 3
Tracy Jeffries, West Virginia Department of Environmental Protection (WVDEP)
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AECOM

Environment

Submitted on behalf of
The Chemours Company

Submitted by
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Comprehensive RCRA Facility Investigation Report

Chemours Belle Plant Area
Belle, West Virginia
Permit No. WVD 00-501-2851

Project #: 60389864 18986236.15003
November 2015

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Acronym List

Acronym	Explanation
µg/L	Micrograms per Liter
µg/m^3	Micrograms per Cubic Meter
ACH	Air Exchange Rate
ADQM	Analytical Data Quality Management
AOC	Area of Concern
bgs	Below Ground Surface
C&P	Chemical and Pigments
CCV	Continuing Calibration Verification
Chemours	The Chemours Company
CMS	Corrective Measure Study
COPC	Constituents of Potential Concern
CRG	Corporate Remediation Group
CSM	Conceptual Site Model
DAF	Dilution Attenuation Factor
DDR	DuPont Data Review
DERS	DuPont Environmental Remediation Services
DGI	Data Gap Investigation
DI	Delineation Investigation
DPE	Dual-Phase Extraction
DQO	Data Quality Objective
DRO	Diesel Range Organics
DuPont	E.I. du Pont de Nemours and Company
DVM	Data Validation Module
EC	Electrical Conductivity
EI	Environmental Indicator
EPA	U.S. Environmental Protection Agency
FDGI	Final Data Gap Investigation
FID	Flame Ionization Detector
GC/MS	Gas Chromatograph/Mass Spectral
GRO	Gasoline Range Organics
HASP	Health and Safety Plan
HCO	Hydrogen and Carbon Monoxide
HPCDF	Heptachlorodibenzofuran
HSWA	Hazardous and Solid Waste
HXCDF	Hexachlorodibenzofuran
ICV	Initial Calibration Verification
IH	Industrial Hygiene
IM	Interim Measure
IRIS	Integrated Risk Information System
IRM	Interim Remedial Measure
ITRC	Interstate Technology and Regulatory Council
J&E	Johnson and Ettinger
LCS	Laboratory Control Spike
LCSD	Laboratory Control Spike Duplicate
MCL	Maximum Contaminant Level
MDA	Methylene Dianiline
MDEQ	Michigan Department of Environmental Quality

Acronym	Explanation
MDL	Method Detection Limit
mg/kg	Milligrams per Kilogram
MIPS	Membrane Interface Probe System
MS	Matrix Spike
MSD	Matrix Spike Duplicate
msl	Mean Sea Level
ng/kg	Nanograms per Kilogram
NIOSH	National Institute of Occupational Safety and Health
NPDES	National Pollutant Discharge Elimination System
NRWQC	National Recommended Water Quality Criteria
OCDF	Octachlorodibenzofuran
OSD	Operating Services Department
OSHA	Occupational Safety and Health Administration
PACM	Bis(p-aminocyclohexyl) methane
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PEL	Permissible Exposure Limit
PID	Photoionization Detector
PPE	Personal Protective Equipment
PQL	Practical Quantitation Limit
PRG	Preliminary Remediation Goal
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
Qsoil	Soil Gas Advection Rate
RA	Release Assessment
RCRA	Resource Conservation and Recovery Act
RfD	Reference Dose
RFI	RCRA Facility Investigation
SBU	Secondary-Butyl Urea
SCS	Soil Conservation Service
SDG	Sample Delivery Group
SL	Screening Level
SLM	Small Lots Manufacturing
SSL	Soil Screening Level
SSS	Sodium Styrene Sulfonate
SVOC	Semi-Volatile Organic Compound
SWMU	Solid Waste Management Unit
TCE	Trichloroethylene
TEF	Toxicity Equivalency Factors
TEQ	Toxicity Equivalency
TOC	Total Organic Carbon
TPH	Total Petroleum Hydrocarbons
UST	Underground Storage Tank
UTL	Upper Tolerance Limit
VISL	Vapor Intrusion Screening Levels
VOC	Volatile Organic Compound
WCS	Wastewater Collection System
WHO	World Health Organization
WVDEP	West Virginia Department of Environmental Protection
WVDNR	West Virginia Division of Natural Resources

Acronym	Explanation
WVWQS	West Virginia Water Quality Standards
WWTP	Wastewater Treatment Plant

Executive Summary

AECOM (formerly known as URS Corporation), on behalf of The Chemours Company (Chemours), has prepared this Comprehensive Resource Conservation Recovery Act (RCRA) Facility Investigation Report (RFI) for the Chemours Belle Plant. The Belle Plant is located in Kanawha County, West Virginia, eight miles southeast of Charleston, along Route 60. The site covers 723 acres located on the north bank of the Kanawha River. The Belle Plant is divided into two areas, the Plant Area and the Mountain Area. The purpose of this report is to present the results of the latest phase of investigation (Phase IV) along with previous RFI findings in one comprehensive document for the Plant Area.

The overall purpose of an RFI is to determine whether there has been a release of hazardous wastes or hazardous constituents from regulated units, solid waste management units (SWMUs), and other source areas at the facility. If a release is identified, the nature and extent of releases are determined. Environmental data collected as part of the investigation are evaluated to determine whether any remedial action is needed to be protective of human health or the environment. As presented in the *Phase I RFI Work Plan* [E. I. du Pont de Nemours and Company (DuPont) Corporate Remediation Group (CRG), 2000], Long-term objectives and short-term objectives of the RFI include the following:

- Characterize groundwater quality and migration of constituents in groundwater.
- Identify the significant sources of releases to groundwater.
- Characterize the impacts of releases to other environmental media.
- Evaluate potential exposures and risk to humans and to significant ecological receptors under current and reasonably anticipated future land use.
- Support selection of interim remedial measures (IRMs) and long-term remedies to meet Environmental Indicators (EIs) for the site and provide long-term protection of human health and the environment.

These objectives were met over the course of a multi-phase RFI and corrective action program. Phases I, II, part of IIIA, and IV included investigation of the Plant Area. Specific objectives were also established during each phase of the investigation.

Over the four phases of investigation conducted at the Plant Area, all solid waste management units (SWMUs), areas of concern (AOCs), and areas requiring investigation have been fully investigated for releases and potential impact to human health and the environment. A review of the investigation findings presented in this report concludes that the RFI is considered to be complete. Characterization of the SWMUs, AOCs, and other areas has been completed for the purposes of evaluating the potential for releases to the environment; updating the conceptual site model (CSM); and, evaluating the need for a Corrective Measures Study (CMS). Although the characterization is complete, there is the potential for future data needs to be identified in preparation for a CMS.

Based upon the conclusions presented above, the following recommendations are presented:

- The following units or areas with identified releases to soil or groundwater are recommended for further evaluation in the CMS: SWMUs 32-35, 54, 58, 72, 79, 115, 121, 122, 148, 150, 153, 154, 158, 191, and 192; AOCs A (former Benzol

Process Area portion), E and G; the former Methylene Dianiline area (MDA Area) and Small Lots Manufacturing area (SLM Area) (and associated SWMUs – SWMUs 64, 67, 97, 105, 106, 109, and 149); and the former Sodium Styrene Sulfonate area (SSS Area).

- The sewer lines and pumping stations (SWMU145, 146, 147, 151, 152, 154, 155 and 157) are also recommended to be evaluated further in the CMS as potential source areas for releases to groundwater.
- A release to soil or groundwater is not indicated at SWMUs 41A, 48, 53, 73-76, 80, 160, 161, 189 and 190, AOC A (former Coke Plant portion), and AOC F. No further action is recommended for these units. In addition, the six SWMUs within the former SSS Area (SWMUs 1, 5, 6, 7, 9, and 10), which were identified as no further investigation in the Decision Tree Evaluation Process and the permit, are also recommended as no further action.
- No further investigation of site groundwater as part of a RFI is recommended. However, it is recommended that the current groundwater monitoring program continue on a three-year monitoring cycle as proposed in the 2008 Phase IIIA Work Plan Addendum. Plant Area groundwater is also recommended for further evaluation in the CMS.
- Five IRMs have been implemented at the Plant Area. The Injection Well Closure (SWMUs 183 and 184), the Process Sewer Upgrade, and the B-Plant Trench and Sump System Closure are recommended for inclusion in the CMS as proposed final remedial measures. The other two IRMs, the two dual-phase extraction (DPE) systems in the former Benzol Process Area and in the former SSS Area, are recommended for further evaluation in the CMS.

1.0 Introduction

AECOM (formerly known as URS Corporation), on behalf of The Chemours Company (Chemours), has prepared this Comprehensive Resource Conservation Recovery Act (RCRA) Facility Investigation Report (RFI) for the Chemours Belle Plant. The Belle Plant is located in Kanawha County, West Virginia, eight miles southeast of Charleston, along Route 60. The site covers 723 acres located on the north bank of the Kanawha River. The Belle Plant is divided into two areas: the Plant Area and the Mountain Area, based on topography and land use (see Figure 1.1). The Plant Area is the focus of this report (see Figure 1.2).

In September 1998, the U.S. Environmental Protection Agency (EPA) issued the Corrective Action portion [Hazardous and Solid Waste Amendments (HSWA) permit] of the RCRA Permit (Permit No. WVD 00-501-2851) for the Chemours Belle Plant. The permit requires Chemours to conduct an RFI at the plant.

1.1 Background

This report summarizes findings from all previous phases of the RFI that included the Plant Area (Phases I, II, and part of IIIA) and presents the results of the recently completed Phase IV investigation in detail.

1.2 RFI Goals and Objectives

The overall purpose of an RFI is to determine whether there has been a release of hazardous wastes or hazardous constituents from regulated units, solid waste management units, and other source areas at the facility. If a release is identified, the nature and extent of releases are determined. Environmental data collected as part of the investigation are evaluated to determine whether any remedial action is needed to be protective of human health or the environment.

Long-term objectives and short-term objectives of the RFI were presented in the *Phase I RFI Work Plan* [E.I. du Pont de Nemours and Company (DuPont) Corporate Remediation Group (CRG), 2000] and include the following:

- Characterize groundwater quality and migration of constituents in groundwater.
- Identify the significant sources of releases to groundwater.
- Characterize the impacts of releases to other environmental media.
- Evaluate potential exposures and risk to humans and to significant ecological receptors under current and reasonably anticipated future land use.
- Support selection of interim remedial measures (IRMs) and long-term remedies to meet Environmental Indicators (EIs) for the site and provide long-term protection of human health and the environment.

These objectives were met over the course of a multi-phase RFI and corrective action program. Phases I, II, part of IIIA, and IV included investigation of the Plant Area. Specific objectives for each of the Phases I, II, and IIIA were provided in their respective work plans and reports DuPont CRG, 2000; DuPont CRG, 2002a and 2002b; DuPont CRG, 2003a; DuPont CRG, 2007; and DuPont CRG, 2009).

The Phase IV RFI was completed in several mobilizations during 2012, 2013, and 2014. Specific objectives of the Phase IV RFI were as follows:

- Sample soil, sediment, and groundwater, as appropriate, in the vicinity of the 35 solid waste management units (SWMUs) and four areas of concern (AOCs) identified to determine whether releases have occurred.
- Determine the nature and extent of any identified releases associated with past waste management practices at SWMUs and AOCs.
- Evaluate potential risk to human health and the environment from releases identified at corrective action units during this investigation.
- Collect additional information to update the conceptual site model (CSM).

The technical approach to achieve these objectives is detailed in Sections 3.0 and 4.0.

1.3 Conceptual Site Model

The permit administratively breaks the RCRA units into individual SWMUs and AOCs. Information from these individual units, along with more general site data, has been incorporated into a site-wide CSM. The CSM is developed from information on potential sources, physicochemical characteristics, potential constituent release mechanisms, potential environmental pathways, and potential receptors. The CSM is dynamic and should be tested and refined from its original state as information, collected in a phased approach, is incorporated into it.

A preliminary CSM was previously presented in Section 7.0 of the *Current Conditions Report* (CCR; DuPont CRG, 1999). The revised CSM, using data collected from the RFI, is presented in Section 6.0.

1.4 Comprehensive RFI Report Organization

The remainder of this report is organized into the following sections:

- Section 2.0 describes the site background and setting including the facility description and manufacturing history, the environmental setting, hydrology, geology, hydrogeology, groundwater use, and current and future land use.
- Section 3.0 presents the RCRA regulatory history for the Plant Area including previous investigations, the Decision Tree Evaluation Process and process areas requiring additional investigation during Phase IV, and the current status of IRMs in the Plant Area.
- Section 4.0 summarizes Phase IV RFI technical approach, including the deviations from the work plan and data quality evaluation for all phases of the RFI conducted in the Plant Area.
- Section 5.0 presents the RFI results, focusing on the Phase IV results but also presenting results from previous phases of the RFI, as appropriate.
- Section 6.0 presents the CSM, including the conceptual hydrogeological model, potential source areas, COPCs, primary transport mechanisms, potential receptors, potential exposure points, and significant pathways.
- Section 7.0 summarizes the RFI conclusions and the path forward.
- Section 8.0 lists the references cited in this report.

2.0 Site Background and Setting

Information regarding the facility description and manufacturing history, the environmental settling, and hydrology, geology and hydrogeology, groundwater use, and current and future land use is provided in the following subsections. This information is presented to provide a framework to evaluate the RFI results.

2.1 Facility Description and Manufacturing History

The first documented land use at the Belle Plant can be traced back to the early 1920s when the property existed as a farm and orchard. Much of the Kanawha Valley in the early 20th century was initially developed for agriculture. For a short time in the 1920s, the property was owned by the Charleston Chemical Company, which produced acetic anhydride.

DuPont purchased the site in April 1925 and began construction of the nation's first commercial ammonia plant. The Belle Plant began manufacturing ammonia in April 1926, under the name of Lazote, Inc., using a process of high pressure and temperature catalytic synthesis.

The availability of high-pressure technology and local coal supplies quickly led to the development of other chemical process units on-site. Coal and air were processed to extract chemical building blocks such as hydrogen, carbon monoxide, and carbon dioxide for ammonia. Methanol was made from natural gas. Methanol, ammonia, air, and water became the essential raw materials for reactions to create many combinations of chemical intermediate products. The Belle Plant produced and continues to produce a wide variety of industrial, agricultural, and biochemical products and intermediates. Figure 1.2 is an aerial photograph of the plant area in 2012 and shows the locations of manufacturing areas in the Plant Area existing at that time.

2.2 Environmental Setting

The Plant Area is located on the flat-lying Kanawha River alluvial terrace deposits. The elevation in the Plant Area is now essentially flat due to infilling of the low-lying areas and ranges from 605 to 610 feet above mean sea level (msl). The Plant Area's northern boundary is the Mountain Area of the site, while the southern boundary is the Kanawha River.

2.3 Hydrology

Surface-water runoff from the Plant Area is collected in storm sewers and discharged through National Pollutant Discharge Elimination System (NPDES)-permitted outfalls to Simmons Creek or to the Kanawha River.

Within the Plant Area, the natural drainage of Simmons Creek has been channelized to concrete conveyances and, as a result, does not provide any ecological habitat. The creek, along with receiving creek water from the Mountain Area, receives surface-water runoff and treated process water from the Plant Area. Simmons Creek flows across the Plant Area near the former Methylene Dianiline process area (MDA Area) and discharges into the Kanawha River (see Figure 1.2). The Kanawha River has an average pool elevation of 590 feet msl as it flows northwest past the Plant Area.

The river in the vicinity of the site is within Zone 1 and is classified by the State of West Virginia as Category B (for the propagation and maintenance of fish and other aquatic life) and Category C (for water contact recreation). It is not classified as a drinking-water supply.

2.4 Geology

The Plant Area geology is characterized by surficial fill underlain by unconsolidated, Pleistocene-age Kanawha River terrace deposits. The Kanawha Formation bedrock underlies the terrace deposits. Figure 2.1 shows the location of cross-sections drawn for the Plant Area. Nine cross-sections were updated or newly generated based on the Phase IV data. Four selected cross-sections are presented as Figure 2.2 (Cross Section A-A'), Figure 2.3 (Cross Section B-B'), Figure 2.4 (Cross Section H-H'), and Figure 2.5 (Cross Section I-I') to display general subsurface sequence at the Plant Area. The remaining cross sections are provided in Appendix A.

Surficial fill of varying thickness covers the surface of the Plant Area. The fill was used to level out the low-lying areas of the Belle Plant, thereby allowing the plant to expand in size over time. Fill thickness ranges 1 to 30 feet thick depending on location within the site. The surficial fill is represented in two cross sections that span the length of the site from west to east. Cross Section A-A' (see Figure 2.2) was constructed using soil boring information located along the Kanawha River. Cross Section B-B' (see Figure 2.3) was constructed using soil boring information at the more northern portion of the Plant Area but also parallel to the Kanawha River. As shown in Figure 2.2 and in the Simmons Creek area of the plant, the fill is over 30 feet thick. Much of the fill material was generated from coal burning at the Plant's powerhouse and the former coke plant. This fill material consisted of coal-fired boiler ash, coke fines, coke plant sludge, incinerator residue, organic wastes, and lime. Miscellaneous construction debris was also used as fill material.

The Kanawha River terrace deposits are characterized by three distinct stratigraphic sequences. The uppermost sequence contains sand and sandy-clay beds that range in thickness from 5 to 18 feet. This sequence consists of upper sand beds that become progressively finer with depth, grading to sandy-clay. These upper sand beds are contiguous with the upper fill material and are often observed to blend in with the boiler ash and cinders that comprise fill material. In many areas on-site, this sand sequence is absent or has been replaced with fill material. The middle stratigraphic sequence is a clay and silty-clay unit. The clay and silty-clay unit is absent in the vicinity of Simmons Creek, but increases to 35 feet thick under the central portion of the Plant Area. Cross section I-I' displays a large area at the southwest quarter of the site where the clay unit (and/or replaced clay-fill) is encountered at shallow depth below ground surface [1 to 4 feet below ground surface (bgs)] and is present down to the coarser bottom unit. The lower stratigraphic sequence of the Kanawha River terrace deposits is a sand and gravel unit. This sequence averages 10 to 15 feet in thickness and was deposited on top of the bedrock unit.

Depth to bedrock beneath the Plant Area averages 52 feet bgs. The bedrock underlying the Kanawha River terrace deposits belongs to the Kanawha Formation of the Pennsylvanian-age Pottsville series. The War Eagle Sandstone, a member of the Kanawha Formation, is present beneath the site underlying the Kanawha River terrace deposits. The War Eagle Sandstone unit is a fine- to coarse-grained, micaceous sandstone.

2.5 Hydrogeology

The Plant Area is underlain by two overburden aquifer flow zones and one bedrock aquifer (see Figure 2.2). The upper aquifer, a water-table aquifer, is designated the shallow overburden aquifer. This aquifer occurs in the saturated portion of the fill, sand, and sandy-clay just above the clay and silty-clay unit described above. The clay and silty-clay unit separates the shallow overburden aquifer from the deep overburden aquifer that occurs in the lower sand and gravel unit of the river terrace deposits. The deep overburden aquifer is completely saturated. The bedrock aquifer is a confined aquifer in the War Eagle Sandstone and underlies the deep overburden aquifer.

The shallow overburden aquifer is discontinuous at the site as indicated from boring logs and shown in cross sections (see Figures 2.4 and 2.5). Based on the subsurface information, two large areas located in central portions of the site are lacking the sand or granular fill materials that would comprise the shallow overburden flow zone. Figure 2.6 is a plan view map indicating the approximate extent of the shallow overburden aquifer and the portions of the site where the shallow overburden aquifer is absent and the clay and silty-clay unit is present near the ground surface. Depth to groundwater in the shallow overburden aquifer ranges from 3 to 18 feet. The hydraulic conductivity of the shallow overburden aquifer varies depending on the grain size of the aquifer material. The hydraulic conductivity ranges from 0.44 feet per day in the clayey-sand to 4.0 feet per day in the fill and fly ash [DuPont Environmental Remediation Services (DERS), 1992]. The average horizontal hydraulic gradient across the site within the shallow overburden aquifer is 0.008 feet/foot in a south-southwestern flow direction toward the Kanawha River. A generalized groundwater contour map for the shallow overburden aquifer, created from water level data collected in November 2014, is presented in Figure 2.7. The shallow overburden aquifer has the potential to discharge to the Kanawha River.

The deep overburden aquifer is confined by the overlying clay unit. This aquifer occurs in all areas beneath the Plant Area at a depth ranging from 35 to 52 feet. The deep overburden aquifer is hydraulically connected to the underlying bedrock aquifer, to Simmons Creek, and to the Kanawha River. Because the clay unit does not exist in the Simmons Creek area, only one aquifer—a combined shallow and deep overburden aquifer—exists at this location. A groundwater contour map for the deep overburden, created from water level data collected in May 2015, is presented in Figure 2.8. Groundwater generally flows west-southwest toward the Kanawha River in the deep overburden aquifer. The deep overburden appears to discharge to the Kanawha River. Historical water-level elevations in deep overburden wells indicate that the horizontal gradient can be very flat at certain times with an average horizontal gradient of 0.003 feet/foot. Kanawha River pool-level changes may account for the flat gradients in the near bank area.

The bedrock (War Eagle Sandstone) aquifer, a confined aquifer, underlies the deep overburden aquifer. The top of the War Eagle Sandstone aquifer appears at a depth of 52 to 56 feet. Groundwater flow in this fractured bedrock aquifer in the vicinity of the site is southwest toward the Kanawha River where it discharges. The hydraulic conductivity measured in the War Eagle Sandstone aquifer ranges from 0.0023 to 107 feet per day, depending on the extent of secondary permeability. This aquifer also extends underneath the Mountain Area.

2.6 Groundwater Use

Based on information in a well/water use survey completed in 2002, groundwater is not used for drinking water on or near the site, nor at Burning Springs Hollow located northwest of the Mountain Area. Moreover, the Kanawha River is not currently a drinking-water source in the Charleston area. Shallow overburden groundwater is used for drinking water in Upper Simmons Creek Hollow. However, the drinking water wells are located upgradient of the Plant Area.

2.7 Current and Future Land Use

The Chemours Belle Plant is located in a mixed industrial/residential area. The Plant Area is an active industrial facility, and this use will continue into the future. The Plant Area's southern boundary is the Kanawha River. Adjacent and immediately north of the Plant Area (on the opposite side of Route 60) is the Mountain Area. Former industrial land is present to the east, and residential land is located to the west.

3.0 RCRA Regulatory History

In September 1998, the EPA issued the Corrective Action portion (HSWA permit) of the RCRA Permit (Permit No. WVD 00-501-2851) to DuPont. The Corrective Action portion of the permit requires DuPont (now Chemours) to conduct investigations to determine whether corrective measures at the seven AOCs and 192 SWMUs are necessary. Most of these SWMUs and all AOCs (184 in total) are located in the Plant Area. The remaining 15 SWMUs are located in the Mountain Area. Detailed descriptions of individual SWMU/AOCs are presented in Table 1 in Appendix B. This section summarizes the RCRA Corrective Action activities completed for the Plant Area since the effective date of the permit (September 30, 1998), excluding the most recent phase of the RFI (Phase IV), which is presented in detail in Sections 4.0 and 5.0.

3.1 Phase I and Phase II RFI

The *Current Conditions Report* (DuPont CRG, 1999) presented the plant's history and waste management practices, information on SWMUs and AOCs, and the environmental setting and included a preliminary CSM. This report identified an area of volatile organic compound (VOC)-impacted shallow overburden groundwater in the Plant Area. The likely source of the impact was identified as the former Coke Plant and Benzol process area (identified as a portion of AOC A and shown in Figure 1.2) and investigation was proposed in the Phase I RFI Work Plan.

The Phase I RFI Work Plan was submitted to the EPA in February 2000 (DuPont CRG, 2000). In September 2000, EPA approved the work plan. The Phase I RFI activities included installing seven hydropunch locations and 12 monitoring wells near manufacturing areas, including the former Coke Plant and Benzol process area, and along the Kanawha River and sampling surface soil (seven locations) and subsurface soil (seven locations), and groundwater (35 wells in total). The results from the Phase I RFI were submitted in April 2002 (DuPont CRG, 2002a) and identified three locations in the Plant Area where organic compounds were detected in groundwater and additional investigation was recommended. These three locations included the former Sodium Styrene Sulfonate process area (also referred to as the former SSS Area), the MDA Area, and the former Small Lots Manufacturing (SLM) process area (SLM Area) (see Figure 1.2).

During 2002, remedial technologies were evaluated to remediate the known area of impacted soil and groundwater in the former Benzol process area and in the Southwest Seep Area (identified as AOC B), which are shown in Figure 1.2. In May 2002, a field pilot test of contaminant destruction through in-situ chemical oxidation was conducted. However, it had limited success due to the very tight soil conditions encountered in these areas. As a consequence, other remedial alternative approaches were evaluated. In December 2002, an air sparging pilot test was conducted, which also had limited success due to the tight soil conditions.

During this same timeframe, the Phase II RFI targeted the three locations within the Plant Area where organic compounds were detected in groundwater, the former SSS Area, the MDA Area, and the SLM Area. The *Phase II RFI Work Plan* was submitted to the EPA in November 2002 (DuPont CRG, 2002b). After EPA approval, the Phase II RFI work was implemented to identify the extent of impacted groundwater within these three areas and the potential source areas. Thirteen hydropunch locations were installed, and 11 soil samples and 13 groundwater samples were collected and analyzed. Elevated

concentrations of organic compounds were detected in the shallow overburden aquifer and soil near the former SSS Area. Limited areas of impact were also observed in groundwater near one well in the former MDA Area and at the SLM Area. The *Phase II RFI Investigation Report – Plant Area* was submitted in May 2003 (DuPont CRG, 2003a).

In July 2004, a dual-phase extraction (DPE) system was selected as a preferred remedial alternative for the former Benzol Process Area and at the former SSS Area, which was identified during the Phase II RFI as needing remediation (see Figure 1.2). In March 2005, DPE systems were in operation as an IRM. The current status of the DPE remediation is discussed further in Section 3.4.1.

The data generated during the Phase I and Phase II of the RFI, and other supporting information (including an environmental forensics study, combined with the groundwater modeling results and the Mountain and Plant Area groundwater quality data) were used to achieve a “YES” determination for the EI CA725 for current human exposures under control in December 2003 and a “YES” determination for the EI CA750 for migration of contaminated groundwater under control in September 2005 (DuPont CRG, 2003b and 2005).

3.2 Phase IIIA RFI

The Phase IIIA RFI focused primarily on assessing the northern part of the Mountain Area; however, additional sampling and analysis to evaluate current groundwater quality were completed at the Plant Area. In the *RFI Work Plan Addendum for Phase IIIA Plant Area Groundwater Sampling* (DuPont CRG, 2008), sampling of site-wide monitoring wells in the Plant Area every three years was proposed, starting with an event in 2008. Thirty-six monitoring wells (including three wells installed after the Phase II investigation for non-RCRA investigations) were sampled. The *Phase IIIA RFI Report* (DuPont CRG, 2009), which included the results from the 2008 sampling event, was submitted to the EPA in September 2009. The report concluded that, with few exceptions, concentrations of VOCs, semi-volatile organic compounds (SVOCs), total metals, and herbicides and pesticides measured in plant wells are stable or have decreased slightly from 2000/2001 to 2008. These results and results from the next two three-year sampling events (2011 and 2014) are discussed in Section 5.0.

3.3 Decision Tree Evaluation Process for SWMUs and AOCs and the Phase IV RFI

Prior to developing the Phase IV Work Plan (URS, 2012), a Decision Tree Evaluation Process was developed to determine the investigation status of each SWMU and AOC in the Plant Area and to identify those SWMUs and AOCs requiring investigation during Phase IV RFI. The Decision Tree Evaluation Process was submitted to the EPA and electronically approved on June 19, 2012. During this evaluation, each of the 184 units (SWMUs and AOCs) in the Plant Area was placed in one of the following categories as follows:

- No Further Action
- No Further Investigation Required (RFI complete)
- Investigation to be Deferred (until such time as it can be safely investigated)
- Investigation Needed (to be proposed in Phase IV RFI)

Based on the evaluation, 35 SWMUs and AOCs were identified for investigation needed as part of the Phase IV RFI and 11 SWMUs were identified as investigation to be deferred. The *Phase IV RFI Work Plan* (URS, 2012) describing the proposed investigation was submitted to and approved by EPA in December 2012 (EPA, 2012a). The Belle Plant Area Decision Tree Evaluation Process and results table are provided in Appendix B. The locations of these SWMUs, AOCs, and process areas are shown in Figure 1.2.

3.4 Interim Remedial Measures

The sections below summarize IRMs completed at the Plant Area. The locations of these IRMs are shown in Figure 1.2.

3.4.1 Dual-Phase Extraction Systems

The DPE systems in the former Benzol and SSS Areas[1] were implemented as voluntary measures to treat both impacted soils and groundwater. During operation of the DPE, groundwater and vapor removed during system operation were run through a vapor/liquid separator. The liquid phase was treated with granulated activated carbon prior to discharge to the plant's wastewater treatment system. Vapor phase was also treated with granulated activated carbon prior to discharge to the atmosphere.

Weekly air monitoring was performed to evaluate system operation and air permit compliance. On a quarterly basis, both groundwater and air samples were collected to evaluate the DPE system operations. Groundwater samples were collected from approximately eight monitoring wells from both work areas. The groundwater samples were collected from shallow overburden aquifer wells to monitor the progress of contaminant reduction throughout the former Benzol and SSS Areas. Groundwater results continue to show an overall decrease in contamination levels in both of these areas.

In May 2015, both systems were shut down due to maintenance issues and safety concerns. It was determined that the systems required significant upgrades and maintenance before the systems could be re-started. After conducting maintenance activities, the DPE system located at the Southwest Seep Area was restarted in September 2015. Several attempts to restart the DPE system at the former Sodium Styrene Sulfonate Area were unsuccessful, and additional troubleshooting activities were conducted prior to restarting the system in November 2015.

3.4.2 Injection Well Closure – SWMUs 183 and 184

SWMUs 183 and 184 are both injection wells located in the Plant Area that were used to inject brine into permitted injection zones. These two wells were grouted and closed in accordance with State of West Virginia requirements in November 1981 (SWMU 183) and June 1985 (SWMU 185). A permanent marker was installed to identify each well

[1] AOC B, the Southwest Groundwater Seep, is located within the former Benzol Process Area (a portion of AOC A). These AOCs were identified as no further investigation in the Decision Tree Evaluation and in Table 4 of the RCRA permit because of the installation of the DPE IRM. There are 11 SWMUs located within the former SSS Area (SWMUs 1, 4 through 12 and 14), all of which were also identified as no further action or no further investigation in the Decision Tree Evaluation and in Table 4 of the RCRA permit because of the installation of the DPE IRM.

location. In 2009, SWMU 184 was recapped due to damage. In addition to being listed as interim measures (IM) in the current RCRA permit, these two SWMUs are included in Table 4 of the RCRA Permit, which provides a list of all Plant Area No Further Action/No Further Investigation SWMUs and AOCs. The status has not changed since 2009.

3.4.3 Process Sewer Upgrade

The Plant Area has over 8,000 feet of underground process sewer lines, including numerous process sumps and manholes (SWMUs 145 through 158). The process sewers range in age from 20 to 70 years and handled many chemical process waste streams. In 1985, a comprehensive site groundwater protection plan was prepared in accordance with West Virginia Regulations. The underground process waste collection system was identified as having the highest potential to contaminate groundwater due to its age and difficulty in monitoring. The majority of underground process wastewater collection systems have been moved aboveground. During the upgrade projects, the Belle plant practice was to analyze soil from major excavations and to properly dispose of any soil that was contaminated. The Control Laboratory sink drains and a section of wastewater collection line are currently the only lines still in service.

3.4.4 B-Plant Trench and Sump System Closure

In 1996, as part of the Plant Area's renewal program, the facility initiated dismantlement activities of the B-Plant process area. To bring the building structure down safely, the trench and sump system (SWMU 122) required closure and backfilling. During the fall of 1996 and winter of 1997, the following activities were completed:

- All liquids were removed and sent to the wastewater treatment plant (WWTP).
- The sludges were consolidated and bulked with Portland cement and disposed of as non-hazardous waste.
- Trench walls and floors were steam cleaned, and any large cracks or openings were sealed with concrete.
- Trenches were then backfilled with a clean sand/gravel mix and graded.
- Backfilled areas were topped with 6 inches of crusher-run gravel and 3 inches of asphalt to bring the area flush with the existing floor.

Following closure of the trenches, the B-Plant building structure was dismantled from mid-1997 to mid-1998. The status has not changed since 1998.

4.0 Phase IV RFI Technical Approach

To meet the objectives of the Phase IV RFI, fieldwork was completed in several mobilizations during 2012, 2013, and 2014. The first mobilization included a release assessment (RA). The RA employed real-time data acquisition and analysis during boring advancement using a high resolution vertical profiling system [membrane interface probe system (MIPS)]. The MIPS was used to guide sample collection based on the identification of potential VOC and/or SVOC impacts and by the identification of zones of higher permeability, which may allow movement of constituents of concern in the subsurface. The RA was conducted between November 2012 and February 2013.

During reduction of data from the RA, it was determined that there was a lack of correlation between the MIPS results and analytes detected during soil sample analysis for many of the samples collected. As a result, a data gap investigation (DGI) was conducted in May 2013. During the DGI, soil samples were selected for resampling, and in some cases, groundwater and soil vapor were collected at selected locations and depths, based on the data gap to be filled.

The third mobilization consisted of the delineation investigation (DI), which focused on delineating any releases identified during the RA and DGI. In addition, further investigation of a previously identified release to groundwater in the SLM Area was also conducted. Also included was an investigation near monitoring well MW-70 in the MDA Area where releases to groundwater were previously identified in the Phase II RFI. Further, additional RA sampling was conducted for several SWMUs identified as Investigation Deferred in the Belle Plant Area Decision Tree Evaluation Process. The DI was conducted in November and December 2013.

The results from these investigations were evaluated, and additional data gaps were identified. As a result, the fourth mobilization [referred to as the Final Data Gap Investigation (FDGI)] was conducted in October and November 2014. The purpose of this final investigation was to further delineate releases identified during the DI and the SLM investigation.

In summary, Phase IV RFI field activities included the following:

- 52 MIPS borings were completed.
- 59 soil borings were completed.
- 35 hydropunch locations were completed.
- 18 temporary well points were installed.
- 184 surface and subsurface-soil samples (including duplicates) were collected.
- One soil vapor sample each was collected from two locations.
- 100 groundwater samples (including duplicates) were collected from 35 hydropunch locations, 18 temporary well points, and 45 monitoring wells.
- 14 sediment samples from 14 locations were collected.
- Water-level elevation measurements were taken.

The technical approach and methodology used to accomplish these tasks were presented in the following work plans and addendums:

- *Phase IV Work Plan*, DuPont Belle Plant, Belle, West Virginia (Revised Date December 5, 2012)

- *Phase IV Work Plan Addendum – Data Gap Investigation*, DuPont Belle Plant, Belle, West Virginia (April 2013)
- *Phase IV Work Plan Addendum – Delineation Investigation*, DuPont Belle Plant, Belle, West Virginia (October 2013)
- *Phase IV Work Plan Addendum – Final Data Gap Investigation*, DuPont Belle Plant, Belle, West Virginia (October 2014)

The *Phase IV Work Plan* was approved by Region 3 in the fourth quarter 2012 (EPA, 2012a). Addendums to the work plan were verbally discussed with EPA Region 3 during routine monthly status calls and did not require approval.

Any deviations from the work plan and addendums are provided in Section 4.1 where relevant. In addition, Section 4.2 presents a summary of the RFI quality assurance/quality control (QA/QC) program and the screening criteria used to evaluate the RFI analytical data.

4.1 Deviations from the Phase IV Work Plan

A summary of overall deviations from the work proposed in the various Phase IV RFI work plans are provided below:

- Not all proposed MIPS borings were advanced during the RA due to access constraints and underground obstructions encountered.
- Several sampling locations cleared by the geophysical survey were shifted due to refusal by underground obstructions. Several attempts were made to shift the locations to complete the borings. In some cases, shifting locations was successful and in other cases, it was not. At SWMU 192, MIPS was not used during boring installation and sample collection because scheduling of this work occurred after the MIPS was mobilized off-site.
- During the DGI and the DI, groundwater samples collected via hydropunch were not filtered in the field as proposed in the work plans due to low yield. Therefore, samples for dissolved metals groundwater analysis were not collected.

Additional details are provided in Section 5.0.

4.2 Phase IV Data Quality

The purpose of the RFI 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 *Quality Assurance Project Plan* (QAPP), originally included as Appendix D of the *Phase I RFI Work Plan* (DuPont CRG, 2000), lists the following DQOs: accuracy, precision, completeness, representativeness, and comparability.

To ensure that the DQO for comparability was satisfied, all sampling activities followed the standard operating procedures referenced above and in the various Phase IV work plans. Each sample was documented at the time of collection by the investigator. The sample quantity, type (i.e., composite or grab), and sample location were recorded in the field logbook. Sample containers were labeled with sample identification numbers, the time and date of collection, proposed laboratory analyses, and sampler's initials. Prior to dispatching the samples, chain-of-custody forms were completed, and the sample shipping cooler was secured with a custody seal.

During the RFIs, the following QA/QC samples were collected and analyzed to document sample integrity and field procedures:

- Trip blanks
- Equipment rinsate blanks
- Field duplicates
- Matrix spike (MS)/matrix spike duplicates (MSDs)

Laboratory method blanks were also prepared and analyzed along with the samples to monitor potential contamination as a result of the analytical process. In addition, laboratory control samples were prepared and analyzed along with the samples to monitor laboratory performance.

Analytical data collected during the investigations were reviewed in accordance with the In-House Data Review process to determine data usability. The data review is an internal review process used by the AECOM Analytical Data Quality Management Group (ADQM) to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software [Locus EIM™ database Data Validation Module (DVM)] and manual reviewer evaluations[2]. The data review essentially performs a summary level validation. EPA Region 3 approved the use of the automated data review process (in lieu of 100% third-party data validation) in a letter to DuPont dated July 12, 2000.

The data review process consisted of an evaluation of the data based on hold times, blank contamination, MS/MSD recoveries, MS/MSD relative percent differences, laboratory control spike/control spike duplicate (LCS/LCSD) recoveries, LCS/LCSD relative percent differences, and surrogate recoveries. Appendix C provides the laboratory analytical results with the DVM.

Based on the QA/QC data review, the sampling results presented in Section 5.0 are considered usable for the project objectives with some of the following EPA Region 3 data qualifiers:

- 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.
- K – Analyte present; reported value may be biased high when the actual value is expected to be lower.
- L – Analyte present; reported value may be biased low when the actual value is expected to be higher.
- UJ – Not detected; reporting limit may not be accurate or precise.
- UL – Not detected; reporting limit is expected to be higher.

Additional information regarding these qualifiers is contained in the narrative report(s) included with the analytical data in Appendix C.

[2] This evaluation was previously presented as the DuPont Data Review (DDR).

The narrative report lists the qualified samples and the reasons for qualification. A summary of the narrative reports for the Phase IV RFI field investigation is provided below.

4.2.1 Summary of QC Findings

As detailed in the narrative reports, overall the data are acceptable for use with qualifications added during the data review process. Some of the data are considered unusable and have been flagged “R” in the database. A limited portion of the data was rejected due to LCS and/or LCSD recoveries below the data rejection level (<10%) or MS and/or MSD recoveries below the data rejection level (<10%). The majority of these analytes are typically difficult to recover in most sample matrices, and the QC windows are considered advisory, so re-analysis was not performed. The rejected data set was limited in extent (less than 10% of the sample set), and the constituents are not site-related. As result, the exclusion of these rejected analytes from the sample set did not affect the data evaluation presented in Section 5.

Some of the remaining data have been qualified due to detections in the method blank; analysis or preparation hold time exceedances; surrogate recoveries outside control limits; LCS/LCSD or MS/MSD recoveries outside the control limits; high RPD observed between the MS and MSD; high RPD observed between the field duplicate or laboratory replicate and the parent sample; tentatively identified compound; or, results detected between the method detection limit (MDL) and the practical quantitation limit (PQL).

4.2.2 Summary of Third-Party Data Validation

Because the DVM process noted above was performed on 100% of the data generated for the Phase IV RFI, 10% of the groundwater and soil data sets were submitted for third-party validation. The following data sets were submitted for validation, which was performed by Environmental Standards, Inc., in Valley Forge, Pennsylvania: nine soil samples (including QC samples) and two aqueous blanks collected on February 18 and 19, 2013 [sample delivery group (SDG) ATF34]; five groundwater and 11 soil samples (including QC samples) and four aqueous blanks collected on November 20, 2013 and on December 10 and 17, 2013 (SDG ATF50); 25 groundwater samples (including QC samples) and four aqueous blanks collected on November 7, 2014 and on December 10, 2014 (SDGs BEL71, BEL72, and BEL73).

The Phase IV RFI data validation included an evaluation of the following:

- Sample holding times
- Sample condition upon laboratory receipt
- Laboratory and field blanks; calibration and calibration verification
- Gas chromatograph/mass spectral (GC/MS) tuning and system performance
- Internal standard areas, analytical sequence, and a critical evaluation of instrumental raw data
- Retention times
- Ion abundance ratio (where applicable)
- Qualitative identification and quantitation of results
- Surrogate and extraction standard recoveries (where applicable)

- Post-analytical spike recoveries, interference check samples, and serial dilution results (where applicable)
- MS/MSD recoveries and precision
- LCS/LCSD recoveries and precision
- Laboratory duplicate precision (where applicable)
- Field duplicate precision

As detailed in the third-party data validation reports provided in Appendix D of this document, the result for 1,4-naphthoquinone in two aqueous blanks (in SDGs ATF34 and ATF50) were qualified as unusable due to a very low recovery in the LCS analysis. In addition, the results for several SVOCs in two soil samples in SDG ATF50 were qualified as unusable due to very low recoveries in the associated MS/MSD analyses. The results for 4-nitroquinoline-1-oxide and hexachlorocyclopentadiene in five groundwater samples and one aqueous blank in SDGs BEL71, BEL72, and BEL73 were also qualified as unusable due to very low relative response factors (RRFs) in an initial calibration standard and an associated continuing calibration verification (CCV) analysis, and/or due to a very low recovery in the LCS analysis.

The data quality for the remaining data was acceptable with minor qualifications added during the review.

Details regarding these qualifications are discussed in the data validation reports provided in Appendix D. Qualifiers applied during the validation process were added to the Locus EIM™ database along with those applied during the DVM process.

4.3 Phase IV Data Evaluation

Data collected during the Phase IV RFI were evaluated to assess whether the investigation objectives were met The data evaluation process also included a comparison of the soil data collected during the Phase IV RFI to the site-specific release/delineation criteria determined for metals, polycyclic aromatic hydrocarbons (PAHs), and dioxins/furans (see Section 5.2). In addition, constituent concentrations were compared to EPA Regional Screening Levels (SLs) (January 2015 edition). The quantitative comparison (i.e., data screening) was used to determine whether a release from the SWMU or AOC had occurred and whether this release presents a potential concern for human health or the environment based on actual site conditions and relevant exposure pathways.

The following screening levels were used during the evaluation discussed in Sections 5.0 and 6.0. Exceedances of these screening levels do not in themselves indicate that an unacceptable exposure exists. Rather, exceedances of the screening levels serve to indicate that the potential exists for human or ecological exposure to occur.

As indicated in the footnotes to the data tables referenced in Section 5, when a screening value was not available from any of these sources, the screening value from a structurally similar chemical was used.

4.3.1 Groundwater

Constituents detected in groundwater were compared to the lower of the Federal Maximum Contaminant Level (MCL) or the SL for tap water. The SLs are based on a cancer risk of 1×10^{-6} or a hazard quotient of 0.1 for non-carcinogens.

Additionally, groundwater sample results from shallow overburden monitoring wells located along the Kanawha River were screened for interaction of groundwater with surface water. Screening levels are equivalent to 10 times the surface-water quality criteria. Surface-water criteria applied to groundwater included the West Virginia Water Quality Standards (WVWQS in 47CSR2) and the National Recommended Water Quality Criteria (NRWQC). This approach is consistent with the EPA Region 3 approach for protection of surface-water ecosystems when stream flow, extent of the groundwater discharge zone, and other conditions warrant a mixing factor of 10 (EPA, 1999).

4.3.2 Soil

Soil concentrations, in samples collected from depths less than 15 feet bgs, were compared to industrial SLs. Similar to groundwater, the SLs were based on a cancer risk of 1×10^{-6} or a HQ of 0.1 (for non-carcinogens).

Soil concentrations (for inorganic constituents, PAHs, and dioxins/furans) in fill materials were also compared to site-specific release/delineation criteria determined during the Phase IV RFI (see Section 5.1). Soil concentrations for inorganic constituents in native soil materials were also compared to statewide background concentrations [from Table 2-3 in West Virginia Department of Environmental Protection (WVDEP) 2001 *West Virginia Voluntary Remediation and Redevelopment Act Guidance Manual Version 2.1*].

Constituent concentrations in soil and groundwater were used to determine whether the concentrations represent a potential source to groundwater. Where groundwater data were not available, soil concentrations in the vadose zone were also compared to EPA SLs for protection of migration to groundwater [soil screening levels (SSLs)] with a dilution attenuation factor (DAF) of 20. Soil samples collected within the saturated zone were not compared to SSLs.

Dioxin and furan results in soil were converted to toxicity equivalencies (TEQs) using the 2005 World Health Organization (WHO) toxicity equivalency factors (TEF). The total TEQ were compared to the EPA Region 3 recommended preliminary remediation goal (PRG) of 0.00066 milligrams per kilogram (mg/kg). The PRG of 0.00066 mg/kg [or 660 nanograms per kilogram (ng/kg)] is based on the reference dose (RfD) of 7E-10 mg/kg provided in EPA's Integrated Risk Information System (IRIS) in February 2012. The PRGs are generally recommended as a starting point for actions taken at RCRA corrective action sites.

Consistent with EPA Region 3 policy, constituents detected in soil and ditch sediment were also compared to SLs for residential soil. This comparison is provided in Appendix E.

4.3.3 Ditch Sediment

Ditch sediment concentrations from samples collected within Simmons Creek were compared to industrial SLs. Similar to soil and groundwater, the SLs were based on a cancer risk of 1×10^{-6} or a HQ of 0.1 (for non-carcinogens). This is considered a very conservative screening because exposure to ditch sediment would be less frequent than the assumptions used in the development of the soil SLs.

As noted in Section 2.3, within the Plant Area, the natural drainage of Simmons Creek has been channelized to concrete conveyances and, as a result, does not provide any ecological habitat. As a result, a comparison to ecological screening benchmarks was not conducted.

4.3.4 Indoor Air

A weight-of-evidence approach was used to evaluate potential vapor intrusion pathways at the site. This approach is consistent with Interstate Technology and Regulatory Council's (ITRC) *Vapor Intrusion Pathway: A Practical Guideline* (ITRC 2007) and follows the principles in EPA's *Superfund Vapor Intrusion FAQs* (EPA, 2012b) available on-line at http://www.epa.gov/oswer/vaporintrusion/ and EPA's *Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air* (EPA, 2015). Spatial groundwater concentrations were used as the primary line of evidence in the data evaluation presented in this report. However, site-specific information, such as land-use conditions and building construction, were also considered. In addition, industrial hygiene (IH) indoor air sampling conducted at one of the buildings (Building 216) by plant personnel and soil gas sampling conducted in another area (Building 299) was included in the evaluation.

Because the site is industrial, volatile constituents detected in groundwater were compared to screening levels derived using EPA's Vapor Intrusion Screening Levels (VISL) calculator available at http://www.epa.gov/oswer/vaporintrusion/guidance.html#Item6. As detailed in the VISL calculator, the VISLs are based on EPA's risk-based indoor air screening levels for commercial/industrial use with an applied generic attenuation factor (EPA, 2015). The generic attenuation factors applied by EPA in the VISL derivation are based on residential structures rather than commercial/industrial structures. Similar to groundwater and soil, the VISLs were based on an excess cancer risk of 1×10^{-6} and a HQ of 0.1 (for non-carcinogens).

5.0 RFI Results

This section presents a summary of the investigations conducted at the SWMUs, AOCs, MDA Area, and SLM Area during the Phase IV RFI and the analytical results of the associated sampling efforts. A summary of the data generated during the Phase I, Phase II, and Phase IIIA RFIs is also provided, where applicable, for the units or areas sampled during previous RFI phases.

As discussed in Section 4.0, the Phase IV investigation was completed in four mobilizations/phases. Table 5.1 provides the media sampled during each phase and the analyte list for each media. SWMUs, AOCs, and the MDA and SLM Areas investigated during the Phase IV RFI are shown in Figure 5.1. Sample locations and analytical results are summarized in Figures 5.2 through 5.42 and in the tables referenced in the text. The results discussion in this section is presented by geographic location across the site from the northwest boundary of the site through the southeast boundary of the site. SWMUs, AOCs, and areas are, in some cases, grouped based on proximity to each other.

Photographs of the conditions as of first and second quarter 2002 at the majority of the SWMUs and AOCs investigated are provided in Appendix F. Lithologic boring logs, sample intervals, and field screening results for the Phase IV RFI are provided in Appendix G. MIPS logs are provided in Appendix H. Complete RFI analytical results for each unit or area are tabulated in Appendix E.

5.1 MIPS

During the RA, the collection of soil samples from each soil boring and the number of samples collected for laboratory analysis were guided by the real-time MIPS data evaluation. The data evaluation included the identification of potential VOC and/or SVOC impacts and the identification of zones of higher permeability, which may have allowed movement of constituents of concern in the subsurface. The collection of samples for laboratory analysis was also guided by other field conditions observed, such as visual observations and odors.

During boring advancement, real-time data acquisition and was conducted using a high resolution vertical profiling system. The system consisted of two tools: the MIPS and a hydraulic profiling tool (HPT) with an integrated soil electrical conductivity (EC) probe. The MIPS was used for mapping VOC and a subset of SVOC contamination in soil and groundwater. A standard configured MIP will detect most compounds in the standard VOC range and with an enhanced heating and transfer system a number of compounds in the SVOC range. The MIPS contains a sensor detection system consisting of a photoionization detector (PID), a flame ionization detector (FID), and an electron capture detector (ECD). The HPT was used to provide indication of general soil characteristics such as permeability and the potential for contaminant transport via groundwater flow. The MIPS and HPT were contained in a single probe, which was advanced into the subsurface via the Geoprobe®.

During the reduction of data from the RA, logs from MIPS borings were reviewed and compared to analytical laboratory results from corresponding soil samples. This comparison was used to identify whether a positive correlation was observed between the MIPS results and laboratory analytical results (i.e., did the MIPS accurately identify potential zones of contamination). In this comparison, it was observed that the MIPS responses for the PID and FID did not appear to correlate well to the laboratory soil

analytical data. In many instances, a response was seen in the MIPS log at a depth where the laboratory soil analytical results indicated the presence of minimal VOCs. Unusual responses were also noted in the EC log that likewise did not correlate to any target constituent. The only positive correlation noted in the data was at MIPS SWMU58-2.

Based on the concern that the MIPS “peaks” might suggest unknown constituents, select samples were then collected as part of the DGI to answer specific data gaps that were identified. The data gaps identified in the MIPS logs were of three types:

- Was a response in the MIPS log a result of naturally-occurring hydrocarbons (e.g., methane)?
- Did the MIPS detector suggest the presence of an unidentified constituent not detected in the nearby analytical samples?
- Was the relatively high specific electrical conductivity a result of an unidentified constituent or elevated salt content in the soil or groundwater?

The proposed samples in the DGI Work Plan included 14 soil samples, seven groundwater samples, and four soil vapor samples at various depths within 14 borings. During implementation, some modifications to the sampling plan were made based on field conditions encountered. In some cases, the target interval for a proposed groundwater sample was dry, so a soil vapor sample was collected instead. As a result, during the DGI, 13 soil samples (plus two duplicates), four groundwater samples (plus a duplicate), and two soil vapor samples were collected. Samples were analyzed for Appendix IX VOCs, SVOCs, formaldehyde, dissolved gases, ammonia, select inorganics or total organic carbon (TOC), depending on the location and medium.

Table 5.2 presents the findings of the data comparison for MIPS responses to the DGI (May 2013) soil, groundwater, and soil vapor analytical data. The MIPS did correctly show high FID and PID responses at the same depth interval where high BTEX constituents were detected (SWMU58-2), and the MIPS responses of the EC probe were a result of elevated salts (sodium) in the soil. There were, however, many responses in the FID and PID data that were apparently to non-target compounds. There is evidence that the MIPS detectors were responding to methane at some locations (likely to be naturally-occurring in this area), but this correlation does not explain any PID responses (PIDs do not respond to methane). Other non-target constituents, suggested by the TOC data, may be responsible for these false positives.

Based on these observations, high resolution vertical profiling was not used in subsequent phases of the Phase IV RFI. The inconsistent correlation between MIPS response and soil analytical data limited the usefulness of the vertical profiling system for targeting sample collection at the site.

5.2 Historical Fill

5.2.1 Background

During historical expansion activities at the Belle Plant, industrial fill material was used to grade areas prior to building construction. This historical fill potentially consisted of coal-fired boiler ash, coke fines, coke plant sludge, incinerator residue, organic wastes, and lime. As a result, historical fill samples were collected as part of the Phase IV RFI to determine whether constituents detected at SWMUs or AOCs where historical fill had been placed are associated with releases at the units or are consistent with the

presence of site-wide historical fill. As outlined in the EPA-approved Phase IV Work Plan, the purpose of the historical fill sampling effort was 1) to establish a useful comparison point to assist in identifying releases from RCRA SWMUs and not to identify impacts from other anthropogenic activity at the site and, 2) to provide an appropriate delineation endpoint for the investigation.

5.2.2 Phase IV RFI Activities

Historical fill samples were collected using the Geoprobe and the sampling methods described in Phase IV Work Plan. As shown in Figure 5.2, the samples were collected from 10 soil boring locations installed outside the extent of SWMUs and AOCs. At each location, one discrete surface soil sample and one discrete subsurface soil sample were collected where fill material was present. All fill-material soil samples were analyzed for Appendix IX metals, PAHs, and dioxins/furans. Table 5.3 provides a summary of the historical fill analytical results.

5.2.3 Approach

Site-specific release/delineation criteria were determined using statistical procedures available in EPA's ProCL software (version 5.0.00). ProUCL provides several parametric and non-parametric methods to calculate upper tolerance limits (UTLs). The 95 percent (%) UTL based on 95% coverage was selected for each constituent based on the distribution of the data set (i.e., normal, lognormal, or non-parametric). A summary of the 95% UTL values is provided in Table 5.4. ProUCL outputs are included in Appendix I.

For dioxin/furans, total TEQs were calculated including and excluding B-qualified data. However, for the 95% UTL calculation, as shown in Table 5.4, total TEQs that excluded B-qualified data were used.

Prior to the calculation of site-specific release/delineation criteria values, tests for outliers in the historical fill data set were performed (such as Dixon's test) using ProUCL (see Table 5.5). Data suspected of being outliers were further evaluated to determine their inclusion in the UTL calculations. Based on a 5% significance level, only copper had outliers identified in the upper and lower ends of the distribution curve. However, these outliers were not excluded from the data set.

The calculated 95% UTL values are applicable to RFI samples collected from within fill materials.

5.3 SWMU 54

5.3.1 Unit Background

SWMU 54 is the Ag-Mature Secondary-Butyl Urea (SBU) Brine Treatment System – former Raw Waste Storage Tank shown in Figures 5.1 and 5.3. The system was used to treat waste brine generated during the manufacture of an agricultural fungicide. The treatment process was changed in late 1988, and SWMU 54 is no longer used in the treatment process. SWMU 54 was cleaned prior to taking it out of service. The concrete pad, upon which the tank stood, still exists and a salt storage shed was located on the pad.

5.3.2 Phase IV RFI Activities

The objective of the Phase IV RFI sampling at SWMU 54 was to determine whether a release had occurred in this area related to the former Raw Waste Storage Tank. Figure 5.3 shows the investigation locations and sampling completed for SWMU 54.

During the RA, three MIPS borings were completed [SWMU54-1 (also referred to as SWMU54-1A for some samples from this location), SWMU54-2, and SWMU54-3]. Selection of soil sampling locations from the MIPS borings was guided by the real-time data evaluation, including the identification of potential VOC and/or SVOC impacts and the identification of zones of higher permeability, and by other field conditions observed, such as visual observations and odors. Based on the MIPS data evaluation, soil samples (surface soil and subsurface soil, depending on the location) were collected from two of the three MIPS boring locations. Soil samples were analyzed for Appendix IX VOCs, SVOCs and metals, and ammonia.

During the subsequent DGI, subsurface soil samples were collected from two RA locations (SWMU54-1A and SWMU54-2) and groundwater was collected from one RA location (SWMU54-2) to better understand the MIPS log responses. Due to dry conditions encountered in the field, only one of the groundwater samples was collected and one soil vapor sample, not proposed initially, was also collected. Soil samples were analyzed for Appendix IX VOCs and SVOCs, formaldehyde, ammonia, and TOC. Groundwater samples were analyzed for Appendix IX VOCs and SVOCs, formaldehyde, dissolved gases, sodium, and TOC. Soil vapor samples were analyzed for Appendix IX VOCs and TICs and dissolved gases.

During the DI, surface soil and subsurface soil samples were collected from five step-out delineation locations. Sampling locations were stepped out around the SWMU54-1 and SWMU54-2 borings. The locations stepped out from SWMU54-1A were identified as SWMU54-1A-1, SWMU54-1A-2, and SWMU54-1A-3. SWMU54-2-1 and SWMU54-2-2 were stepped out from SWMU54-2. Note that the location SWMU54-2-3 is essentially the same as the SWMU54-2 location, but that samples were collected from different depths than at SWMU54-2. Soil samples were analyzed for PAHs.

Table 5.1 provides the media sampled during each investigation and the respective analyte list for each media sampled. Boring logs are provided in Appendix G, and MIPS boring logs are provided in Appendix H.

5.3.3 Phase IV RFI Results

Soil

Constituents detected in soil samples from SWMU 54 were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.6 and Appendix E, six SVOCs (PAHs) exceeded industrial soil SLs and historical fill 95% UTLs. Exceedance locations are shown in Figure 5.4.

In surface soil (0.5 to 1.0 feet bgs), exceedances were observed in boring SWMU54-1 and step-out locations SWMU54-1A-1 and SWMU54-1A-3. SWMU54-1A-2 had no exceedances, delineating these PAH exceedances to the north. Boring logs indicate cinders and ash in the surface soil fill material, which is consistent with the presence of historical fill. Exceedances in surface soil were also observed in boring locations SWMU54-2-1, SWMU54-2-2, and SWMU54-2-3. Exceedances in subsurface soil (from a depth of 3 to 4 feet bgs) were observed in boring SWMU54-2. Exceedances in subsurface soil were delineated laterally by borings SWMU54-2-1 and SWMU54-2-2 and

vertically by boring SWMU54-2-3. The log for SWMU54-2 indicates a diesel odor and black staining and ash at the 3 to 4 feet bgs depth, which is inconsistent with the materials managed at the SWMU. At these locations, the highest PAH concentrations were observed in surface soil at boring SWMU54-2-2. Benzo(a)pyrene, for example, at the boring was detected at a concentration of 250 mg/kg. The industrial soil SL is 0.29 mg/kg.

No inorganic constituents were detected above industrial soil SLs and historical fill 95% UTLs.

One VOC (formaldehyde), ten SVOCs (primarily PAHs), and five metals (antimony, arsenic, cobalt, lead and thallium) were detected above SSLs. Formaldehyde was detected above the SSL in subsurface soil (20 to 21 feet bgs) collected from boring SWMU 54-2 just above the water table. Based on the MIPS response, formaldehyde was not analyzed in the boring or other boring locations at a more shallow depth. Therefore, the source of formaldehyde is unknown. Formaldehyde was not managed at the SWMU.

SVOC exceedances were noted in shallow soil (less than 4 feet bgs). No SVOC exceedances were observed in intervals collected just above the water table.

Of the metals, arsenic and cobalt were within the range of statewide background levels. Thallium was detected above the risk-based SSL in one boring (SWMU54-1) but was less than the MCL-based SSL. Lead and antimony exceedances were limited to one boring (SWMU54-2) at a depth of 3 to 4 feet bgs. However, no lead or antimony exceedances were observed in the interval (20 to 21 feet bgs) collected from just above the water table.

Groundwater

Groundwater was sampled at SWMU54-2 to better understand the MIPS log responses in relation to the soil analytical results (see Section 5.1 for details). Constituents detected in groundwater samples from SWMU 54 were compared to the screening criteria presented in Section 4.4.

As detailed in Table 5.7, one PAH [benzo(b)fluoranthene] was detected above the tap water SL [0.034 micrograms per liter (µg/L)] at a concentration of 0.1 µg/L. However, this exceedance is likely biased high due to turbidity in the unfiltered sample. Formaldehyde was also detected above the tap water SL (0.43 µg/L) at a concentration of 100 µg/L. The source of formaldehyde does not appear to be SWMU-related but will be addressed as part of site-wide groundwater (see Section 5.17).

Soil Vapor

Results for soil vapor are provided in Table 5.8. Soil vapor was sampled at SWMU54-2 to better understand the MIPS log responses in relation to the analytical results (see Section 5.1 for details). Fuel-related constituents (such as trimethylbenzenes, benzene, ethylbenzene, toluene, and xylenes) were observed in the soil vapor sample, which corresponded to the MIPS' PID response. However, of these, only toluene was also detected in groundwater.

5.3.4 Conclusions and Recommendations

The objective for SWMU 54 has been met, and no further investigation of SWMU 54 is recommended. Based on the soil sampling results, the presence of PAHs in a portion of the SWMU (SWMU54-1) is consistent with the presence of site-wide historical fill rather

than a release from the unit. However, a release to soil of PAHs is indicated in the vicinity of another portion of the SWMU (SWMU 54-2). A release of formaldehyde to groundwater is also indicated in this area. The source of the release is unknown and is not consistent with wastes managed at the unit. However, SWMU 54 is recommended for further evaluation in the CMS.

5.4 AOCs A and E and SWMU 191

5.4.1 Unit Backgrounds

The locations of AOC A, AOC E, and SWMU 191 are shown in Figures 5.1 and 5.5. AOC A consists of the former Coke Plant and the former Benzol Process Area. Coke ovens were present in the Coke Plant for heating coal to form coke. The off-gasses from the process were used in the Benzol Process. Benzene, toluene, and xylene were the products recovered from the gasses. The Coke Plant and Benzol Process were active from approximately the 1930s to 1958. All buildings and support equipment associated with the Coke Plant and Benzol Process Area have been removed. Wastes generated in the coking process were used as fill material in the southwest portion of the plant and in SWMUs 191 and 192 (Inactive Disposal Areas). The operations of the former Coke Plant and the former Benzol Process Area are considered to be the source of volatile organics detected in the Southwest Groundwater Seep (AOC B) where one of the DPE systems is in operation. Currently, the area in the vicinity of the former Coke Plant and former Benzol Process Area is covered with gravel (see Appendix F).

AOC E consists of the Underground Fuel Storage Tanks. The two tanks were within a secondary containment system, which had a leak detection system in place. The surface area above the tanks was paved with concrete and was about 15 feet wide and 120 feet long. One of the tanks contained diesel fuel and the other gasoline. The original tanks were installed in 1979 and were replaced in 1989 with two 8,000-gallon, double-walled, fiberglass fuel storage tanks. At the time of tank replacement, the original tanks that were removed were inspected and confirmed to be structurally sound. The replacement tanks also had secondary containment and a leak detection system. At a later date (the exact date is unclear, but prior to 1991), sampling was conducted at the high water table, and the results indicated greater than 100 ppm of total petroleum hydrocarbons (TPH). These two tanks were closed under the WVDEP Underground Storage Tank (UST) Program. Currently, the surface in this area is gravel (see Appendix F).

SWMU 191 is Inactive Disposal Area 8. This SWMU is a 1.5-acre area where coal fired boiler ash and coke fines were deposited. The depth of the material is not known. The SWMU was used from 1926 through 1939. The area is now covered with gravel or asphalt and is used as a parking area for trailers and a rail yard (see Appendix F).

5.4.2 Summary of Previous RFI Activities and Results

During the Phase I RFI, well MW-72-SO was installed in the shallow overburden adjacent to hydropunch location HP-72 within the southeast portion of SWMU 191. In addition, HP-5 was advanced to the northwest of SWMU 191. Phase I RFI locations are shown in Figure 5.5. Soil was sampled from HP-6, and groundwater was sampled from these three locations (HP-5, HP-72, and MW-72-SO) to evaluate soil and groundwater quality near the former SSS wastewater tanks, which were located to the northwest of SWMU 191. Samples were analyzed for Appendix IX VOCs, SVOCs, and metals. Results from these samples showed that the former Coke Plant portion of AOC A was not considered to be an important area of focus for Phase II. However, during Phase I

and II, the former Benzol Process portion of AOC A was identified as a source area of VOCs. In March 2005, a DPE system was placed in operation as an IRM at this location.

5.4.3 Phase IV RFI Activities

The objective of the Phase IV RFI at AOCs A and E and SWMU 191 was to determine whether a release had occurred in this area related to the former Coke Plant and Benzol Process Area, the Underground Fuel Storage Tanks, and/or Inactive Disposal Area 8. Figure 5.5 shows the investigation locations and sampling completed for AOCs A and E and SWMU 191.

For the RA, six, four, and five MIPS borings were proposed at AOCs A and E and SWMU 191, respectively. However, not all of the proposed MIPS borings were advanced due to issues encountered in the field. At AOCs A and E and SWMU 191, four, four, and three MIPS borings, respectively, were advanced during the RA. These include AOCA-1 through AOCA-3 and AOCA-5, AOCE-1 through AOCE-4, and SWMU191-1 through SWMU191-3 (shown in Figure 5.5). Selection of soil sampling locations from these MIPS borings was guided by the real-time data evaluation, including the identification of potential VOC and/or SVOC impacts and the identification of zones of higher permeability, and by other field conditions observed, such as visual observations and odors. Based on the MIPS data evaluation, soil samples (surface soil and subsurface soil, depending on the location) were collected from six of the 11 MIPS boring locations. Depending on the location, soil samples were analyzed for Appendix IX VOCs, SVOCs and metals, dioxins/furans, TPH diesel range organics (DRO), TPH gasoline range organics (GRO), and ammonia.

During the subsequent DGI, subsurface soil samples were collected from three RA locations (AOCA-1, AOCE-1 and SWMU191-1) and groundwater was collected from two RA locations (AOCE-1 and AOCE-3) to better understand the MIPS log responses. Groundwater sampling was also proposed at AOC A and SWMU 191, but the borings were dry. Soil vapor sampling was proposed at AOC E but was not collected due to wet field conditions. Soil samples were analyzed for Appendix IX VOCs and SVOCs, formaldehyde, select inorganics, ammonia, and TOC. Groundwater samples were analyzed for Appendix IX VOCs and SVOCs, formaldehyde, ammonia, and TOC.

During the DI, surface soil samples were collected from eight step-out delineation locations, subsurface soil samples were collected from three step-out delineation locations, and groundwater was collected from three step-out delineation locations (see Figure 5.5). Soil sampling locations were stepped out around AOCE-1 and SWMU191-2. Soil samples were analyzed for PAHs. Groundwater sampling locations were installed downgradient of AOCE-3, identified as AOCE-9-1, AOCE-9-2, and AOCE-9-3. Groundwater samples were analyzed for formaldehyde.

Table 5.1 provides the media sampled during each investigation and the respective analyte list for each media sampled. Boring logs are provided in Appendix G, and MIPS boring logs are provided in Appendix H.

5.4.4 Phase IV RFI Results

Soil

Constituents detected in soil samples from AOC A, AOC E, and SWMU 191 were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.9,

Table 5.10, and Appendix E, nine SVOCs (PAHs) exceeded industrial soil SLs and historical fill 95% UTLs. Exceedance locations are detailed Figure 5.6.

In surface soil (0.5 to 1.0 foot bgs), PAH exceedances were observed in boring AOCE-1 and step-out locations AOCE-1-2 and AOCE-1-3, AOCE-3 and step-out location AOCE-3-1, and SWMU191-2 and step-out location SWMU191-2-3. Exceedances in subsurface soil (from a depth of 7 to 8 feet bgs) were observed in boring AOCE-1 and step-out locations AOCE-1-1 and AOCE-1-3. Higher PAH concentrations were observed in subsurface soil than in surface soil with the maximum detected concentration of benzo(a)pyrene (170 mg/kg) observed at location AOCE-1-1. The boring log for AOCE-1-1 indicates the presence of cinders from the surface to a depth of 7 feet bgs.

In samples collected from historical fill materials, one metal (arsenic) was detected above industrial soil SLs and historical fill 95% UTLs in boring location AOCE-3, SWMU191-2, and step-out location SWMU191-2-2. Arsenic concentrations in these locations ranged between 28.9 mg/kg and 50.5 mg/kg. In samples collected from native soil materials beneath these units, arsenic was detected above the industrial soil SL in boring locations AOCA-3, AOCE-1, AOCE-3, and SWMU191-2 but was less than the range of statewide background levels (5.9 to 13 mg/kg). Arsenic concentrations in the subsurface soil samples ranged between 5.25 m/kg to 8.9 mg/kg.

Three VOCs (benzene, ethylbenzene, and formaldehyde), 13 SVOCs (primarily PAHs), and five metals (antimony, arsenic, cobalt, iron, and thallium) were detected above SSLs. Of the VOCs, benzene and ethylbenzene exceedances were observed in shallow soil (depths less than 8 feet bgs) and were not observed in intervals collected just above the water table. Formaldehyde also was detected above the SSL in shallow soil samples (depths between 5 and 8 feet bgs). Formaldehyde concentrations ranged between 19 mg/kg and 46 mg/kg in borings installed at SWMU 191 and AOC E. Formaldehyde was not detected in soil samples collected from just above the water table at SWMU 191 and AOC A. However, the detection limits (between 1.5 mg/kg and 1.6 mg/kg) were above the SSL, which is 0.00174 mg/kg.

Similar to direct contact exceedances discussed above, PAH exceedances were observed in soil samples collected from AOC E and SWMU 191. Higher concentrations were observed with the presence of cinders from the surface to a depth of 7 feet bgs. Only benzo(a)pyrene was detected above the SSL in the soil interval collected just above the water table (see AOCE-1 from 22 to 23 feet bgs). However, the concentration (0.11 mg/kg) was just above the risk-based SSL (0.08 mg/kg) but less than the MCL-based SSL (4.8 mg/kg).

Of the metals, antimony exceedances were limited to surface soil and were not observed in deeper subsurface soil samples. Similarly, where arsenic was detected above historical fill 95% UTLs in surface soil, concentrations in subsurface soil were less than or within the range of statewide background levels. Cobalt was also within the range of statewide background levels. Thallium was detected above the risk-based SSL but was less than the MCL-based SSL.

Groundwater

Constituents detected in groundwater samples from SWMU 191 and AOC E were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.11, benzene exceeded the tap water SL of 0.45 µg/L in one sample and the duplicate sample at AOCE-1 with a concentration of 1 J µg/L; however, these exceedances are less than the MCL of 5 µg/L. Naphthalene also exceeded the tap water SL in these

samples with a concentration of 140 J and 200 J µg/L, respectively. At AOCE-3, formaldehyde exceeded the tap water SL of 400 µg/L with a concentration of 16,000 µg/L. Formaldehyde concentrations upgradient and downgradient of this sample (MW-72-SO, AOCE-9-1, AOCE-9-2, and AOCE-9-3) were an order of magnitude lower in concentration (ranging between 60 µg/L and 320 µg/L). The presence of formaldehyde at 34 to 35 feet bgs correlates with an elevated MIPS response. Exceedance locations are detailed in Figure 5.7.

Several SVOCs, primarily PAHs, also exceeded the tap water SLs in groundwater sampled at AOC E, but these results are likely biased high due to turbidity in the unfiltered samples.

Four metals (total and dissolved antimony, arsenic, cobalt, and thallium) were detected above screening criteria in shallow overburden monitoring well MW-72-SO. Of these, total and dissolved antimony were detected above both the tap water SL and Federal MCL. Total antimony was detected at a concentration of 10.2 µg/L, and dissolved antimony was detected at a concentration of 8.4 µg/L. The Federal MCL is 6 µg/L. Total and dissolved cobalt were detected above the tap water SL (0.6 µg/L). Cobalt concentrations were 3.3 µg/L and 3.8 µg/L in the total and dissolved fraction, respectively. Cobalt does not have an MCL.

5.4.5 Conclusions and Recommendations

The objective for AOC A (former Coke Plant portion), AOC E, and SWMU 191 has been met, and no further investigation is recommended.

No releases were indicated at AOC A (former Coke Plant portion), and no further action is recommended for that AOC.

Based on the sampling conducted, limited localized releases to soil (such as formaldehyde, PAHs, and arsenic) exist at AOC E and SWMU 191. A release to groundwater is also indicated at SWMU 191 and AOC E. AOC E may be a potential source to groundwater for benzene and naphthalene. However, the formaldehyde release to groundwater is not likely related to the USTs at AOC E. Other potential sources exist in this portion of the site, including the former SSS storage tanks, which were located on the other side of the railroad tracks from AOC E and on the northeastern side of SWMU 191. As a result, AOC E and SWMU 191 are recommended for further evaluation in the CMS.

5.5 SWMUs 32-35, 72, and 154

5.5.1 Unit Backgrounds

The locations of SWMUs 32-35, 72, and 154 are shown in Figures 5.1 and 5.8. SWMUs 32, 33, 34, and 35 are the former Operating Services Department (OSD) Hazardous Waste Storage Tank (ID Nos. 3A, 3B, 3C, and 3D). These units consisted of four tanks that were used to store wastes generated on-site prior to burning at the OSD Coal/Waste-Fired Boilers. The units were aboveground tanks, varying in size, which were constructed on gravel pads.

SWMUs 32 through 35 were closed in 1981 without an approved closure plan. The closure of the tanks included burning all the remaining wastes in the boilers. The tanks were then cleaned with water, and the rinsate was either burned in the boilers or treated at the WWTP. The cleaned tanks were cut up and sold for metal recovery. The pipes

and ancillary equipment were removed and disposed off-site at the SCA Chemical Services facility in Model City, New York. The plant was fined for closing these units without an approved closure plan. However, no additional remedial activities were required for the unit by either the EPA Region 3 or West Virginia Division of Natural Resources (WVDNR). After removal of the fourth tank, some staining was noticed. Soil samples were collected and analyzed for pH and TOC to determine the extent of removal. Approximately 800 cubic yards of gravel and soil were removed from the area and disposed at the SCA facility. The area where the tanks were located is now covered with gravel and used as a parking area (see Appendix F).

SWMU 72 is the former MDA Deep Well Storage Tank. This unit was a 110,000-gallon, stainless-steel tank. The unit was 25 feet in diameter and 30 feet tall and was aboveground on a concrete pad, surrounded by gravel, with no secondary containment. This unit was used to store adipic acid waste and later to accumulate waste brine from the MDA process. The tank no longer exists, but the concrete pad is still in place, and a small building is now located on the pad (see Appendix F).

SWMU 154 is a wastewater collection system (WCS) pumping station. The WCS consists of the plant sewer lines, a series of pumping stations (including SWMU 154), collection flumes, and ancillary pumps. The purpose of these units is to collect both sanitary and process wastewaters and convey the wastes to the WWTP. This pumping station is still in use but appears to be deteriorated (see Appendix F).

5.5.2 Phase IV RFI Activities

The objective of the Phase IV RFI at SWMUs 32 through 35 and SWMU 72 was to determine whether a release had occurred in this area related to the OSD Hazardous Waste Storage Tanks, and/or the former MDA Deep Well Storage Tank. Figure 5.8 shows the investigation locations and sampling completed for SWMUs 32 through 35 and SWMU 72. During this investigation process, it was determined that potential releases from SWMU 154, which was initially categorized as Investigation Deferred due to access issues, could be investigated using the samples collected for SWMU 72.

For the RA, six MIPS borings were proposed at SWMUs 32 through 35, and three were proposed at SWMU 72. However, only four MIPS borings were advanced near SWMUs 32 through 35 (SWMU32-35-1 through SWMU32-35-3 and SWMU32-35-5) due to access issues encountered in the field. Two MIPS borings were advanced near SWMU 72 (SWMU72-1 and SWMU72-2). Selection of soil sampling locations from the MIPS borings was guided by the real-time data evaluation, including the identification of potential VOC and/or SVOC impacts and the identification of zones of higher permeability, and by other field conditions observed, such as visual observations and odors. Based on the MIPS data evaluation, soil samples (surface soil and subsurface soil, depending on the location) were collected from four of the six MIPS boring locations. Depending on the location, soil samples were analyzed for Appendix IX VOCs, SVOCs, and metals.

During the subsequent DGI, subsurface soil samples were collected from two RA locations (SWMU32-35-2 and SWMU32-35-5), and groundwater was collected from one RA location (SWMU32-35-5) to better understand the MIPS log responses. Soil vapor sampling was also proposed at the unit but was not collected because of the tight clay encountered at that location. Soil and groundwater samples were analyzed for Appendix IX VOCs and SVOCs, formaldehyde, ammonia, and TOC.

During the DI, sampling locations were stepped out around SWMU72-1 (SWMU72-1, SWMU72-2, and SWMU72-3), and soil samples were analyzed for arsenic. Additional sampling of groundwater for formaldehyde analysis was also completed at two locations downgradient of SWMU32-35, identified as SWMU32-35-1GW and SWMU32-35-3GW. Groundwater sampling was proposed at a third downgradient location; however, safe access was not possible.

Table 5.1 provides the media sampled during each investigation and the respective analyte list for each media sampled. Boring logs are provided in Appendix G, and MIPS boring logs are provided in Appendix H.

5.5.3 Phase IV RFI Results

Soil

Constituents detected in soil samples from SWMUs 32 through 35 and SWMU 72 were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.12 and Appendix E, none of the organic constituents were detected above industrial soil SLs or historical fill 95% UTLs (where applicable). Only arsenic was detected above industrial soil SLs and 95% UTLs or statewide background levels. Exceedance locations are detailed Figure 5.9.

For SWMUs 32-35, arsenic was detected at 5.79 mg/kg in location SWMU 32-35-2, which is above the industrial soil SL but was less than the range of statewide background levels (5.9 to 13 mg/kg). Therefore, there are no releases to soil indicated at these SWMUs.

For SWMUs 72 and 154, arsenic also was the only constituent that exceeded the industrial soil SL and the historical fill 95% UTL. In samples collected from historical fill materials, arsenic was detected above industrial soil SLs and historical fill 95% UTLs in boring location SWMU72-1 and step-out location SWMU72-1-3. Arsenic concentrations in these locations were 54.5 mg/kg and 27.6 mg/kg, respectively. In samples collected from underlying native soil materials, arsenic was detected above the industrial soil SL in boring SWMU72-1 but was less than the range of statewide background levels (5.9 to 13 mg/kg).

These results show that a release to soil of arsenic is indicated at SWMUs 72 and 154. However, the source of the release appears to be related to historical fill rather than a release from the unit. The log for SWMU72-1 indicates oily cinders and a slight odor from 7 to 8 feet bgs.

One VOC (formaldehyde) and four metals (antimony, arsenic, barium, and cobalt) were detected above SSLs. Formaldehyde was detected above the SSL in subsurface soil (5 to 7 feet bgs) collected from boring SWMU32-35-2. Based on the MIPS response, formaldehyde was not analyzed in the boring or other boring locations at a more shallow depth. Therefore, the source of formaldehyde is unknown.

Of the metals, antimony and barium exceedances were limited to surface soil in one boring (SWMU 72-1). No antimony or barium exceedances were observed in deeper subsurface soil at the boring. Arsenic and cobalt concentrations in underlying subsurface soil were within the range of statewide background levels.

Groundwater

Constituents detected in groundwater samples from SWMUs 32 through 35 were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.13,

several SVOCs (primarily PAHS) exceeded tap water SLs in one sample collected at SWMU32-35-5, but these results are likely biased high due to turbidity in the unfiltered samples. Formaldehyde detected at 980 µg/L was also above the tap water SL (0.43 µg/L) at the location. Formaldehyde concentrations in the downgradient groundwater samples collected at SWMU32-35-1-GW and SWMU32-35-3-GW were lower with concentrations of <30 µg/L and 210 J µg/L, respectively. The presence of formaldehyde, as well as methane and ammonia, correlates with an elevated MIPS FID response. Exceedance locations are detailed in Figure 5.10.

5.5.4 Conclusions and Recommendations

The objective for SWMUs 32 through 35, SWMU 72 and SWMU 154 has been met, and no further investigation is recommended.

Based on the sampling conducted, a release of arsenic to soil was identified at SWMUs 72 and 154. The source of the release appears to be related to historical fill rather than a release from the unit. A release of formaldehyde to groundwater is also potentially indicated at SWMUs 32 through 35. Therefore, SWMUs 32 through 35, 72, and 154 are recommended for further evaluation in the CMS.

Groundwater was not sampled downgradient of SWMUs 72 and 154. However, consistent with the approach for the other WCS pumping stations, SWMU 154 groundwater will be carried forward for further evaluation in the CMS.

5.6 SWMUs 151, 153, 155, and 158

5.6.1 Unit Backgrounds

The locations of SWMUs 151, 153, 155, and 158 are shown in Figures 5.1 and 5.11. SWMUs 151, 153, 155, and 158 are WCS pumping stations. The WCS consists of the plant sewer lines, a series of pumping stations, collection flumes, and ancillary pumps. The purpose of these units is to collect both sanitary and process wastewaters and convey the wastes to the WWTP. SWMU 151 is still in use. SWMUs 153 and 155 are also still in use and appear to have been upgraded. SWMU 158 is not in use and is covered by concrete and pavement (see Appendix F).

5.6.2 Phase IV RFI Activities

The objective of the Phase IV RFI at SWMU 151, SWMU 153, and SWMU 155 was to determine whether a release had occurred in this area related to these WCS pumping stations. Figure 5.11 shows the investigation locations and sampling completed for SWMUs 151, 153, 155, and 158. SWMU 158 was initially categorized as Investigation Deferred based on access issues to this pumping station identified during the Decision Tree Evaluation Process. However, it ultimately ended up being evaluated in the Phase IV RFI as described below.

For the RA, three MIPS borings each were proposed for SWMUs 151, 153, and 155. However, due to access issues encountered in the field, only one MIPS boring was advanced near SWMUs 151, two MIPS borings were advanced near SWMU 155, and no MIPS borings were advanced near SWMU 153. Selection of soil sampling locations from the MIPS borings was guided by the real-time data evaluation, including the identification of potential VOC and/or SVOC impacts and the identification of zones of higher permeability, and by other field conditions observed, such as visual observations and odors. Based on the MIPS data evaluation, soil samples (surface soil and subsurface

soil, depending on the location) were collected from two of the three MIPS boring locations. Depending on the location, soil samples were analyzed for Appendix IX VOCs, SVOCs, and metals.

During the DI, sampling of downgradient groundwater as a means by which to evaluate potential releases from SWMUs 153 and 158 was proposed and completed. Groundwater was collected from four locations (SWMU153-1, SWMU153-2, SWMU158-1, and SWMU158-2) and analyzed for Appendix IX VOCs, SVOCs, and metals (total) and formaldehyde. As noted in Section 4.1, groundwater samples for dissolved metals analysis were not collected as planned.

In the FDGI, additional sampling was completed around SWMU 158 to better delineate exceedances in groundwater identified during the DI. Six temporary well points (four in the shallow overburden and two in the deep overburden) were installed at SWMU158-3, SWMU158-4, SWMU158-5, and SWMU158-6 (SWMU158-3SO, SWMU158-3DO, SWMU158-4SO, SWMU158-5SO, SWMU158-6SO, and SWMU158-3DO). Groundwater was sampled from all temporary well points except SWMU158-4SO, which was dry. Groundwater samples were analyzed for VOCs (including dissolved formaldehyde) and site-specific SVOCs (total and dissolved 1,4-dioxane and dissolved naphthalene). Dissolved organics were analyzed during the FDGI to evaluate the potential for high bias in the turbid DI samples.

Table 5.1 provides the media sampled during each investigation and the respective analyte list for each media sampled. Boring logs are provided in Appendix G, and MIPS boring logs are provided in Appendix H.

5.6.3 Phase IV RFI Results

Soil

Constituents detected in soil samples from SWMUs 151 and 155 were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.14 and Appendix E, none of the organic constituents were detected above industrial soil SLs or historical fill 95% UTLs (where applicable) in the soil samples collected at either SWMU. Of the inorganic constituents, only arsenic exceeded the industrial soil SL in the subsurface soil (from a depth of 12 to 13 feet bgs) collected at SWMU155-1 (see Figure 5.12). However, the arsenic concentration in this native soil sample (4.18 mg/kg) was less than the range of statewide background values (5.9 to 13 mg/kg).

Two VOCs [chloroform and trichloroethylene (TCE)], one SVOC (naphthalene) and four metals (arsenic, barium, cobalt, and thallium) were detected above SSLs. VOC exceedances were limited to surface soil in SWMU 151 and were not observed in underlying deeper subsurface soil collected at the unit. Naphthalene was limited to one exceedance in subsurface soil collected from just above the water table (21 to 22 feet bgs) in boring SWMU151-1. Naphthalene was detected in overlying historical fill materials at concentrations less than the historical fill 95% UTL. Similar to VOCs in SWMU 151, barium and cobalt exceedances at the unit were observed in surface soil and were not observed in underlying deeper subsurface soil. Arsenic and cobalt concentrations in subsurface soil at SWMU 155 were less than or within the range of statewide background values. Thallium exceeded the SSL (from a depth of 12 to 13 feet bgs) collected at SWMU 155-1. However, thallium was less than the SSL in deeper subsurface soil collected at the boring from a depth just above the water table (22 to 23 feet bgs).

Groundwater

Constituents detected in groundwater samples from SWMUs 153 and 158 were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.15, formaldehyde (total) and 1,4-dioxane (total and dissolved) were detected above tap water SLs in SWMU 153 groundwater samples. 1,4-Dioxane (total) was detected in location SWMU153-1 at an estimated concentration of 12 J µg/L (the tap water SL is 0.46 µg/L). 1,4-Dioxane was not detected in soil upgradient of SWMU 153 at SWMU 155. Formaldehyde was detected in location SWMU153-2 at a concentration of 850 µg/L. Formaldehyde was not detected in location SWMU 153-1. However, the detection limit was greater than the SL. The tap water SL is 0.43 µg/L. Formaldehyde was not analyzed in upgradient SWMU 155 soil.

In the groundwater samples collected to evaluate SWMU 158, benzene and naphthalene exceedances were observed in SWMU158-1 (7 and 19 µg/L, respectively), and benzene, ethylbenzene, naphthalene, and xylene exceedances were observed in SWMU158-2 at concentrations of 1,200 µg/L, 130 µg/L, 5,200 µg/L and 540 µg/L, respectively. Naphthalene concentrations in SWMU 158-2 are potentially biased high to due turbidity in the unfiltered temporary hydropunch sample. The benzene, ethylbenzene, naphthalene, and xylene exceedances were delineated by step-out locations 158-3SO, 158-5SO and 158-6SO. 1,4-Dioxane was also detected in SWMU 158 groundwater at estimated concentrations ranging between 2 and 4 µg/L. 1,4-Dioxane was not detected in cross-gradient soil sampled at SWMU 151. Formaldehyde (total) was detected at a concentration of 45 µg/L in SWMU158-1. Dissolved formaldehyde concentrations were 50 B µg/L and 32 J µg/L, in step-out locations 158-3SO and 158-6SO, respectively. Similar to SWMU 153, formaldehyde was not detected in SWMU 158-1. However, the detection limit was greater than the SL. Formaldehyde was not analyzed in cross-gradient soil sampled at SWMU 151. Exceedance locations are detailed in Figure 5.13.

A few additional SVOCs, primarily PAHs, and most of the metals also exceeded the tap water SLs and Federal MCLs (where applicable) in the groundwater samples collected near SWMU 153 and SWMU 158; however, as noted above, these results are likely biased high due to turbidity in the unfiltered samples. As noted above, a release of metals from the overlying soil is not indicated.

5.6.4 Conclusions and Recommendations

The objective for SWMUs 151, 153, 155, and 158 has been met, and no further investigation is recommended.

No releases to soil were identified at SWMUs 151 and 155, and no further action for soil is recommended for these two SWMUs.

Due to access issues, soil samples could not be collected at SWMUs 153 and 158. As a result, sampling of downgradient groundwater was conducted to evaluate potential releases from the SWMUs. Based on the sampling conducted, a release to groundwater is indicated at SWMUs 153 and 158. Therefore, SWMUs 153 and 158 are recommended for further evaluation in the CMS. In addition, although groundwater was not sampled downgradient of SWMUs 151 and 155, consistent with the approach for other WCS pumping stations in the plant area, groundwater for these SWMUs will also be carried forward for further evaluation in the CMS.

5.7 SWMUs 121, 122, and 150

5.7.1 Unit Backgrounds

The locations of SWMUs 121, 122, and 150 are shown in Figures 5.1 and 5.14. SWMU 121 was the Hydrogen and Carbon Monoxide (HCO) Area Oil Storage Tank. Gaseous hydrogen and carbon monoxide were produced at the HCO Area until 1983, at which point an on-site contractor produced the gases. As of 1991, the majority of the equipment used in gas production had been removed. This unit was a 5,390-gallon, flat bottom, carbon steel tank that rested on a concrete pad. The tank was 7.5 feet in diameter and 15.5-feet tall with a closed top. The unit managed waste oil from the HCO Oil/Water Separator. Currently, this area is covered with gravel (see Appendix F).

SWMU 122 was the HCO Waste Lubricating Oil Collection Sumps. SWMU 122 consisted of collection sumps, which received waste oil and water from the compressors. The sump tanks were constructed of steel and had a 400-gallon capacity. As described in Section 3.5.4, an IRM was completed for this SWMU to bring the B-Plant building structure down safely. The trench and sump system required closure and backfilling. During the fall of 1996 and winter of 1997, the following activities were completed:

- All liquids were pumped off and sent to the WWTP.
- Sludges were consolidated and bulked with Portland cement and disposed of as non-hazardous.
- Trench walls and floors were steam cleaned and any large cracks or openings were sealed with concrete.
- Trenches were backfilled with a clean sand/gravel mix and graded, and backfilled areas topped with 6 inches of crusher-run gravel and 3 inches of asphalt to bring the area flush with the existing floor.

Following closure of the trenches, the B-Plant building structure was dismantled from mid-1997 to mid-1998. Currently, the area is covered with gravel (see Appendix F).

SWMU 150 is a WCS pumping station. The WCS consists of the plant sewer lines, a series of pumping stations (including SWMU 150), collection flumes, and ancillary pumps. The purpose of these units is to collect both sanitary and process wastewaters and convey the wastes to the WWTP. SWMU 150 is still in use and appears to have been upgraded (see Appendix F).

5.7.2 Phase IV RFI Activities

The objective of the Phase IV RFI at SWMUs 121, 122, and 150 was to determine whether a release had occurred in this area related to the HCO Area Oil Storage Tank, the HCO Waste Lubricating Oil Collection Sumps, and/or the WCS pumping station. Figure 5.14 shows the investigation locations and sampling completed for SWMUs 121, 122, and 150.

For the RA, two MIPS borings were proposed at SWMU 121, and 10 were proposed at SWMU 122. The two were completed for SWMU 121. However, only seven MIPS borings could be advanced near SWMU 122 due to the presence of underground obstructions. Selection of soil sampling locations from the MIPS borings was guided by the real-time data evaluation, including the identification of potential VOC and/or SVOC impacts and the identification of zones of higher permeability, and by other field conditions observed, such as visual observations and odors. Based on the MIPS data

evaluation, subsurface soil samples were collected from four of the nine MIPS boring locations. Depending on the location, soil samples were analyzed for Appendix IX VOCs, SVOCs, and metals.

Sampling of ditch material in the SWMU 150 pumping station was also proposed during the RA due to the observation of mercury in the drains and traps in the Control Laboratory, which flowed to SWMU 150. However, access issues prevented this sample from being collected.

During the subsequent DGI, subsurface soil samples and soil vapor were collected from one RA location (SWMU122-1) to better understand the MIPS log responses. Soil samples were analyzed for Appendix IX VOCs and SVOCs, formaldehyde, ammonia, and TOC. Soil vapor samples were analyzed for VOCs and dissolved gases.

During the DI, sampling of downgradient groundwater as a means by which to evaluate a potential release from SWMU 150 was proposed and completed. Two downgradient groundwater samples were collected for these SWMUs using a hydropunch as proposed in the DI Work Plan. Groundwater samples were analyzed for Appendix IX VOCs, SVOCs, and metals (total) and formaldehyde. As noted in Section 4.1, groundwater samples for dissolved metals analysis were not collected as planned.

Table 5.1 provides the media sampled during each investigation and the respective analyte list for each media sampled. Boring logs are provided in Appendix G, and MIPS boring logs are provided in Appendix H.

5.7.3 Phase IV RFI Results

Soil

Constituents detected in soil samples from SWMUs 121, 122, and 150 were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.16 and Appendix E, none of the organic constituents were detected above industrial soil SLs or historical fill 95% UTLs (where applicable) in the soil samples collected at each SWMU.

Of the inorganic constituents, only arsenic exceeded the industrial soil SL and historical fill 95% UTL values in the soil samples collected. In boring SWMU 121-2, arsenic was detected at a concentration of 34.5 mg/kg in subsurface soil (from a depth of 2 to 3 feet bgs) collected within historical fill materials. Arsenic also exceeded the industrial soil SL in deeper subsurface native soil (from a depth of 10 to 11 feet bgs) from SWMU121-2; however, the concentration (6.34 mg/kg) was within the range of statewide background values (5.9 to 13 mg/kg). Exceedance locations are detailed in Figure 5.15.

At SWMU122-6, arsenic also exceeded the industrial soil SL in the subsurface (10 to 11 feet bgs) native soil sample, but the concentration 8.2 mg/kg was within the statewide background values.

One VOC (formaldehyde), one SVOC (naphthalene), and two metals (arsenic and cobalt) were detected above SSLs. Formaldehyde was detected at a concentration of 6 J mg/kg in historical fill sampled from a depth of 5 to 6 feet bgs in boring SWMU122-1 (and 20 J mg/kg in the field duplicate sample). The SSL is 0.00174 mg/kg. Based on the MIPS response, formaldehyde was not analyzed in the boring in other intervals or other boring locations. Naphthalene exceedances were observed at a depth of 10 to 11 feet bgs in two locations (SWMU121-2 and SWMU122-6). However, no exceedances were observed in deeper intervals collected just above the water table. Similarly, arsenic and

cobalt concentrations in subsurface soil were less than or within the range of statewide background values.

Groundwater

Constituents detected in groundwater samples from SWMU 150 were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.17, of the organic constituents detected, 1,4-dioxane, benzene, and naphthalene exceeded the tap water SLs of 0.46, 0.45, and 0.17 µg/L, respectively, in SWMU150-1 with concentrations of 19 J, 5, and 22 µg/L, respectively. The benzene concentration was equal to the MCL. Benzene and naphthalene were also detected above tap water SLs in sample SWMU150-2. However, benzene was less than the MCL at this location. Formaldehyde was also detected above the tap water SL (0.43 µg/L) in SWMU150-1 and SWMU150-2. Formaldehyde concentrations at the locations were 100 µg/L and 62 µg/L, respectively. Exceedance locations are detailed in Figure 5.16.

Several SVOCs, primarily PAHs, and several metals also exceeded tap water SLs and Federal MCLs (where applicable) in the groundwater samples collected at SWMU 150; however, as noted for other hydropunch locations, these results are likely biased high due to turbidity in the unfiltered samples. PAH concentrations were higher in SWMU1501-1 than in SWMU150-2. Conversely, metals were detected higher in SWMU150-2 then in SWMU150-1.

Soil data were not collected at SWMU 150 during the Phase IV RFI to confirm whether the SWMU is a source of the detected constituents in groundwater.

Soil Vapor

Results for soil vapor are provided in Table 5.18. One soil vapor sample was sampled at SWMU 122 to better understand the MIPS log responses (see Section 5.1 for details). Acetone and methyl ethyl ketone were the highest observed detected concentrations in the sample [at 8,200 micrograms per cubic meter (µg/m^3) and 5,200 µg/m^3, respectively], which were also detected in soil collected at the same depth interval. As a result, the elevated response may be correlated with these detections.

5.7.4 Conclusions and Recommendations

The objective for SWMUs 121, 122, and 150 has been met, and no further investigation is recommended.

Based on the sampling conducted, a release of arsenic to soil is indicated at SWMU 121. However, this release appears to be associated with the presence of historical fill rather than a release from the unit. A release of formaldehyde to soil is indicated at SWMU 122. A release to groundwater is indicated at SWMU 150. As a result, SWMUs 121, 122, and 150 are recommended to be evaluated further in the CMS.

5.8 SWMUs 41A, 48, 73-76, 79, and 80

5.8.1 Unit Backgrounds

The locations of SWMUs 41A, 48, 73-76, 79, and 80 are shown in Figures 5.1 and 5.17. SWMU 41A is the Eastern Vazo Loading/Unloading Area. This area is used to load off-spec and product Vazo and was installed in the 1970s. The eastern area is 40 feet by 20 feet and has a concrete surface without berms (see Appendix F).

SWMU 48 is the Ag-Mature SBU Waste Loading Area. The unit began operation in the mid-1960s and is a 30 feet long, 10 feet wide asphalt pad. The unit is used for loading waste from the Ag-Mature SBU Hazardous Waste Tank (SWMU 46) into a Tank Wagon (SWMU 185). There are no curbs or dikes around this unit (see Appendix F). The runoff flows to a gravel pad that is adjacent to a drain, which flows to the WWTP.

SWMUs 73, 74, 75, and 76 are former bis(p-aminocyclohexyl) methane (PACM) Area Heel Tanks Nos. 1 through 4. These were four identical carbon steel, closed-top, 17,000-gallon units that were used to accumulate waste from the PACM process. These units were each 9 feet in diameter and 36 feet tall and were mounted on steel legs on a small concrete foundation surrounded by gravel. The units ceased operation and were cleaned out in 1988 when the PACM process stopped. The tanks were dismantled in 1998, and the area currently is covered with gravel, asphalt, and former concrete pads (see Appendix F).

SWMU 79 is the former PACM Unloading/Loading Area. This unit was a 15-foot wide by 30-foot long concrete pad that was used for loading a Tank Wagon (SWMU 185) with PACM waste. The pad did not have a dike or curb. The unit was last used in 1988. The area currently is covered with gravel, asphalt, and former concrete pads (see Appendix F).

SWMU 80 is the former PACM Area Trench and Sump System. This unit consisted of a series of concrete trenches and a concrete sump. The trenches were 18 inches wide and 6 to 12 inches deep. The sump was 5 feet wide, 8 feet long, and of unknown depth. The unit was used to collect process wastewater and runoff from the process area. The unit was closed and capped in 1998. The area currently is covered with gravel, asphalt, and former concrete pads (see Appendix F).

5.8.2 Summary of Previous RFI Activities and Results

During the Phase I RFI, hydropunch location HP-4 was advanced near the former PACM manufacturing area and the former Vazo Area, in the vicinity of this cluster of SWMUs (see Figure 5.17). Soil and groundwater were sampled at this location to evaluate soil and groundwater quality (see Tables 5.19 and 5.20). Samples were analyzed for Appendix IX VOCs, SVOCs, pesticides/herbicides, and metals. Results from these samples did not identify the area for further investigation as part of the Phase II RFI.

5.8.3 Phase IV RFI Activities

The objective of the Phase IV RFI at SWMUs 41A, 48, 73 through 76, 79, and 80 was to determine whether a release had occurred in this area related to the Eastern Vazo Loading/Unloading Area, the Ag-Mature SBU Waste Loading Area, the former PACM Area Heel Tanks Nos. 1 through 4, the former PACM Unloading/Loading Area Sumps, and/or the former PACM Area Trench and Sump System. Figure 5.17 shows the investigation locations and sampling completed for SWMUs 41A, 48, 73 through 76, 79, and 80.

For the RA, 18 MIPS borings were proposed at these SWMUs. However, only 11 MIPS borings could be advanced near these SWMUs due to the presence of multiple underground obstructions. MIPS boring advance included SWMU41A-1, SWMU41A-2, SWMU48-2, SWMU48-3, SWMU75-1, SWMU79-1, SWMU79-2, SWMU79-3, SWMU80-2, SWMU80-3, and SWMU80-4 (see Figure 5.17). Selection of soil sampling locations from the MIPS borings was guided by the real-time data evaluation, including the identification of potential VOC and/or SVOC impacts and zones of higher

permeability and by other field conditions observed, such as visual observations and odors. Based on the MIPS data evaluation, subsurface soil samples were collected from eight of the 11 MIPS boring locations. Depending on the location, soil samples were analyzed for Appendix IX VOCs, SVOCs, and metals.

For the subsequent DGI, additional sampling of soil and soil vapor was proposed at SWMU79-2 to better understand the MIPS log responses. One additional subsurface soil sample was collected and analyzed for Appendix IX VOCs and SVOCs, formaldehyde, ammonia, and TOC. However, the soil vapor sampling was not completed due to tight clay encountered at this location.

Table 5.1 provides the media sampled during each investigation and the respective analyte list for each media sampled. Boring logs are provided in Appendix G, and MIPS boring logs are provided in Appendix H.

5.8.4 Phase IV RFI Results

Constituents detected in soil samples from SWMUs 41A, 48, 73 through 76, 79, and 80 were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.19 and Appendix E, none of the organic constituents were detected above industrial soil SLs and historical fill 95% UTLs or statewide background values (where applicable). Of the inorganic constituents, arsenic, and cobalt were detected above industrial soil SLs. Exceedance locations are detailed on Figure 5.18. As detailed in the figure, arsenic concentrations in subsurface soil samples collected from native soil materials ranged between 4.4 mg/kg and 9.24 mg/kg, which were less than or within the range of statewide background values (5.9 mg/kg to 13 mg/kg). Cobalt was detected at a concentration of 45.7 mg/kg in subsurface soil (from a depth of 3 to 4 feet bgs) collected within historical fill materials from boring location SWMU 79-1. The industrial soil SL is 35 mg/kg, and the 95% UTL is 22 mg/kg. Ash, cinders, wood, and gravel were noted in the boring log for the location.

Three VOCs (benzene, chloroform, and formaldehyde), two SVOCs (hexachlorobenzene and naphthalene), and five metals (arsenic, cobalt, copper, mercury, and thallium) were detected above SSLs. Of the VOCs, benzene and chloroform exceedances were observed in shallow soil (3 to 4 feet bgs) and were not observed in deeper subsurface soil intervals collected from above the water table. Formaldehyde was detected at a concentration of 17 mg/kg in historical fill sampled from a depth of 8 to 9 feet bgs in boring SWMU79-2. The SSL is 0.00174 mg/kg. Elevated MIPS response at this depth appears to correlate with the formaldehyde detection. Based on the MIPS response, formaldehyde was not analyzed in the boring in other intervals or other boring locations. Similar to benzene and chloroform, the SVOCs were also observed in shallow soil and were either not detected or detected less than the SSL in deeper intervals sampled. Of the metals, copper and mercury exceedances were limited to shallow subsurface soil (from a depth of 3 to 4 feet bgs) in one boring location (SWMU79-1). Copper and mercury were detected less than the SSL in deeper subsurface soil collected at the boring just above the water table. As noted above, arsenic and cobalt concentrations in subsurface soil samples collected from each of the SWMUs just above the water table were less than or within the range of statewide background values. Thallium was detected above the risk-based SSL in two SWMU 79 boring locations (SWMU79-1 and SWMU79-2) but was less than the MCL-based SSL at each location.

Based on these results, only SWMU 79 was identified as having a release to soil. However, this release is likely to be associated with the historical fill and does not appear to be related to the wastes managed at this SWMU (i.e., PACM waste).

5.8.5 Conclusions and Recommendations

The objective for SWMUs 41A, 48, 73-76, 79, and 80 has been met, and no further investigation is recommended.

Based on the sampling conducted, a release to soil is not indicated at SWMUs 41A, 48, 73-76, and 80. As a result, no further action is recommended for these units.

A localized release of formaldehyde, copper, and cobalt to soil is indicated at SWMU 79. However, this release appears to be associated with the presence of historical fill rather than a release from the unit. However, SWMU 79 is recommended for further evaluation in the CMS.

5.9 SWMUs 64 and 67 and the Methylene Dianiline (MDA) Area

5.9.1 Unit Background

SWMUs 64 and 67 are located in the former MDA Area and are shown in Figures 5.1 and 5.19. The MDA process operated from 1962 to 1988 and produced MDA. The MDA was used as an intermediate for textile fibers and automotive plastic. The MDA process generated two waste products: brine and tar. The brine contained water, sodium chloride, and aniline. The tar was made up of nonhazardous wastes.

SWMU 64 is the former MDA Tar Storage Tank, which was a vertical, flat bottom, 10,500-gallon capacity carbon steel tank. The tank was 10 feet in diameter, 17 feet tall and was located on a concrete pad. The unit was used to accumulate MDA tar from the MDA process until it was dismantled in 1999.

SWMU 67 is the former MDA Trench and Sump System, which consisted of a series of acid brick lined concrete trenches and sump. The trenches are 18 inches wide and 6 to 12 inches deep. The trenches all drain to a 6-foot wide, 10-foot long, and 15-foot deep sump. The unit was used to collect process wastewater and runoff from the MDA Area. The unit was last used in 1988, prior to the shutdown of the MDA process.

All structures associated with the MDA process were dismantled, and the surface area at the former MDA Area is covered with asphalt (see Appendix F).

5.9.2 Summary of Previous RFI Activities and Results

During the Phase I RFI, well MW-70-SO was installed in the shallow overburden adjacent to hydropunch location HP-70. Soil and groundwater were sampled and analyzed for Appendix IX VOCs, SVOCs, pesticides/herbicides and metals, and cyanide. VOC exceedances were observed in the groundwater samples.

Additional investigation at the former MDA Area took place during the Phase II RFI. During that investigation, four hydropunch borings were completed (MDA-HP-1 through MDA-HP-4). Groundwater was sampled from all four locations, and soil was sampled from MDA-HP-3 and MDA-HP-4 based on field PID responses. Soil samples were analyzed for VOCs, SVOCs, select metals, and TOC. Groundwater samples were analyzed for VOCs, SVOCs, select metals, and inorganics. One metal (mercury) was detected above the industrial soil SL in subsurface soil sampled at boring location

MDA-HP-4 (see Table 5.21 and Figures 5.19 and 5.20). However, the detection appears to be associated with the presence of historical fill rather than a release from the MDA Area.

5.9.3 Phase IV RFI Activities

Based on the Phase I RFI and Phase II RFI results, the objective of the Phase IV RFI at SWMUs 64 and 67 and the MDA Area in general, was to determine whether a release had occurred in this area related to the former MDA Tar Storage Tank and/or the former MDA Trench and Sump System and to gather additional information on the groundwater quality in the MDA Area. Figure 5.19 shows the investigation locations and sampling completed for SWMUs 64 and 67.

During the RA, five MIPS borings were proposed at these SWMUs, two at SWMU 64 and three at SWMU 67. However, no MIPS borings could be advanced near these SWMUs due to the presence of multiple underground obstructions. Therefore, sampling of downgradient groundwater was proposed and completed during the DI. Five hydropunch boring locations were proposed, and four were completed (MDA-1, MDA-3, MDA-4, and MDA-5). MDA-2 was not completed due to underground obstructions encountered at that location. Groundwater samples were analyzed for Appendix IX VOCs and SVOCs and formaldehyde.

Table 5.1 provides the media sampled during each investigation and the respective analyte list for each media sampled. Boring logs are provided in Appendix G.

5.9.4 Phase IV RFI Results

Constituents detected in groundwater samples from SWMUs 64 and 70 and the MDA Area were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.22, three VOCs (benzene, carbon tetrachloride, and chloroform) exceeded tap water SLs in four Phase IV RFI sample locations. As shown in Figure 5.21, historically, the highest exceedance of benzene (250 µg/L) was observed at HP-70 during the Phase I RFI in 2000. However, during the Phase IV RFI, benzene concentrations were lower, ranging between 0.5 J µg/L and 0.6 J µg/L. The tap water SL is 0.45 µg/L, and the Federal MCL is 5 µg/L. Carbon tetrachloride concentrations in groundwater ranged between 3 J µg/L and 100 µg/L. The tap water SL is 0.45 µg/L, and the Federal MCL is 5 µg/L. The highest concentration was observed in MDA-3. Carbon tetrachloride was not detected in the historical RFI samples. Chloroform concentrations ranged between 2 J µg/L and 77 µg/L, which is above the tap water SL (0.22 µg/L) but less than the Federal MCL (80 µg/L).

The Phase IV RFI hydropunch samples also had exceedances of SVOCs (PAHs); however, as noted for other hydropunch locations, these results are likely biased high due to turbidity in the unfiltered samples. PAHs were not detected in adjacent shallow overburden monitoring well MW-70-SO during sampling conducted in November 2014.

5.9.5 Conclusions and Recommendations

The objective for SWMUs 64 and 67 and for the MDA Area in general, has been met, and no further investigation is recommended. The collection of additional groundwater quality data assisted to refine the nature and extent of previously identified groundwater releases. The source of the release is attributed to processes associated with the MDA Area. As a result, SWMUs 64 and 67 and the MDA Area are recommended to be evaluated further in the CMS.

5.10 SWMUs 190 and 192

5.10.1 Unit Background

The locations of SWMUs 190 and 192 are shown in Figures 5.1 and 5.22. SWMU 190 was the acetone cyanhydrin (ACN) Spill Tank. The SWMU is a closed, horizontal, carbon steel tank with a capacity of 10,350 gallons. The tank was suspended over Simmons Creek and was used to accumulate runoff from the pad beneath the ACN manufacturing unit. The tank was removed, and currently the metal support structure appears to be intact (see Appendix F).

SWMU 192 is Inactive Disposal Area 9. This SWMU underlies 6 acres of the Main Process Area. Incinerator residue, organic waste, and lime were placed in the unit and covered with earth. The area is currently covered with gravel and asphalt.

5.10.2 Phase IV RFI Activities

The objective of the Phase IV RFI at SWMUs 190 and 192 was to determine whether a release had occurred in this area related to the ACN Spill Tank or to the materials in Inactive Disposal Area 9. Figure 5.22 shows the investigation locations and sampling completed for SWMUs 190 and 192.

For the RA, two surficial ditch sediment samples were completed as proposed in the Phase IV Work Plan for SWMU 190 within Simmons Creek, downgradient of the location of the former tank. Ditch sediment samples were analyzed for Appendix IX VOCs and SVOCs. For SWMU 192, 12 locations were proposed for MIPS borings. However, because the MIPS was no longer at the site when this work was conducted, 13 soil borings were installed instead. Surface and subsurface soil samples were collected from the boring locations and analyzed for Appendix IX VOCs, SVOCs and metals, and dioxins/furans. Soil depths selected for sampling was based on field conditions observed, such as visual observations and odors.

During the DI, additional surface soil samples were collected from step-out locations around two RA borings (SWMU192-2 and SWMU192-13), and additional subsurface soil samples were collected from step-out locations around one RA boring (SWMU192-4). Soil samples in the delineation locations were analyzed for PAHs and dioxins/furans, depending on the location.

Table 5.1 provides the media sampled during each investigation and the respective analyte list for each media sampled. Boring logs are provided in Appendix G.

5.10.3 Phase IV RFI Results

Soil

Constituents detected in soil samples from SWMU 192 were compared to the screening criteria presented in Section 4.4. As detailed in Tables 5.10 and 5.23 and Appendix E, one VOC (formaldehyde), PAHs and dioxin/furans were detected above industrial soil SLs and historical fill 95% UTLs, where applicable.

PAHs were detected above industrial soil SLs in subsurface soil samples collected at SWMU192-4 and the three step-out locations (SWMU192-4-1, SWMU192-4-2 and SWMU192-4-3). Benzo(a)pyrene concentrations in the subsurface soil samples ranged between 1.8 mg/kg and 3.8 mg/kg. The industrial soil SL is 0.29 mg/kg, and the historical fill 95% UTL is 0.69 mg/kg. PAH exceedances were also observed in surface soil in

boring location SWMU 192-13 but were delineated below the SLs and historical fill 95% UTLs by the three step-out locations. Exceedance locations are detailed in Figure 5.23.

Dioxin/furan total TEQs were determined for the SWMU 192 soil samples. The total TEQ of 2,3,7,8-TCDD exceeded the industrial soil SL in surface soil sampled from boring location SWMU192-2 and the three step-out locations (SWMU192-2-1, SWMU192-2-2, and SWMU192-2-3). However, the total TEQs, which ranged between 36.1 ng/kg and 362 ng/kg, were less than the PRG (660 ng/kg). 2,3,7,8-TCDD was not detected above the industrial soil SL in any sample. The total TEQ was driven by furans such as 1,2,3,4,6,7,8-heptachlorodibenzofuran (HPCDF), 1,2,3,4,7,8-hexachlorodibenzofuran (HXCDF), and octachlorodibenzofuran (OCDF).

In samples collected from historical fill materials, no inorganic constituents were detected above industrial soil SLs and historical fill 95% UTLs. In samples collected from native soil materials beneath these units, arsenic was detected above the industrial soil SL in boring locations SWMU192-2, SWMU192-11, SWMU192-12, and SWMU192-13 but was less than or within the range of statewide background levels (5.9 to 13 mg/kg). Arsenic concentrations in the subsurface soil samples in these locations ranged between 4.78 m/kg to 8.9 mg/kg.

Three VOCs (carbon tetrachloride, chloroform, and formaldehyde), six SVOCs (PAHs) and six metals (arsenic, cobalt, copper, lead, mercury, and thallium) were detected above SSLs. Of the VOCs, formaldehyde most frequently exceeded the SSL (of 0.00174 mg/kg), including intervals collected just above the water table. Formaldehyde concentrations ranged between 1.3 J mg/kg and 84 mg/kg. SSL exceedances for the other two VOCs were observed in surface soil and near surface soil (depths of 3 to 4 feet bgs) but were not observed in subsurface soil samples collected just above the water table. PAH exceedances were observed in surface soil and shallow subsurface fill materials (to a depth of 8 feet bgs). However, PAHs did not exceed SSLs in deeper subsurface soil intervals collected from just above the water table. Of the metals, arsenic and cobalt in native soil were within the range of statewide background concentrations. Copper, lead, and thallium exceedances were limited to surface soil fill materials and were detected less than SSLs in deeper subsurface soil. Similarly, mercury exceedances were observed in surface soil in three of four exceedance locations but were detected less than SSLs in deeper subsurface soil.

Ditch Sediment

Constituents detected in ditch sediment samples from SWMU 190 were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.23 and Appendix E, no exceedances were observed in the ditch sediment samples.

5.10.4 Conclusions and Recommendations

The objective for SWMUs 190 and 192 has been met, and no further investigation is recommended.

No releases are indicated at SWMU 190, and no further action is recommended at this SWMU.

Based on the soil sampling conducted, a release of formaldehyde, PAHs, and dioxins/furans to soil was identified at SWMU 192. The source of these constituents is consistent with the type of waste materials disposed of at the unit. As a result, SWMU 192 is recommended for further evaluation in the CMS.

5.11 SWMUs 160 and 161

5.11.1 Unit Backgrounds

The locations of SWMUs 160 and 161 are provided in Figures 5.1 and 5.24. SWMU 160 is the WCS-North Flume. The WCS consists of the plant sewer lines, a series of pumping stations, collection flumes (SWMUs 160 and 161), and ancillary pumps. The purpose of these units is to collect both sanitary and process wastewaters and convey the wastes to the WWTP. The North Flume was constructed of an 18-inch diameter fiber-reinforced Furan pipe, which is mounted above the Simmons Creek on steel legs (see Appendix F). Various sewer lines from the northern part of the plant discharge to the North Flume.

SWMU 161 is the WCS-South Flume. The South Flume was constructed of a 24-inch diameter semicircular fiber-reinforced Furan trough (see Appendix F). The flume has a chemical resistant cover and is mounted above the Simmons Creek on steel legs. The flume acts as the central wastewater collector for the southern half of the plant.

As discussed in Section 2.3, within the Plant Area, the natural drainage of Simmons Creek has been channelized to concrete conveyances and, as a result, does not provide any ecological habitat. Photographs of SWMUs 160 and 161, which show Simmons Creek, are included in Appendix F.

5.11.2 Phase IV RFI Activities

The objective of the Phase IV RFI at SWMUs 160 and 161 was to determine whether a release had occurred in this area related to the WCS-North Flume and/or the WCS-South Flume. To meet this objective, sampling of ditch sediment from six locations near the North Flume and from three locations within the South Flume was proposed and completed. Ditch sediment samples were analyzed for Appendix IX VOCs, SVOCs, and metals. Figure 5.24 details the investigation locations.

5.11.3 Phase IV RFI Results

Constituents detected in ditch sediment samples from SWMUs 160 and 161 were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.24 and Appendix E, of the organic constituents detected, several PAHs were detected above industrial soil SLs in one ditch sediment location SWMU161-1. The sample was collected from an area of deposition, which receives runoff from the surrounding areas. One PAH [benzo(a)pyrene] was also detected above the industrial soil SL in ditch sediment location SWMU160-1. PAH exceedances were less than industrial soil SLs in downstream sediment samples collected as part of the SWMU 190 investigation (see Table 5.23). The presence of PAHs in the ditch sediment samples is considered a result of surface runoff from the surrounding area into the ditch than a release from the overhead flumes.

Of the inorganic constituents detected, only arsenic was detected above the industrial soil SLs in the ditch sediment samples collected. Arsenic concentrations in the ditch sediment samples ranged between 3.23 mg/kg and 6.39 mg/kg, which is less than or within the range of statewide background levels (5.9 mg/kg to 13 mg/kg). Exceedance locations are detailed in Figure 5.25.

5.11.4 Conclusions and Recommendations

The objective for SWMUs 160 and 161 has been met, and no further investigation is recommended.

Based on the ditch sediment sampling conducted, a release is not indicated at either SWMU. The presence of PAHs in the ditch sediment is believed to be consistent with surface runoff from the area rather than a release from the units. Therefore, no further action is recommended for these SWMUs, and these SWMUs will not be evaluated further in the CMS.

5.12 AOC F and SWMUs 53, 115, and 147

5.12.1 Unit Backgrounds

The locations of AOC F and SWMUs 53, 115, and 147 are shown in Figures 5.1 and 5.26. AOC F is the formaldehyde spill. On August 8, 1983, a process pump failed, and approximately 4,000 pounds of a 56% formaldehyde solution was released to the containment system, which overflowed into a storm sewer that discharged to Simmons Creek. The formaldehyde rapidly dissipated in air and water, and none of the material was recovered.

SWMU 53 is the Ag-Mature SBU Wet Benlate Trench and Sump System. This unit consists of a series of floor trenches and sumps, which vary in size and construction. The trenches are covered with steel plate or gratings. The trenches are used to collect runoff and floor washing wastewater from the process areas and convey it to the sumps. All wastewater collected in the sumps is conveyed to the WWTP. Currently, the unit appears functional but does not appear to be in use (see Appendix F).

SWMU 115 was the Chemical and Pigments (C&P) West Trench and Sump System. The C&P West Area of the plant produces methylamines by way of reactions taking place in columns and dehydrators. SWMU 115 is a series of trenches and sumps, which vary in size and construction materials (see Appendix F). The trenches are covered with steel grates and/or boiler plates. This unit currently manages surface runoff and is inspected quarterly.

SWMU 147 is a WCS pumping station. The WCS consists of the plant sewer lines, a series of pumping stations (including SWMU 154), collection flumes, and ancillary pumps. The purpose of these units is to collect both sanitary and process wastewaters and convey the wastes to the WWTP. This pumping station is still in use (see Appendix F).

5.12.2 Summary of Previous RFI Activities and Results

During the Phase I RFI, hydropunch HP-3 was completed to provide soil and groundwater quality data from within SWMU 192. This location is also downgradient of SWMU 53; therefore, results from HP-3 were evaluated for this SWMU as well. Soil and groundwater samples from the location were analyzed for Appendix IX VOCs, SVOCs, pesticides/herbicides, and metals. As shown in Table 5.25, no constituents were detected above industrial soil SLs and historical fill 95% UTLs in the soil sample. Groundwater exceedances of tap water SLs were limited to heptachlor, arsenic (total and dissolved) and total mercury in the hydropunch location. Total and dissolved arsenic were also detected above the Federal MCL (see Table 5.26).

5.12.3 Phase IV RFI Activities

The objective of the Phase IV RFI at AOC F and SWMUs 53 and 115 was to determine whether a release had occurred in this area related to the formaldehyde spill, the Ag-Mature SBU Wet Benlate Trench and Sump System, and/or the C&P West Trench and Sump System. Figure 5.26 shows the investigation locations and sampling completed for AOC F, SWMUs 53, 115, and 147.

During the RA, to evaluate potential impacts from AOC F, three surficial ditch sediment samples were proposed and completed in Simmons Creek downgradient of where the discharge pipe entered the concrete conveyance. Ditch sediment samples were analyzed for formaldehyde. To evaluate SWMUs 53 and 115, five and six MIPS borings, respectively, were proposed. However, due to an underground obstruction in this part of the plant area, only four and two MIPS boring were completed at SWMUs 53 and 115, respectively. Based on the MIPS data evaluation, surface and subsurface soil samples were collected from three of the six MIPS boring locations. Soil samples were analyzed for Appendix IX VOCs, SVOCs, formaldehyde and metals.

SWMU 147 was not included in the Phase IV Work Plan because the Decision Tree Evaluation Process initially identified this SWMU as investigation deferred due to access issues. However, upon completion of the MIPS boring associated with SWMU 115, the samples collected from boring SWMU115-2 were found to be close enough to SWMU 147 to be used for release evaluation.

Table 5.1 provides the media sampled during each investigation and the respective analyte list for each media sampled. Boring logs are provided in Appendix G, and MIPS boring logs are provided in Appendix H.

5.12.4 Phase IV RFI Results

Soil

Constituents detected in soil samples from SWMUs 53 and 115 were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.25 and Appendix E, none of the constituents were detected above industrial soil SLs, historical fill 95% UTLs, or statewide background values.

Two VOCs (chloroform and formaldehyde), two SVOCs (hexachlorobenzene and naphthalene), and three metals (arsenic, cobalt, and copper) were detected above SSLs. Of the organics, only formaldehyde was detected above SSLs in both surface and subsurface soil collected at boring SWMU115-3. Formaldehyde concentrations decreased with depth. Arsenic and cobalt concentrations were less than statewide background levels. Copper, which was detected above the SSL in surface soil at boring SWMU53-1, was also detected at a concentration consistent with statewide background levels in deeper native soil.

Ditch Sediment

As detailed in Table 5.25 and Appendix E, formaldehyde was not detected in the ditch sediment samples (AOCF-1, AOCF-2 and AOCF-3).

5.12.5 Conclusions and Recommendations

The objective for AOC F and SWMUs 53 and 115 has been met, and no further investigation is recommended. A release of formaldehyde to soil is indicated at SWMU 115. Therefore, SWMU 115 is recommended for further evaluation in the CMS.

Although groundwater was not sampled downgradient of SWMU 147, consistent with the approach for other WCS pumping stations in the plant area, groundwater for this SWMU will be carried forward for further evaluation in the CMS.

5.13 SWMU 148

5.13.1 Unit Background

The location of SWMU 148 is shown in Figures 5.1 and 5.27. SWMU 148 is a WCS pumping station. The WCS consists of the plant sewer lines, a series of pumping stations (including SWMU 145), collection flumes, and ancillary pumps. The purpose of this SWMU is to collect both sanitary and process wastewaters and convey the wastes to the WWTP.

5.13.2 Phase IV RFI Activities

SWMU 148 was not included in the Phase IV Work Plan because the Decision Tree Evaluation Process initially identified this SWMU as investigation deferred due to access issues. However, during the DI, sampling of groundwater at two locations downgradient of this SWMU (SWMU148-1 and SWMU148-2) was proposed and completed to evaluate potential releases. Groundwater was analyzed for Appendix IX VOCs, SVOCs, and metals (total). As noted in Section 4.1, groundwater samples for dissolved metals analysis were not collected as planned.

During the FDGI, additional groundwater samples were collected from four shallow overburden (148-3SO through 148-6SO) and four deep overburden (148-3DO through 148-6DO) temporary well points to delineate organic exceedances in groundwater. Groundwater samples were analyzed for select SWMU-related constituents, depending on the location.

Because of access issues, soil samples were not collected at SWMU 148. However, a soil boring that was completed for adjacent SWMU 192 (SWMU192-5) was found to be in a location that could also be used to evaluate releases from this SWMU.

Table 5.1 provides the media sampled during each investigation and the respective analyte list for each media sampled. Boring logs are provided in Appendix G.

5.13.3 Phase IV RFI Results

Soil

Constituents concentrations detected in soil samples (collected in SWMU 192) were used to evaluate SWMU 148 using screening criteria presented in Section 4.4. As detailed in Table 5.27 and Appendix E, no constituents were detected above industrial soil SLs, historical fill 95% UTLs, or statewide background values.

One VOC (formaldehyde) and four metals (cobalt, copper, lead, and thallium) were detected above SSLs. Formaldehyde exceeded in the surface soil and subsurface soil sample interval. Concentrations were 33 J mg/kg and 36 mg/kg, respectively. Of the metals, copper and lead exceeded SSLs in the surface soil sample interval while cobalt and thallium exceeded SSLs in the subsurface soil sample interval. Cobalt concentrations were within the range of statewide background values. Thallium was detected above the risk-based SSL in the subsurface soil interval but was less than the MCL-based SSL.

Groundwater

Constituents detected in groundwater samples from or near SWMU 148 were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.28, the following eight VOCs were detected above tap water SLs: 2-hexanone, acetonitrile, benzene, chlorobenzene, ethylbenzene, formaldehyde, toluene, and xylenes. Benzene and chlorobenzene were also detected above the Federal MCL. Benzene was detected at a concentration of 1,500 µg/L in SWMU148-1. The Federal MCL is 5 µg/L. Chlorobenzene was detected at a concentration of 1,200 µg/L also in SWMU 148-1. The Federal MCL is 100 µg/L. Benzene and chlorobenzene were not detected in delineation shallow overburden locations 148-3SO, 148-4SO, 148-5SO, and 148-6SO. Exceedance locations are detailed in Figure 5.28.

Formaldehyde was detected at a concentration of 6,100 µg/L in location SWMU148-2, which was above the tap water SL of 0.43 µg/L. Formaldehyde concentrations in filtered samples collected from delineation deep overburden locations ranged between 26 J µg/L and 39 J µg/L. Groundwater samples from these temporary locations were filtered to evaluate the potential for high bias due to turbidity.

1,4-Dioxane was detected above the tap water SL (0.46 µg/L) in two locations (SWMU148-1 and SWMU148-6SO) at concentrations of 6 µg/L and 1 µg/L, respectively. 1,4-Dioxane was also detected above the tap water SL in three delineation deep overburden locations (SWMU148-4DO, SWMU148-5DO, and SWMU148-6DO). Concentrations in the filtered samples ranged between 1 J µg/L and 13 µg/L. Similar to above, groundwater samples from these temporary locations were filtered to evaluate the potential for high bias due to turbidity.

Additional SVOCs, primarily PAHs, and all of the metals also exceeded the tap water SLs and Federal MCLs (where applicable) in the groundwater samples collected from locations SWMU148-1 and SWMU148-2; however, as noted above, these results are likely biased high due to turbidity in the unfiltered samples. A release of these constituents from the overlying soil is also not indicated.

5.13.4 Conclusions and Recommendations

The objective for SWMU 148 has been met, and no further investigation is recommended.

Based on the soil samples evaluated, a release of formaldehyde to soil is indicated. A release to groundwater is also indicated. The source of the release is unknown. SWMU 148 is recommended for further evaluation in the CMS.

5.14 SWMUs 97, 105, 106, 109, and 149 and the Small Lots Manufacturing Area

5.14.1 Unit Background

SWMUs 97, 105, 106, 109, and 149 are shown in Figures 5.1 and 5.29. SWMU 97 is a system of trenches and sumps that are used to collect wastewater from the Methacrylates area. The trenches discharge to sumps, which discharge to the WWTP. SWMU 105 was the SLM Indoor Trench and Sump System, while SWMU 106 was the SLM Outdoor Trench and Sump System (see Appendix F). SWMU 109 was the SLM Satellite Accumulation Area. SWMU 149 is a WCS pumping station, which is still in use.

All of the above described SWMUs lie within the SLM Area. The SLM Area at the plant has been active since 1938 and has produced a variety of batch products of herbicide intermediates known as sulfonylureas. The wastes produced in the SLM Area included corrosive wastes and spent solvents such as xylene, toluene, and chlorobenzene.

5.14.2 Summary of Previous RFI Activities and Results

During the Phase I RFI, a Geoprobe was used to sample soil and groundwater at one location, HP-34, within the SLM Area. The sample location was installed adjacent to the SLM trench and sump system (SWMU 106). Soil and groundwater samples from the location were analyzed for VOCs, SVOCs, and metals. Benzene and chlorobenzene exceeded SLs in soil and groundwater. Arsenic and cobalt in native soil were above SLs or SSLs, but were within statewide background levels. Iron and manganese were also above SSLs.

During the Phase II RFI, three borings (SLM-HP-1, SLM-HP-2, and SLM-HP-3) were installed around HP-34 to evaluate the horizontal extent of constituents detected during the Phase I RFI in soil and groundwater. Soil and groundwater samples were analyzed for VOCs, SVOCs, and select metals. The key findings of the Phase II RFI (DuPont CRG, 2003a) at the SLM Area included the following:

- Benzene and chlorobenzene exceeded screening criteria in groundwater samples. Concentrations are lower at the eastern side of the plume. The area of impact was not delineated due to the restricted space within the active (at that time) manufacturing area and underground obstructions at the SLM Area.
- The source of the impacted groundwater is likely to be one of the SWMUs located nearby. Spent solvents were handled at most of the SWMUs in the SLM Area. However, the exact source(s) is currently unknown.

5.14.3 Phase IV RFI Activities

During the Phase IV investigation, several SWMUs associated with SLM and one SWMU not associated with SLM, but located in this area, were evaluated to delineate the release identified during Phase I and Phase II RFI. Figure 5.29 shows the investigation locations and sampling completed for SWMUs 97, 105, 106, 109, 149, and the SLM Area.

During the RA, one surface soil sample was to be collected at SWMU 109. However, the exact location of this SWMU could not be found; therefore, the soil sampling was not conducted.

As part of an addendum to the RA, soil and groundwater sample locations were installed at the SLM Area. It was determined that the locations (SLM-2 through SLM-13) installed during the investigation could also be used to evaluate SWMUs 97, 106, and 149, which are located within the SLM Area. Soil and groundwater samples were analyzed for Appendix IX VOCs from the locations.

During the DI, two additional groundwater samples were proposed to better delineate the area of impact identified during the SLM Area investigation. Groundwater samples from these two locations, SLM-1GW and SLM-2-GW, were analyzed for select VOCs.

Finally, additional delineation sampling was proposed as part of the FDGI to further delineate groundwater to the northwest of the SLM Area. Three shallow overburden and one deep overburden temporary well points were installed (SLM-14, SLM-15, and

SLM-16), and groundwater samples from the locations were analyzed for select VOCs and SVOCs.

Table 5.1 provides the media sampled during each investigation and the respective analyte list for each media sampled. Boring logs are provided in Appendix G.

5.14.4 Phase IV RFI Results

Soil

Constituents detected in soil samples used to evaluate SWMUs 97, 105, 106, and 149 and the SLM Area were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.29 and Appendix E, of the organic constituents, two VOCs (ethylbenzene and xylenes) were detected above industrial soil SLs in one subsurface soil sample (from a depth of 14 to 15 feet bgs) in boring location SLM-11. As shown in Figure 5.30, adjacent samples had no exceedances of these constituents.

One inorganic constituent, arsenic, was detected in native subsurface soil samples above the industrial soil SL (3 mg/kg). Arsenic concentrations, which ranged between 4.5 mg/kg and 6.1 mg/kg, were less than or within the range of statewide background values (5.9 mg/kg to 13 mg/kg).

Three VOCs (chlorobenzene, ethylbenzene, and xylenes) were detected above SSLs. Exceedances were observed in two locations (SLM-7 and SLM-11).

Groundwater

Constituents detected in groundwater samples used to evaluate SWMUs 97, 105, 106, and 149 and the SLM Area were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.30 and Appendix E, the following eight constituents were detected above tap water SLs: 1,2-dichlorobenzene, 1,4-dichlorobenzene, acetone, benzene, chlorobenzene, ethylbenzene, toluene, and xylenes. Benzene, chlorobenzene, and ethylbenzene were also detected above Federal MCLs. With the exception of acetone, exceedances were observed in more than one location. As indicated in Figure 5.31, delineation was achieved to the southeast but is incomplete to the northwest and west. Sampling in this area is difficult due to the active manufacturing operations and the infrastructure.

Two SVOCs (naphthalene and 1,4-dioxane) exceeded tap water SLs in one shallow overburden location (SLM-15SO). 1,4-Dioxane also exceeded the tap water SL in filtered samples collected from deep overburden location SLM-14DO. 1,4-Dioxane concentrations were 7 µg/L and 34 µg/L, respectively. The tap water SL is 0.46 µg/L.

These results indicate that a release to groundwater exists in SLM, and the releases are related to the process in the SLM Area.

5.14.5 Conclusions and Recommendations

Although one of the SWMUs (SWMU 109) could not be located in this area, based on the sampling that was conducted, the objective for the SLM Area has been met. Therefore, no further investigation is recommended.

Based on the sampling conducted, a localized release of VOCs to soil is indicated. The source of the release is the SLM Area. A release of VOCs and SVOCs to groundwater is also indicated. The source of the groundwater release is also the SLM Area. However, there may be commingling of the release to groundwater identified near SWMU 148 with

the release identified in the SLM Area although the suites of constituents are slightly different. Further evaluation of the SLM Area (and SWMUs located within this area) in the CMS is recommended.

5.15 SWMUs 58 and 189

5.15.1 Unit Backgrounds

The locations of SWMUs 58 and 189 are provided in Figures 5.1 and 5.32. As stated above in Section 5.3.1, the Ag-Mature Brine Treatment System consists of SWMUs 54 through 62. The system is used to treat waste brine generated during the manufacture of an agricultural fungicide. SWMU 58 is the Ag-Mature SBU Brine Treatment System-Ammonia Stripper. The stripper is on a concrete pad, which has a containment berm and is currently in use for extracting volatiles from the two plant processes (see Appendix F).

SWMU 189 is the Hexazinone Waste Brine Railcars. This SWMU consists of 10,000-gallon steel tank cars although, currently, only one tank car is used. The tank car is stored on the gravel rail bed and is used to accumulate waste brine from the hexazinone intermediate process. Currently, secondary containment consists of a tray on the rail bed below the tank cars (see Appendix F).

5.15.2 Phase IV RFI Activities

The objective of the Phase IV RFI at SWMUs 58 and 189 was to determine whether a release had occurred in this area related to the Ag-Mature SBU Brine Treatment System-Ammonia Stripper, and/or Hexazinone Waste Brine Railcar. Figure 5.32 shows the investigation locations and sampling completed for SWMUs 58 and 189.

During the RA, three MIPS borings were proposed for SWMU 58, and one surface soil sample was proposed for SWMU 189. While in the field, four MIPS borings were completed near SWMU 58. Based on the MIPS data evaluation, subsurface soil samples were collected from two of the four MIPS boring locations. Soil samples were analyzed for Appendix IX VOCs, SVOCs and metals and ammonia. However, access issues prevented collection of the soil sample at SWMU 189.

During the subsequent DGI, additional subsurface soil samples were collected at one RA location (SWMU58-2) to better understand the MIPS log responses in relation to the analytical results (see Section 5.1 for more details). Soil samples from the boring location were analyzed for formaldehyde, select metals, ammonia, and TOC.

During the DI, sampling of downgradient groundwater was proposed and completed at two locations (SWMU58-1GW and SWMU58-2GW). Groundwater samples from the locations were analyzed for benzene. Sampling of downgradient groundwater to evaluate SWMU 189 was also proposed in the DI Work Plan. However, during the DI, the access issues at SWMU 189 were resolved and the surface soil sampling originally proposed in the RA was completed and the downgradient groundwater sampling was not attempted. Surface soil sample was collected from the location and analyzed for Appendix IX VOCs, SVOCs, and metals.

Table 5.1 provides the media sampled during each investigation and the respective analyte list for each media sampled. Boring logs are provided in Appendix G, and MIPS boring logs are provided in Appendix H.

5.15.3 Phase IV RFI Results

Soil

Constituents detected in soil samples used to evaluate SWMUs 58 and 189 were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.31 and Appendix E, of the organic constituents detected, two PAHs [benzo(a)pyrene and dibenz(a,h)anthracene] were detected above industrial soil SLs and historical fill 95% UTLs (where applicable) in surface soil and subsurface soil samples collected from one boring in SWMU 58 (SWMU58-2) and in surface soil collected from one boring in SWMU 189 (SWMU189-1). Exceedance locations are detailed in Figure 5.33. At SWMU189-1, benzo(A)pyrene exceeded the HF 95% UTL of 0.69 mg/kg in the 0.5 to 1 foot bgs sample with a concentration of 0.3 J, while the duplicate sample at 07.3 J mg/kg did not.

Of the inorganic constituents, only arsenic exceeded the industrial soil SL in two SWMU 58 boring locations (SWMU58-2 and SWMU58-4). Arsenic concentrations in subsurface soil samples collected within native soil ranged between 4.67 and 8.65 mg/kg, which is less than or within the range of statewide background values (5.9 mg/kg to 13 mg/kg).

Two VOCs (benzene and formaldehyde), seven SVOCs (PAHs), and four metals (arsenic, cobalt, iron, and thallium) were detected above SSLs. Of the VOCs, benzene was detected in surface and subsurface soil with an increasing trend observed with depth in one boring (SWMU58-2). In the same boring, formaldehyde was detected at a concentration of 7.3 mg/kg sampled from a depth of 19 to 20 feet bgs. The SSL is 0.00174 mg/kg. Based on the MIPS response, formaldehyde was not analyzed in the boring in other intervals or other boring locations. With the exception of naphthalene, PAH exceedances were observed in surface soil and not in deeper subsurface soil depths collected from just above the water table. Naphthalene, similar to benzene, was detected in surface and subsurface soil above the SSL in boring SWMU58-2. Arsenic and cobalt in underlying native soil were less than or within the range of statewide background levels. The thallium exceedance was limited to one boring (SWMU 58-2) and was above the risk-based SSL but less than the MCL-based SSL. Elevated iron concentrations correlated with elevated organic detections.

Groundwater

As detailed in Table 5.32 and Appendix E, benzene was detected in both groundwater samples collected at SWMU 58. Benzene concentrations in the samples were 0.7 J µg/L and 5 µg/L, which were above the tap water SL (0.45 µg/L) but did not exceed the Federal MCL (5 µg/L). Exceedance locations are shown in Figure 5.34.

5.15.4 Conclusions and Recommendations

The objective for SWMU 58 and 189 has been met, and no further investigation is recommended.

A release to soil is not indicated at SWMU 189. Therefore, no further action is recommended for this unit.

A release of PAHs to soil and a release of benzene to groundwater are indicated at SWMU 58. Therefore, SWMU 58 is recommended to be evaluated further in the CMS.

5.16 AOC G

5.16.1 Unit Background

The location of AOC G is provided in Figures 5.1 and 5.35. AOC G is the sulfuric acid spill. On November 9, 1988, approximately 3,000 pounds of sulfuric acid was discharged to the Kanawha River. The spill was caused by a leak in a heat exchanger in the Spent Acid Regeneration Plant. The spill was at an asphalt area and then flowed to the river. The sulfuric acid was believed to have dissolved in the river water, and none of the acid was recovered (Kearney, 1991).

Since that time, much of the soil and fill, including near AOC G, has been excavated and removed. Currently, this area has been re-graded with clean fill and is being leased to a third party for construction of a chemical manufacturing operation.

5.16.2 Phase IV RFI Activities

At the time of the Decision Tree Evaluation Process (2012), the Spent Acid Regeneration Plant had been dismantled and this area of the plant was being used as a construction materials stockpile area, and safe investigation was not possible. Therefore, AOC G was not initially proposed for investigation as part of the RA.

After removal of the stockpiled materials occurred, sampling of downgradient groundwater was proposed as part of the DI. The objective of the sampling was to determine whether there was an existing impact from the 1988 spill. Groundwater was sampled from two locations, AOCG-1 and AOCG-2, and analyzed for Appendix IX metals (total). As noted in Section 4.1, groundwater samples for dissolved metals analysis were not collected as planned.

Table 5.1 provides the media sampled during each investigation and the respective analyte list for each media sampled. Boring logs are provided in Appendix G.

5.16.3 Phase IV RFI Results

Groundwater

Constituents detected in groundwater samples used to evaluate AOC G were compared to the screening criteria presented in Section 4.4. As detailed in Table 5.33 and Appendix E, 17 inorganics were detected in the groundwater samples collected.

As shown in the table, with the exception of selenium, each of the metals analyzed were detected above the screening criteria. Total lead, nickel, and vanadium were detected above the tap water SLs or Federal MCLs by the greatest margin in the hydropunch groundwater samples. However, these results are likely biased high due to turbidity in the unfiltered samples. As noted in Section 4.1, filtered groundwater samples were inadvertently not collected during the RFI.

5.16.4 Conclusions and Recommendations

The objective for AOC G has been met, and no further investigation is recommended.

Based on the sampling conducted, a release to groundwater is indicated, but the sampling results are potentially biased high. As a result, this AOC is recommended for further evaluation in the CMS.

5.17 Site-Wide Groundwater

Comprehensive groundwater sampling and analysis is currently performed in the Plant Area on a three-year sampling schedule. To date, four comprehensive sampling events (in 2000, 2008, 2011, and 2014) have been conducted for the Plant Area. The purpose of this sampling is to gain an understanding of current groundwater quality beneath the Plant Area and to confirm that no significant changes in groundwater quality have occurred between each comprehensive sampling event. Groundwater sampling is also conducted on a quarterly basis at the former Benzol Process Area and at the former SSS Area to monitor the effectiveness of DPE remediation at those areas.

5.17.1 Previous RFI Activities

The objectives for Phase I and Phase II RFI were focused on gathering information needed to evaluate the EPA Environmental Indicators (EIs) for current human exposures and migration of contaminated groundwater (EI CA725 and EI CA750). The EIs were achieved in 2003 for EI CA725 and in 2005 for EI CA750 (DuPont CRG, 2003b and 2005).

During the Phase I RFI investigation, groundwater in the Plant Area was sampled to evaluate groundwater quality primarily near the property boundary. Groundwater was sampled at 35 wells from three aquifer flow zones. All groundwater samples were analyzed for Appendix IX constituents. A lesser, more focused groundwater investigation was performed in the vicinity of three source areas identified during the Phase II RFI.

A larger set of wells was sampled in 2008 and 2011 as reported in the Phase IIIA RFI and 2011 Groundwater Summary Report (URS, 2013b). The objectives of the groundwater sampling program in the Plant Area were to confirm that groundwater quality beneath the Plant Area had not deteriorated (that no significant changes in groundwater quality had occurred since the previous comprehensive sampling) and confirm that known impacts are stable and not migrating. Thirty-eight wells were sampled as part of the evaluation of groundwater quality. The groundwater samples were analyzed for Appendix IX VOCs, SVOCs, pesticides/herbicides and metals, and formaldehyde.

Conclusions from the previous sampling (2000, 2008, and 2011) data as presented in the 2011 Groundwater Summary Report are summarized below:

- An evaluation of groundwater monitoring data collected in 2000, 2008, and 2011, with some exceptions, showed stable to decreasing concentration trends.
- VOC impacted areas included groundwater within the former process areas at the western portion of the site (Benzol and SSS), the MDA Area (central plant) and the eastern end of the plant (off-site groundwater plume).
- Overall, decreasing concentration trends were observed in wells located near the DPE well systems in the former Benzol Area and the former SSS Area.
- Groundwater near the former MDA Area indicated an increasing VOC concentration trend.
- Groundwater results and trend analysis suggested that a VOC plume (slug of impacted groundwater) was moving through the eastern plant area near MW-19-A from the source location at a neighboring industrial facility. The remedial effort implemented at the source location on the adjacent site may have

contributed to decreasing concentrations observed between the 2008 and 2011 sampling events.

- Pesticide and herbicide detections in groundwater were infrequent and did not reflect a distinct spatial pattern of distribution.
- The dissolved metals in groundwater did not indicate sources related to the plant activities (infilling and SWMUs) in excess of the regional metals signature in groundwater.

5.17.2 Phase IV RFI Activities

During the Phase IV RFI, groundwater sampling was conducted at 43 existing Plant Area monitoring wells in 2014 as described in the Groundwater Sampling Plan, RCRA Facility Investigation Chemours Belle Plant Area, Belle, West Virginia (URS, 2014a). Groundwater sample analysis included Appendix IX VOCs, SVOCs, and metals (total and dissolved), and formaldehyde. Monitoring well locations are detailed in Figure 5.36.

5.17.3 Phase IV RFI Results

Groundwater sample results from the Plant Area-wide 2014 sampling event were compared to the screening criteria discussed in Section 4.2 and are presented in Table 5.34. Groundwater results for the most recent phase of investigation (Phase IV RFI) are depicted in isoconcentration maps provided in Figures 5.37 through 5.42. Groundwater results from hydropunch locations installed during the Phase IV RFI are also depicted on the isoconcentration maps and discussed within this section, where appropriate.

As shown in the tables and discussed below, most of the organic and inorganic constituents detected above screening criteria during the Phase IV RFI are consistent with previous RFI sampling events. Few exceptions, which are detailed in the discussion below, were noted.

Shallow Overburden Groundwater

As detailed in Table 5.34, 11 VOCs, 28 SVOCs, and 16 inorganics were detected in the 23 shallow overburden monitoring wells sampled.

VOCs

Of the organic constituents, formaldehyde was the most frequently detected. Formaldehyde concentrations ranged between 21 µg/L and 1,700 µg/L, with the maximum detected concentration observed in monitoring well location MW-24-SO (see Figure 5.37). The greatest exceedances of the tap water SL (0.43 µg/L) were observed in MW-24-SO and MW-25-SO, both located in the former Benzol Process Area. Formaldehyde is produced in the Glycol Process Area at the northeast portion of the Belle Plant. Formaldehyde was also a common raw material used at several other processes across the plant. Additional groundwater sampling conducted as part of Phase IV RFI investigations discussed earlier in this section identified widespread exceedances of formaldehyde across the Plant Area with the greatest exceedances observed in the vicinity of AOC E. The maximum detected concentration of formaldehyde in this area was 16,000 µg/L. As discussed in Section 5.4.4, the formaldehyde release to groundwater is not likely related to the USTs at AOC E. Other potential sources exist in this portion of the site, including the former SSS storage tanks,

which were located on the northern side of the railroad tracks from AOC E and on the northeastern side of SWMU 191.

In addition to formaldehyde, six other VOCs (benzene, cis-1,2-dichloroethene, ethylbenzene, toluene, trichloroethene, and xylenes) were detected above tap water SLs or Federal MCLs. Benzene exceeded screening criteria. Exceedances of the tap water SL (0.45 µg/L) and Federal MCL (5 µg/L) were observed in seven monitoring well locations associated with three areas: the former Benzol Process Area (MW-24-SO, MW-25-SO, MW-36-SO, and MW-73-SO), the former SSS Area (MW-31-SO and MW-76-SO), and the former MDA Area (MW-70-SO). Groundwater sampling conducted as part of the Phase IV RFI investigations identified additional potential source areas in the vicinity of SWMUs 148 and 158. The maximum detected concentration of benzene (190,000 µg/L) was observed in monitoring well location MW-31-SO located in the former SSS Area (see Figure 5.38). In the former Benzol Process Area, benzene concentrations ranged between 26 µg/L to 27,000 µg/L. As stated in Section 3.4.1, DPE systems have operated as an IRM at the former Benzol Process Area and the former SSS Area (one of these DPE systems is currently being repaired). Benzene was detected at a concentration of 8 µg/L in MW-70-SO located in the former MDA Area. A comparison of benzene concentrations over time in this monitoring well has exhibited a decreasing concentration trend. During the Phase IV RFI, benzene in MW-70-SO of the MDA Area was delineated (see Figure 5.38).

Chlorinated VOC exceedances (cis-1,2-dichloroethane and trichloroethene) were limited to monitoring well MW-19-SO, which are the result of impacts to groundwater from the adjacent industrial facility located to the southeast of the Chemours Belle Plant.

An additional chlorinated VOC, chlorobenzene, was not detected in shallow overburden monitoring wells during the investigation but was detected in hydropunch samples installed during investigations conducted at the SLM Area and during the Phase IV RFI at SWMU 148 (see Figure 5.39).

SVOCs

1,4-Dioxane was the most frequently detected SVOC. 1,4-Dioxane concentrations ranged between 1 µg/L and 5 µg/L, with the maximum detected concentration observed in monitoring well MW-76-SO located in the former SSS Area (see Figure 5.40). The tap water SL is 0.46 µg/L. Groundwater sampling conducted as part of the Phase IV RFI investigations identified additional potential source areas in the vicinity of SWMU 150. The presence of 1,4-dioxane is potentially correlated with the Glycol process.

In addition to 1,4-dioxane, several other SVOCs (mostly PAHs) exceeded tap water SLs. Locations with more than one SVOC exceedance were MW-24-SO, MW-25-SO, MW-26-SO, and MW-73-SO (located in the former Benzol Process Area) and MW-31-SO (located in the SSS Area). Of the SVOCs, naphthalene exceeded the tap water SL by the greatest margin. Naphthalene concentrations ranged between 0.3 µg/L and 4,500 µg/L, with the maximum detected concentration observed in monitoring well location MW-25-SO located in the former Benzol Process Area. The tap water SL for naphthalene is 0.17 µg/L.

Metals

Several metals were detected in shallow overburden groundwater above screening criteria (lower of tap water SL and MCL): antimony (total and dissolved), arsenic (total and dissolved), barium (total and dissolved), cadmium (total and dissolved), cobalt (total and dissolved), copper (total and dissolved), lead (total), mercury (total and dissolved),

nickel (total and dissolved), selenium (total), thallium (total), vanadium (total), and zinc (total). The detected concentrations of compounds are very similar for total and dissolved metals results. Given the close agreement between total and dissolved metals results, a discussion of the dissolved sample results only is presented below. The dissolved fraction is considered more mobile than the total fraction.

In the dissolved fraction, arsenic was most frequently detected above the tap water SL (0.052 µg/L) and Federal MCL (10 µg/L). Arsenic concentrations ranged between 1.0 µg/L and 105 µg/L, with the maximum detected concentration observed in monitoring well MW-25-SO (see Table 5.34).

As presented in 2011 Plant Area Groundwater Summary Report, the concentrations of metals in the Plant Area groundwater were compared to regional data from the nearby Mountain Area. A study of on-site and off-site groundwater quality for the Mountain Area at Belle was conducted as part of the Phase IIIB RFI (URS, 2011b). The study concluded that dissolved metal concentrations measured in Mountain Area wells located within the zone of influence of on-site groundwater are consistent with or less than wells located outside of the zone of influence of on-site sources that have a regional background signature. As a result, the presence of the metals constituents in groundwater is likely not indicative of a significant release from SWMU sources. For example, the range of concentrations for dissolved arsenic in the Plant Area wells are also within the ranges of this metal in regional background groundwater. The same is true for other metals that are found (less frequently) in the Plant Area groundwater. The metals concentrations in groundwater (total and dissolved results) do not indicate any significant sources related to the plant activities in excess of the regional metals signature in groundwater.

Deep Overburden Groundwater

Twelve deep overburden monitoring wells were sampled during the most recent plant area-wide monitoring event. As detailed in Table 5.34, fewer constituents were detected in deep overburden groundwater than in shallow overburden groundwater. Inorganic constituent detections and concentrations were similar to shallow overburden groundwater. Therefore, this section focuses on organic constituent observations.

Similarly, as compared to shallow overburden groundwater, more halogenated VOCs were detected above screening criteria in deep overburden groundwater. Six halogenated VOCs (1,1,2-trichloroethane, 1-1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, trichloroethene, and vinyl chloride) were detected above tap water SLs and Federal MCLs (where applicable). Most VOC exceedances were observed in MW-29-DO. The source of the low level chlorinated VOCs in groundwater near this well is potentially correlated with the Glycol process. Areas upgradient of this well include the site's power plant and support machine shops.

As noted above, chlorinated VOC exceedances observed in monitoring well MW-19-DO are the result of impacts to groundwater from the industrial facility located to the southeast of the Chemours Belle Plant (http://www2.epa.gov/enforcement/settlement-epa-issues-aoc-implement-final-remedy-occidental-chemical-company-facility).

Formaldehyde concentrations in deep overburden groundwater range between 20 J µg/L and 6,100 µg/L, with the maximum detected concentrations observed in hydropunch location SWMU148-2 (see Figure 5.41). The tap water SL is 0.43 µg/L. Formaldehyde concentrations in filtered samples collected from delineation deep overburden locations in this area ranged between 26 J µg/L and 39 J µg/L. Groundwater samples from these

temporary locations were filtered to evaluate the potential for high bias due to turbidity. The source of formaldehyde in this area is unknown. However, this area is downgradient of the Chemicals North Area and the formaldehyde spill (AOC F).

Similar to shallow overburden groundwater, 1,4-dioxane was the most frequently detected SVOC. 1,4-Dioxane concentrations ranged between 3 J µg/L and 130 µg/L, with the maximum detected concentrations observed in monitoring well MW-29-DO (see Figure 5.42). The tap water SL is 0.78 µg/L. The presence of 1,4-dioxane is potentially correlated with the Glycol process. In addition, the presence of chlorinated compounds used on-site are another potential association with 1,4-dioxane in groundwater (in particular in the vicinity of MW-29-DO).

A Zone Groundwater

Eight A Zone monitoring wells were sampled during the most recent plant area-wide monitoring event. As shown in Table 5.34, most exceedances were observed in one monitoring well (MW-19-A). As noted above, MW-19-A shows many exceedances that are attributed to the industrial facility located to the southeast.

5.17.4 Conclusions and Recommendations

Consistent with previous investigations of Plant Area groundwater, VOC-impacted and/or SVOC-impacted areas continue to include groundwater within the former process areas at the western portion of the site (Benzol and SSS), the MDA Area (central plant), and the eastern end of the plant (off-site groundwater plume). In addition, additional releases to groundwater were identified near AOC E, SWMUs 148, 150, and 158 and the SLM Area.

No further investigation of Plant Area groundwater as part of a RFI is recommended. Plant Area groundwater is recommended for further evaluation in the CMS. The CMS evaluation will review the existing monitoring well network to determine whether it is sufficient to monitor releases identified in Plant Area groundwater.

5.18 Summary of Findings

Based on the data evaluation presented in this section, the following was concluded for the SWMUs, AOCs, and areas investigated during the RFI. Additional evaluation of these units is presented in the CSM (see Section 6.0). Units with identified releases are recommended for further evaluation in the CMS.

- A release to soil or groundwater is not indicated at SWMUs 41A, 48, 53, 73-76, 80, 160, 161, 189 and 190, AOC A (former Coke Plant portion), and AOC F. No further action is recommended for these units.
- A release to soil or groundwater is indicated at the following units and the source of the release is considered to be related to the unit investigated: SWMUs 32-35, 58, 115, 150, 153, 158, 191 and 192, AOC A (former Benzol Process Area portion), AOC E, MDA Area, and SWMUs 64 and 67, SLM Area, and associated SWMUs (SWMUs 97, 105, 106, 109 and 149), and the former SSS Area.
- A release to soil is indicated at the following units; however, the source of the release is considered consistent with the placement of historical fill across the site: SWMUs 54, 72, 79, 121, 122 and 154, and MDA Area.

- A release to soil or groundwater is indicated at the following units; however, the source of the release is either associated with other plant activities in the area or is unknown: SWMUs 54 and 148, and AOC G.

Groundwater was not sampled downgradient of the following pumping stations: SWMUs 147, 151, 154, and 155. These pumping stations conveyed sanitary and process wastewaters to the WWTP. Documented releases have occurred from these units. Therefore, these units are also recommended to be evaluated further in the CMS as potential source areas for releases to groundwater. In addition, SWMUs 145, 146, 152, and 157 (the sewer lines and three other pumping stations), which were identified as investigation deferred in the Decision Tree Evaluation Process and in the RCRA permit and were not investigated, are also recommended to be evaluated further in the CMS as potential source areas for releases to groundwater.

Finally, no further investigation of the Plant Area groundwater as part of a RFI is recommended, and Plant Area groundwater is recommended for further evaluation in the CMS.

Table 5.35 summarizes the CMS status of all SWMUs/AOCs and areas within the Plant Area.

6.0 Conceptual Site Model

The use of a CSM provides a means of documenting and periodically updating general facility information and data regarding potential releases to the environment (EPA Region 6, 2008). The CSM also provides a framework for problem definition; aids in the identification of data gaps, which can then be addressed in the investigation; and assists in the identification of appropriate remedial technologies, if necessary.

The CSM includes four primary elements:

- Identification and characterization of known and potential source areas
- Identification of constituents of potential concern (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 CSM, an understanding of the geology, hydrology, and hydrogeology at the site must also be known, along with the spatial distribution of COPCs. A description of the environmental setting was previously presented in Section 2.0 and is summarized below.

6.1 Conceptual Hydrogeological Model

During the four phases of the RFI conducted in the Plant Area, additional geological and hydrological data were obtained, and the conceptual hydrogeological model was updated. The updated conceptual model is presented in Section 2.0 of this report. The following observations are made:

- The Plant Area lies on a flat land surface with geology characterized by surficial fill materials underlain by the Kanawha River terrace deposits, which are underlain by the War Eagle Sandstone.
- Fill material, comprised mainly of boiler fly ash and cinders, was used to level out the land surface for plant expansion and is present throughout the site with variable thickness. Fill is thickest (greater than 30 feet) at the area surrounding Simmons Creek.
- The terrace deposits are characterized (in order from top to bottom) by three stratigraphic sequences: sand/sandy clay, clay, and coarse sand and gravel.
- There are two large areas of the site where the upper sand unit is not present although varying amounts of fill material is present. At these areas, located at the southeast and southwest quadrants, clay is encountered at shallow depths and extends down to the lower sand and gravel unit.
- Sandstone is present beneath the site underlying the terrace deposits.
- The Plant Area is underlain by two overburden aquifer flow zones and one bedrock aquifer (the A Zone aquifer).
- The shallow overburden aquifer occurs in the saturated portion of the fill, sand, and sandy-clay and is absent in the two large areas located in central portions of the site where the upper sand unit and/or fill are not present or of limited thickness.

- Depth to groundwater in the shallow overburden aquifer ranges from 3 to 18 feet bgs, and groundwater flow is in a south-southwest flow direction toward the Kanawha River.
- Because the clay unit does not exist in the Simmons Creek area, only one aquifer—a combined shallow and deep overburden aquifer—exists at that area of the site.
- The deep overburden aquifer is confined by the overlying clay unit, which is present in all areas beneath the Plant Area except in the Simmons Creek area, at a depth ranging from 35 to 52 feet bgs, and is hydraulically connected to the confined underlying bedrock aquifer.
- Groundwater in the deep overburden aquifer generally flows southwest toward the Kanawha River. The hydraulic conductivity measured in the War Eagle Sandstone aquifer ranges from 0.0023 to 107 feet per day, depending on the extent of secondary permeability. This aquifer also extends underneath the Mountain Area.

6.2 Identification and Characterization of Potential Source Areas

The Permit identifies 184 units (SWMUs and AOCs) in the Plant Area. The SWMUs include former land disposal units, storage areas, storage or waste tanks, loading/unloading areas, pumping stations, trenches, and sumps. AOCs include former USTs, former process areas, and spill areas.

These potential source areas were investigated during the RFIs along with identified former process areas (former SSS Area, former MDA Area, former Benzol Process Area, and SLM Area). As concluded in Sections 5.0, confirmed releases were identified at the following:

- SWMUs 32-35, 54, 58, 72, 79, 115, 121, 122, 148, 150, 153, 154, 158, 191, and 192
- AOCs A (former Benzol Process Area portion), E, and G
- Former MDA Area (and associated SWMUs 64 and 67) and SLM Area (and associated SWMUs – SWMUs 97, 105, 106, 109, and 149)

The releases to soil identified at these units in Section 5.0 are located within the fill and shallow overburden native soil. Releases to groundwater are located within the shallow overburden aquifer and/or the deep overburden aquifer.

6.3 Identification of COPCs

Analytical data collected from RFI sampling events detailed in Section 5.0 indicate that constituents detected in soil and groundwater during RFI events are consistent with the use of the SWMUs or AOCs and the types of waste materials believed to have been managed at the units and the placement of fill materials across the Plant Area during historical site development. Analytical data from the RFIs were compiled for each SWMU or AOC and for Plant Area groundwater. Detections are summarized by unit and compared to the screening criteria in tables referenced in Section 5.0 and provided in Appendix E.

Exceedances of screening levels indicated in Section 5.0 and in the subsections below do not in themselves indicate that an unacceptable exposure exists. Rather,

exceedances of the screening levels serve to indicate that the potential exists for exposure to occur. Exceedance sample locations are detailed in Figures 5.3 through 5.42.

6.3.1 Soil

Surface and subsurface soil has been collected during the RFI and other applicable on-site investigations in the Plant Area. COPCs identified in each interval are discussed in the following subsection.

Surface Soil

During on-site investigations, up to 47 surface soil samples have been collected from 47 boring locations across the Plant Area. These samples were collected from intervals less than 1 foot bgs, regardless of the overlying cover. Soil samples were analyzed for Appendix IX VOCs, SVOCs and metals, pesticides/polychlorinated biphenyls (PCBs), dioxins/furans, and other miscellaneous parameters, depending on the investigation and sample location (see Table 5.1).

Table 6.1 provides a summary of constituents detected in surface soil and compares the analytical results to EPA SLs for industrial soil. As shown in the table below, the following constituents were detected above screening criteria and 95% UTLs (for historical fill) or statewide background values (for native soil).

SVOCs	Dioxins/Furans	Inorganics
Benzo(a)pyrene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Dibenz(a,h,)anthracene Indeno(1,2,3-cd)pyrene	Total TEQ 2,3,7,8-TCDD	Arsenic Cobalt

In addition, a few constituents were non-detect at MDLs that exceeded the SL values. None of these constituents are suspected to be site-related or degradation/ transformation products of site-related constituents at this time.

PAH exceedances were observed at SWMUs 54, 58, 191, and 192 and AOCs E and G and were potentially associated with waste managed at the unit (AOC E, SWMUs 191 and 192), the presence of historical fill (SWMU 54), or other releases or processes in the area (SWMU 58 and AOC G). Of the PAHs, benzo(a)pyrene most frequently exceeded the screening criteria. Benzo(a)pyrene concentrations were greater than release/delineation criteria (historical fill 95% UTL) in 14 locations. Benzo(a)pyrene concentrations at these locations ranged between 0.73 mg/kg and 250 mg/kg. The highest benzo(a)pyrene concentration was observed at SWMU 54 and appears to be associated with the presence of a fuel odor.

Dioxin/furans were identified as COPCs in one SWMU, SWMU 192. The total TEQ of 2,3,7,8-TCDD exceeded the industrial soil SL and release/delineation criteria (historical fill 95% UTL) in four surface soil locations at the unit. However, the total TEQs, which ranged between 36.1 ng/kg and 362 ng/kg, were less than the PRG (660 ng/kg).

Of the inorganics, arsenic most frequently exceeded the screening criteria. Arsenic exceedances were observed at SWMUs 72 and 191 and AOC E. Arsenic concentrations above the release/delineation criteria (historical fill 95% UTL) ranged between 22.5

mg/kg and 54.5 mg/kg. The highest concentration was observed at SWMU 72 and is likely related to the presence of historical fill rather than a release from the AOC.

Subsurface Soil – Direct Contact Pathways

During on-site investigations, up to 68 subsurface soil samples (defined as depths between 1 and 15 feet bgs) have been collected from 50 boring locations across the Plant Area. Soil samples were analyzed for Appendix IX VOCs, SVOCs and metals, pesticides/PCBs, dioxins/furans, and other miscellaneous parameters, depending on the investigation and sample location (see Table 5.1).

Table 6.2 provides a summary of constituents detected in surface soil and compares the analytical results to EPA SLs for industrial soil. As shown in the table below, the following constituents were detected above screening criteria and 95% UTLs (for historical fill) or statewide background values (for native soil).

VOCs	SVOCs	Inorganics
Ethylbenzene Formaldehyde Xylenes	1-Methylnaphthalene 2-Methylnaphthalene Benzo(a)pyrene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Dibenz(a,h,)anthracene Indeno(1,2,3-cd)pyrene Naphthalene	Antimony Arsenic Cobalt Mercury

In addition, a few constituents were non-detect at MDLs that exceeded the SL values. None of these constituents are suspected to be site-related or degradation/ transformation products of site-related constituents.

VOC exceedances were limited to one location in the SLM Area (SLM-11) collected at a depth of 14 to 15 feet bgs (for ethylbenzene and xylenes) and one location at SWMU 192 (SWMU 192-12) collected at a depth of 9 to 10 feet bgs (for formaldehyde).

PAH exceedances were observed at SWMUs 54, 58, 191 and 192, and AOCs E and G and were associated with waste managed at the unit (SWMUs 191 and 192 and AOC E), the presence of historical fill (SWMU 54), or other releases or processes in the area (SWMU 58 and AOC G). Similar to surface soil, of the PAHs, benzo(a)pyrene most frequently exceeded the screening criteria. Benzo(a)pyrene concentrations were greater than release/delineation criteria (historical fill 95% UTL) in eight locations. Benzo(a)pyrene concentrations at these locations ranged between 1.8 and 170 mg/kg. The highest benzo(a)pyrene concentration was observed at AOC E and is suspected to associated with the presence of cinders.

Of the inorganics, similar to surface soil, arsenic most frequently exceeded the screening criteria. Arsenic exceedances were limited to SWMU 121. At the SWMU, arsenic was detected at a concentration of 34.5 mg/kg in subsurface soil (from a depth of 2 to 3 feet bgs) collected within historical fill materials.

Soil Column – Migration to Groundwater Pathways

As shown in the soil exceedance tables (see Tables 5.6 through 5.33), several organic constituents were detected above screening criteria for protection of migration to groundwater and historical fill 95% UTL concentrations (where applicable) in the soil column. As EPA states in their 1996 *Soil Screening Guidance: User's Guide*, "the soil

screening level (SSL) methodology was designed for use during the early stages of a site evaluation when information about subsurface conditions may be limited. Because of this constraint, the methodology is based on conservative, simplifying assumptions about the release and transport of contaminants in the subsurface." Consequently, direct observations of concentrations of constituents in the soil column and in groundwater were used to evaluate the potential migration pathway. The use of on-site empirical data is more appropriate than a comparison to generic or even site-specific criteria to identify potential source areas for releases to groundwater. Furthermore, it meets the intent of the EPA guidance. A discussion of the SSL exceedances for organic constituents is presented below. As discussed in Section 5.17, a release of metals to groundwater is not indicated; therefore, SSL exceedances for those constituents are not discussed herein.

VOCs

The following VOCs were detected above SSLs in unsaturated zone soil samples:

- 1,2-dichlorobenzene (SLM Area)
- 1,4-dichlorobenzene (SLM Area)
- Benzene (SWMUs 41A, 48, 58, 80,148 and 192, AOCs E and G, MDA Area, and SLM Area)
- Carbon tetrachloride (SWMU 192)
- Chlorobenzene (SLM Area)
- Chloroform (SWMUs 48, 53, 75, 148, 151 and 192, MDA Area, and SLM Area)
- Ethylbenzene (AOC E and SLM Area)
- Formaldehyde (SWMUs 32-35, 54, 58, 79, 115, 122 and 191, 192, and AOC E)
- Trichloroethene (SWMUs 148 and 151)
- Xylenes (SLM Area)

Overall, SSL exceedances were most frequently observed in surface soil or shallow subsurface soil (depths between 3 and 8 feet). For several constituents (such as benzene and chloroform), constituents were detected above the risk-based SSL but were less than the MCL-based SSL.

Of the SSL exceedances noted above, the following constituents were also detected in associated SWMU or AOC hydropunch groundwater samples above tap water SLs or Federal MCLs (where applicable):

- 1,2-Dichlorobenzene (SLM Area)
- 1,4-Dichlorobenzene (SLM Area)
- Benzene (SWMUs 58 and 148, AOC E, MDA Area, and SLM Area)
- Chloroform (MDA Area)
- Ethylbenzene (SLM Area)
- Formaldehyde (SWMUs 32-35, 54, 148, 150, 153, 158, and AOC E)
- Xylenes (SLM Area)

SVOCs

Naphthalene was the most frequently detected SVOC above SSLs in unsaturated zone soil samples. Naphthalene exceedances were observed in the following units: SWMUs 48, 53, 58, 75, 79, 80, 115, 121, 122 and 192, AOCs E and G, and SLM Area. Of these units, naphthalene was also detected above tap water SLs in hydropunch punch samples associated with AOC E and the SLM Area.

Several additional SVOCs (PAHs) were also detected above SSLs in SWMUs 54, 58, and 192 and AOCs E and G. However, PAH exceedances in associated hydropunch groundwater samples were limited to one location in AOC E (AOCE-1) (see Table 5.11). One PAH [benzo(b)fluoranthene] was also detected above the tap water SL at SWMU 54 (see Table 5.7). As discussed earlier, the presence of PAHs in the temporary hydropunch locations are likely biased high due the turbid nature of the samples.

6.3.2 Groundwater

During the Phase IV RFI, groundwater was collected from 43 existing monitoring wells and 69 hydropunch locations[3]. Depending on the event and sample location, groundwater samples were analyzed for Appendix IX VOCs, SVOCs and metals (total and dissolved), formaldehyde, ammonia, and TOC (see Table 5.1). Monitoring well locations are shown in Figure 5.37. Hydropunch locations are shown in individual SWMU or AOC figures referenced in Section 5. Tables 6.3 through 6.6 compares the results for constituents measured in groundwater to tap water SLs and MCLs. Table 6.7 provides a summary of the COPCs. Because 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. As shown in the table, the following VOCs and SVOCs were identified as COPCs in Plant Area groundwater.

VOCs	SVOCs
1,1,2-Trichloroethane	1,4-Dioxane
1,1-Dichloroethane	2,4-Dimethylphenol
1,2,3-Trichloropropane	2-Methylnaphthalene
1,2-Dichlorobenzene	2-Methylphenol (O-Cresol)
1,2-Dichloroethane	Acenaphthene
1,4-Dichlorobenzene	Acetophenone
Acetone	Benzo(A)Anthracene
Benzene	Benzo(B)Fluoranthene
Carbon Tetrachloride	Benzo(K)Fluoranthene
Chlorobenzene	Benzo[A]Pyrene
Chloroform	Dibenz(A,H)Anthracene
cis-1,2-Dichloroethene	Dibenzofuran
Ethylbenzene	Indeno (1,2,3-CD) Pyrene
Formaldehyde	Naphthalene
Toluene	Phenol
trans-1,2-Dichloroethene	Pyridine
Trichloroethene	
Vinyl Chloride	
Xylenes	

[3] Hydropunch locations include Phase IV RFI locations and other locations installed as part of other investigations identified in Section 5.0.

Consistent with the discussion presented in Section 5.17, the presence of the metals constituents in groundwater is likely not indicative of a significant release from SWMU sources. Therefore, metals were not retained as COPCs at this time. As new data are collected as part of the CMS (such as at AOC G), this will be re-evaluated.

VOC-impacted and/or SVOC-impacted areas include groundwater within the former process areas at the western portion of the site (Benzol and SSS), the MDA Area (central plant), and the eastern end of the plant (off-site groundwater plume). In addition, additional releases to groundwater were identified near AOC E, SWMUs 148, 150, and 158 and the SLM Area.

In addition to the organic constituents listed above, several constituents were non-detect at MDLs that exceeded the screening criteria. None of these constituents are suspected to be site related or degradation/transformation products of site-related constituents.

6.3.3 Indoor Air

Vapor intrusion is defined as “vapor phase migration of volatile organic and/or inorganic compounds into occupied buildings from underlying contaminated groundwater and/or soil” (EPA, 2012b). A weight-of-evidence approach was used to evaluate potential vapor intrusion pathways at the Plant Area This approach is consistent with the *Vapor Intrusion Pathway: A Practical Guideline* (ITRC, 2007) and follows the principles in EPA’s *Superfund Vapor Intrusion FAQs* (EPA, 2012b) available online at http://www.epa.gov/oswer/vaporintrusion/. Lines of evidence used in the data evaluation primarily included soil lithology, building-specific factors (such as size and air exchange rate), and analytical data (groundwater and soil gas) collected during the RFI and other applicable investigations. The evaluation was conducted to evaluate the potential for volatile constituents present in the subsurface to volatilize into indoor air of current structures and potential future structures.

Low levels of VOCs have been detected in Plant Area shallow overburden groundwater. As a result, maximum groundwater detections were compared to VISLs. As shown in Table 6.8, the following VOCs were detected above the VISLs for industrial/commercial land use:

- Benzene
- Carbon Tetrachloride
- Chlorobenzene
- Chloroform
- Ethylbenzene
- Naphthalene
- Xylenes

Groundwater exceedance locations are tabulated in Table 6.9. Groundwater exceedance locations are shown in Figure 6.1.

Figure 6.1 and shallow overburden isoconcentration maps for benzene, chlorobenzene, and naphthalene were used to identify occupied structures in the vicinity of these exceedances. Based on this evaluation, the following occupied structures were identified:

- Former SSS Area: Building 299 and three buildings to the east of 299

- SWMU 158: Buildings 336, 322 and 243
- SLM Area/SWMU 148: Buildings 73, 71 and 216
- MDA Area: Building 302

No occupied structures are in the vicinity of exceedances observed at the former Benzol Process Area.

6.3.4 Ditch Sediment

During on-site investigations, 14 ditch sediment samples have been collected from 14 locations across the Plant Area. These samples were collected from intervals less than 1 foot bgs. Ditch sediment samples were analyzed for Appendix IX VOCs, SVOCs and metals, or formaldehyde depending on the investigation and sample location (see Table 5.1).

Table 6.10 provides a summary of constituents detected in ditch sediment and compares the analytical results to EPA SLs for industrial soil. As shown in the table below, the following constituents were detected above screening criteria.

SVOCs	Inorganics
3-Methylcholanthrene Benzo(a)pyrene Benzo(a)anthracene Benzo(b)fluoranthene Dibenz(a,h,)anthracene Indeno(1,2,3-cd)pyrene	Arsenic

PAH exceedances were observed at SWMUs 160 and 161 and are considered a result of surface runoff from the surrounding area into the ditch than a release from the overhead flumes.

Arsenic concentrations in the ditch sediment samples ranged between 3.23 mg/kg and 6.39 mg/kg, which is less than or within the range of statewide background levels (5.9 mg/kg to 13 mg/kg). Exceedance locations are detailed in Figure 5.25.

6.4 Primary Transport Mechanisms

Based on the chemical and physical properties of the COPCs and the known physical, topographic, meteorological, and hydrologic conditions at and in the vicinity of the site, potential migration pathways include the following: surface runoff, airborne transport, leaching, groundwater migration, and volatilization into indoor air. Each of these potential transport mechanisms are discussed below.

6.4.1 Surface Runoff

Surface runoff during rain events into on-site stormwater features (such as Simmons Creek and storm sewers) is a potential migration pathway. In the paved areas of the plant, precipitation flows to storm sewers that ultimately drain to the Kanawha River.

6.4.2 Airborne Transport

Airborne transport of particulates generated by wind erosion of surface soils and physical disturbance of surface and subsurface soils to downwind locations is a potential migration pathway. The current potential for airborne transport of particulates is limited

due the presence of paving, gravel, or concrete over impacted soil in most portions of the site.

6.4.3 Leaching and Groundwater Migration

COPCs in soils (surface and subsurface) have the potential to leach to underlying shallow groundwater. Site development can have an impact on COPC migration. In portions of the site that are completely covered with relatively impervious material such as asphalt or concrete, very limited infiltration of stormwater would occur, thus, reducing the mechanisms forcing contaminant migration. On the other hand, where soil or gravel is present as a cover, stormwater infiltration would occur, which may cause constituents to migrate more readily in the shallow subsurface.

In the Plant Area, migration of a release to soil depends on several factors including the amount of waste released, amount of water infiltrating the soil, age of the release, and chemical and physical properties of the waste and material into which it is migrating. In most areas of the site, a release from a SWMU, AOC, or process area will first migrate into the surficial historical fill. Depending on the depth of the historical fill, the release may migrate through the surficial fill to the sand and sandy clay of the underlying shallow overburden or to the clay and silty-clay unit if in an area of the site where the shallow overburden is missing. Within any of these three materials (historical fill, sand and sandy-clay, or clay and silty-clay), the release may migrate by mass flow and/or diffusion. Mass flow is transport by a flowing liquid or by a gaseous phase and is typically downward due to gravity. However, mass flow could also be upward due to capillary action. Diffusion results from random thermal motion of molecules and may cause migration in any direction. In addition, other features such as underground utilities, building foundations and other underground man-made structures may cause contaminants to spread horizontally for some distance before migrating downward. Releases to groundwater may occur if the water table is reached or if there is a direct pathway between surface water and groundwater, which may exist near Simmons Creek. Migration within groundwater is also dependent upon the same factors listed above for soil.

Dissolved constituents in site groundwater may discharge to downgradient locations, including surface water and sediment of the Kanawha River. Further evaluation of this pathway is discussed in Section 6.5.3.

6.4.4 Vapor Intrusion

The vapor intrusion of volatile constituents in the subsurface (soil and groundwater) to the indoor air of overlying occupied structures is a potential on-site transport pathway. Volatile constituents have been identified above conservative vapor intrusion screening criteria in groundwater in portions of the site.

Transport of these constituents in the subsurface may be controlled by four primary processes: diffusion, advection, phase partitioning, and degradation. In the subsurface away from a building, the dominant process for vapor transport is typically diffusion. However, both diffusion and advection processes may be important in the subsurface near a building (EPA, 2012b).

VOC concentrations in soil gas attenuate, or decrease, as the VOCs move from source areas through the soil and into indoor air. The extent of attenuation is related to site conditions, building properties, and chemical properties. As a result, the spatial proximity of overlying structures to potential VOC source areas is important in determining the

potential for a complete vapor intrusion pathway. Occupied structures within 100 feet of potential VOC source areas have been identified at the site.

Further evaluation of this pathway is detailed in Section 6.5.1.

6.5 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 6.2 depicts exposure pathways by which human receptors may be exposed to constituents in environmental media under current land- and water-use conditions. The purpose of this figure is to identify chemical sources and exposure pathways that can result in human 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 6.2 shows both potentially complete and incomplete pathways. Potentially complete and incomplete pathways for each of the potential receptors are discussed in the following section.

6.5.1 Potential Receptors

Potential receptors are defined as human populations or individuals and environmental systems that are susceptible to contaminant exposure from the Plant Area. Both current and future land- and water-use conditions were considered in determining exposure scenarios. However, future land use is anticipated to be no different than current, in that the use of the property will remain non-residential. Therefore, on-site industrial workers and on-site construction/excavation workers were considered potential receptors.

Plant Area groundwater flows toward and eventually discharges to the Kanawha River. Therefore, recreational users of the Kanawha River were also considered potential receptors.

The Plant Area is fenced and guarded, and access is controlled and limited to authorized personnel only. Therefore, trespassers were not considered potential receptors.

Based on information in a well/water use survey, groundwater is not used for drinking water on or near the site nor at Burning Springs Hollow located northwest of the Mountain Area. Moreover, the Kanawha River is not a drinking-water source in the Charleston area. Shallow overburden groundwater is used for drinking water in Upper Simmons Creek Hollow. However, the shallow aquifer is located above the site's impacted bedrock aquifers. Therefore, off-site residents were also not considered potential receptors of contaminants in Plant Area groundwater.

Similarly, off-site residents or workers were not considered potential receptors of Plant Area soil. Based on the data set collected to date, impacted soils are contained within site boundaries.

Currently, the majority of the site is used for manufacturing and support purposes and consists of buildings, asphalt-paved roads or parking areas, and concrete or gravel-covered staging areas. A small portion of the site contains regularly maintained landscaped areas. As noted earlier, within the Plant Area, the natural drainage of Simmons Creek has been channelized to concrete conveyances and, as a result, does not provide any ecological habitat. Therefore, ecological receptors were not considered relevant receptors within the Plant Area.

6.5.2 Potentially Complete Exposure Pathways

The model in Figure 6.2 shows both potentially complete and incomplete pathways. A description of each of the potentially complete exposure pathways is provided below. Incomplete exposure pathways are discussed in Section 6.4.3.

Surface Soil

COPCs in surface soil were identified at SWMUs 54, 58, 72, 191 and 192, and AOCs E and G. The potential for exposure to constituent in surface soils is limited to on-site receptors because impacted soils are contained within the site boundaries. Even on-site, the potential for exposure is low for most receptors because the principal areas of surface soil contamination are covered by a hard surface (asphalt, concrete, or gravel). The receptor with the greatest potential for exposure is the on-site construction/excavation worker, where a greater likelihood of direct contact with impacted soil is associated with intrusive activities. Excavation limitations are in place to ensure that the appropriate personal protective equipment (PPE) is used if soil is disturbed.

Potentially complete exposure pathways, therefore, may include the following:

- On-Site Industrial Worker - incidental ingestion of and dermal contact with surface soil; and, inhalation of surface soil-derived particulates and vapors
- On-Site Construction/Excavation Workers - incidental ingestion of and dermal contact with surface soil; and, inhalation of surface soil-derived particulates and vapors

Subsurface Soil

COPCs in subsurface soil were identified at SWMUs 54, 58, 79, and 121; AOCs E and G; and, MDA Area and SLM Area. Because subsurface soil impact is only present on-site, and exposure to subsurface soil is only achieved during excavation and construction activities, the only potential receptor is the on-site construction/excavation worker. Therefore, potentially complete exposure pathways may include incidental ingestion of and dermal contact with subsurface soil and inhalation of soil-derived particulates and vapors. COPCs would only be accessible during intrusive activities. As noted above, excavation limitations are in place to ensure that the appropriate PPE is used if soil is disturbed.

Groundwater

The potential for exposure is low because shallow groundwater is not currently used on-site or in the surrounding area for drinking water, and no downgradient users of off-site

groundwater exist due to the overall, prevailing flow direction toward the Kanawha River. However, vapor intrusion of volatile constituents in groundwater to the indoor air of overlying structures may occur. In addition, due to the shallow depth of groundwater in some portions of the Plant Area (approximately 3 to 17 feet bgs), exposure may occur during construction/excavation activities. Therefore, potentially complete exposure pathways may include the following:

- On-Site Industrial Worker: Inhalation of vapor-phase chemicals released from the subsurface (groundwater and soil) to indoor air
- On-Site Construction/Excavation Worker: Incidental ingestion of and dermal contact with groundwater and inhalation of vapor phase chemicals released from groundwater to a confined space (trench)
- Recreational User of Kanawha River: Incidental ingestion of and dermal contact with groundwater discharged to surface water while fishing; and ingestion of harvested fish from the river
- Ecological Receptors of Kanawha River: Ingestion of and direct contact with groundwater discharging to surface water

The aforementioned recreational use scenarios are protective of other recreational use scenarios identified for the Kanawha River (e.g., swimmers and boaters) because exposure assumptions used for the recreational fishing scenario are more conservative.

6.5.3 Incomplete Exposure Pathways

Mitigating factors were used in the evaluation of the completeness of an exposure pathway for this human health exposure assessment. The evaluation of mitigating factors uses logical and scientifically defensible reasoning based on a broader, more site-specific understanding of the CSM 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 worker exposure. Current human exposures are considered to be controlled if there is not a complete exposure pathway.

Subsurface Soil

Because the day-to-day operations of the on-site industrial worker do not include intrusive activities, direct contact (ingestion or dermal contact) with subsurface soil is not anticipated, and this exposure pathway is incomplete. Furthermore, the permitting process described in Section 6.5.1 for intrusive activities would preclude access to impacted soil/historical fill materials without protective measures, such as PPE, to prevent exposures.

Groundwater

Groundwater is not used currently on-site for potable or non-potable uses, and residential and non-residential users of impacted groundwater have not been identified downgradient of the site. Deed restrictions would prohibit its use as drinking water in the future. Furthermore, the downgradient Kanawha River is not used for water-supply purposes near the site. Therefore, direct contact (ingestion or dermal contact) with groundwater for all receptors is considered to be an incomplete exposure pathway.

Outdoor Ambient Air

Areas where volatile constituents or particulates in shallow soil exceed screening levels, are covered by either asphalt, concrete or gravel, thereby, minimizing potential exposure to soil. Soil and other physical covers are considered effective emission controls. Emission reductions of 92% have been reported for a 1-inch (2.5 centimeters) soil layer and 99.8% for a 40-inch (1.02 meters) soil layer (Vogel, 1985). Therefore, even a few feet of overlying soil will greatly reduce emission fluxes. In addition to these covers, excavation limitations are in place to ensure that the appropriate PPE is used if soil is disturbed.

Ditch Sediment

Routine maintenance activities do not occur within Simmons Creek. Therefore, exposure pathways associated with ditch sediment are considered incomplete. Furthermore, the permitting process described in Section 6.5.1 for intrusive activities would preclude access to impacted ditch sediment material without protective measures, such as PPE, to prevent exposures.

6.6 Significance of Potentially Complete Exposure Pathways

The potentially complete exposure pathways identified in Section 6.4 were further analyzed to determine which exposure pathways may require further evaluation or investigation. This section considers the site-specific activity patterns and physical conditions that exist at the site and focuses on whether potentially complete exposure pathways can be reasonably expected to be significant (i.e., potentially “unacceptable” because exposures could result in greater than acceptable risks).

A quantitative risk assessment was not completed as part of the Phase IV RFI. Rather than conduct a quantitative human health risk assessment as part of the RFI, Chemours has used an alternate approach to evaluate the need for corrective measures and determine which waste management units need to considered during the CMS. As part of this approach, units where an exceedance of residential soil screening criteria (and historical fill 95% UTLs, where applicable) were identified will be carried forward to the CMS. Institutional controls will be implemented to establish appropriate future land use. For units where an exceedance of industrial soil screening criteria (and historical fill 95% UTLs, where applicable) was identified will also be carried forward to the CMS. The human health conceptual exposure model, described within this section, will be used to support risk management decisions for these units in the CMS.

6.6.1 Industrial Worker Exposure Pathways

Direct Contact Exposure Pathways

COPCs in surface soil were identified at SWMUs 54, 58, 72, 191 and 192, and AOCs E and G. SWMUs 54, and 191 and AOC E are located in the western portion of the Plant Area near the former Coke Plant. SWMU 72 is located west of the OSD Area in the central portion of the Plant Area. SWMU 192 is also in the central portion of the Plant Area, west of the Amines Area. SWMU 58 is northwest of SWMU 192 within the AG-Mature Area. AOC G is located in the southwestern portion of the Plant Area east of the WWTP. With the exception of SWMU 191 and AOC E, each of the units are non-contiguous.

The following ground cover is present at these units (see photographs in Appendix F):

- SWMU 54: gravel
- SWMU 191: asphalt
- AOC E: asphalt and gravel
- SWMU 72: gravel, compacted
- SWMU 192: asphalt and gravel
- SWMU 58: asphalt
- AOC G: asphalt and gravel

In addition to these covers, excavation limitations are in place to ensure that the appropriate PPE is used if soil is disturbed. As a result, potential exposure to COPCs in surface soil by on-site workers is not considered significant.

Vapor Intrusion Pathways

As shown in Table 6.8, benzene, carbon tetrachloride, chlorobenzene, chloroform, ethylbenzene, naphthalene, and xylene concentrations exceeded VISLs in groundwater. To further evaluate potential on-site worker exposure, occupied structures in the vicinity of these VOCs were identified. Occupied structures include buildings near SWMU 158 and buildings associated with the former SSS Area, SLM Area, and MDA Area. For this evaluation, currently occupied structures were considered. The potential for vapor intrusion in other portions of the site would be re-evaluated should currently unoccupied buildings become occupied in the future or if new buildings are constructed. Chemours will ensure that steps (such as modeling, monitoring, and hazard communication), as needed, are in place to appropriately address the vapor intrusion pathway if it is identified.

As noted in Section 6.2.3, a weight-of-evidence approach was used to evaluate potential vapor intrusion pathways at these structures. Spatial groundwater concentrations were used as the primary line of evidence in the data evaluation presented in this section. However, site-specific information, such as building construction, were also considered. In addition, soil gas data collected at Building 299 and IH indoor air sampling conducted at Building 216 by plant personnel were also included in the evaluation.

Former SSS Area

Building 299, the SSS Warehouse, is located at the southwestern portion of the Plant Area. The SSS Warehouse was previously used to store products of intermediate herbicide compounds and is currently a vehicle terminal and office for a trucking group.

During an investigation conducted in October 2010, six near slab exterior shallow soil gas samples were collected from locations surrounding the perimeter of Building 299. Soil gas samples were collected from a depth of 5 feet bgs at each location. Two additional ambient air samples were also collected. Soil gas and outdoor (ambient) air samples were submitted for analysis of VOCs using EPA Method TO-15. Table 6.11 provides a summary of the constituents detected in the soil gas samples. Overall, the constituents detected in soil gas were consistent with constituents detected in shallow groundwater.

Constituents detected in soil gas were compared to EPA's commercial/industrial VISLs for soil gas. The following constituents were detected above the generic VISLs:

1,1-dichloroethane, 1,2,4-trimethylbenzene, benzene, chloroform, trichloroethene, and vinyl chloride (see Table 6.11).

The EPA spreadsheets that incorporate the Johnson and Ettinger (J&E) Model were used to further evaluate the vapor intrusion pathway for the six VOCs identified above in soil gas. The J&E Model is a one-dimensional analytical solution to convective and diffusive vapor transport into indoor spaces and provides an estimated attenuation coefficient that relates the vapor concentration in the indoor space to the vapor concentration at the source of contamination. The model is constructed as both a steady-state solution to vapor transport (infinite or non-diminishing source) and as a quasi-steady-state solution (finite or diminishing source). Inputs to the model include chemical properties of the contaminant, saturated and unsaturated zone soil properties, and structural properties of the building. Model results (both screening and advanced) are provided as an estimate of the actual incremental risks associated with a user-defined initial soil gas concentration (EPA, 2003). The J&E model is considered a conservative screening level tool. For example, the model assumes that all vapors originating from below the building will enter the building unless the floors and walls are perfect vapor barriers. In addition, the model does not account for dispersion or transformation processes (e.g., biodegradation, hydrolysis).

The following site-specific inputs were incorporated into the soil gas model:

- Depth below grade to bottom of enclosed space floor – 15 cm (default value for slab on grade)
- Depth below grade to soil gas sample – 152.4 cm (site-specific value of 5 feet)
- Default soil temperature (Degrees (º) Celsius) – 10º Celsius
- Soil Conservation Service (SCS) soil type directly beneath the building – Loam (site-specific). Soils in the vicinity of the building have been described as fill materials, consisting primarily of boiler ash slag, underlain by a mixture of silty sand, sandy/silt and silty clay. Consistent with J&E Model Guidance (EPA, 2003), loam is the recommended soil type for these materials.
- Default vadose zone soil type parameters for Loam.
- Site-specific building-related information
- Building dimensions of 171 feet long by 61 feet wide (including the office extension). The office extension (30 feet long by 40 feet wide) was also evaluated separately.
    - A ceiling height of 10 feet was used (used lowest ceiling height value for office extension).
    - The model was run to calculate the soil gas advection rate (Qsoil) based on the site-specific building parameters.
    - The model was run using a recommended building air exchange rate (ACH) of one ACH per hour. The ACH of one per hour is based on simple system rates for total supply air in a general office as reported by Michigan Department of Environmental Quality (MDEQ, 1998) and also recommended by the State of California as a minimum ACH for a commercial/industrial structure. The recommended commercial ACH value is considered conservative since it neglects natural ventilation, infiltration, occupancy entrance, and egress. Furthermore, the EPA has measured ventilation at 369

office buildings and found a median of 0.98 per hour (Persily and Gorfain, 2004). Ventilation rates for commercial/industrial structures have not been reported (Eklund and Burrows, 2009), but can be expected to be equal to or greater than those reported for office buildings, especially for structures with open bay doors.

- The model was run to calculate incremental risks from maximum detected soil gas concentrations. One exposure scenario was evaluated: industrial/commercial worker using EPA default exposure assumptions (worker – 250 days/year for 25 years).
- Most recent inhalation toxicity factors as provided in EPA's VISL Calculator (Version 3.3.1) were used for the six VOCs. In addition, the lower of Occupational Safety and Health Administration (OSHA) permissible exposure limits (PELs) and the ACGIH TLVs were included in the comparison.
- The current version of the EPA spreadsheets that incorporate the J&E model does not have an input for the number of hours per day; however, 24 hours/day is implicit in the model. Therefore, to calculate risk consistent with a non-residential endpoint the model output was divided by 3 to adjust the exposure rate for an industrial worker from the assumed value of a 24-hour/day to an 8-hour/day exposure.

The results of the model indicate that the concentrations of the six VOCs in soil gas do not pose an unacceptable risk (risk below EPA's acceptable risk range of between 10^{-6} and 10^{-4} and HQ <1) (see Table 6.12). Cumulative cancer risk estimates and total HQs were below EPA's acceptable risk range for all scenarios evaluated.

SLM Area, MDA Area, and SWMU 158

The EPA spreadsheets that incorporate the J&E Model were also used to further evaluate the vapor intrusion pathway for the VOCs identified in groundwater above VISLs in the SLM Area, MDA Area, and SWMU 158. Different from the J&E soil gas model, the J&E groundwater model results (both screening and advanced) are provided as either a risk-based groundwater concentration, or as an estimate of the actual incremental risks associated with a user-defined initial groundwater concentration (EPA, 2003).

The following site-specific inputs were incorporated into the groundwater model:

- Depth below grade to bottom of enclosed space floor – 15 cm (default value for slab on grade)
- Depth below grade to water table –
  - SWMU 158 Area (Buildings 243, 322 and 336): 350.5 cm (average site-specific value from Phase IV RFI logs, 11.5 feet)
  - MDA Area (Buildings 285 and 302): 335 cm (depth to water measured in May 2014 from MW-70-SO, 11 feet)
  - SWMU 148/SLM Area (Buildings 71, 73 and 216): 305 cm (site-specific value from Phase IV RFI logs, 10 feet)
- SCS soil type directly above water table – Loam (site-specific, see discussion presented above for soil gas)
- Default vadose zone soil type parameters for loam

- Site-specific building-related information
  - Site-specific building dimensions:
    - Building 216: 106 feet long by 238 feet wide
    - Building 71: 142 feet long by 54 feet wide
    - Building 73: 72 feet long by 28 feet wide
    - Building 336: 133 feet long by 62 feet wide
    - Building 322: 120 feet long by 42 feet wide
    - Building 243:118 feet long by 40 feet wide
    - Building 302: 90 feet long by 42 feet wide
    - Building 285: 65 feet long by 42 feet wide
  - A ceiling height of 10 feet was used for each building, with the exception of Building 216 (where a height of 20 feet was used).
  - The model was run using a building air exchange rate of 1 per hour (see discussion presented earlier for soil gas).
  - The model was run to calculate the Qsoil based on the site-specific building parameters.
- The model was run to calculate a screening concentration based on non-residential endpoints. One exposure scenario was evaluated: industrial/commercial worker using EPA default exposure assumptions (worker – 250 days/year for 25 years).
- Most recent inhalation toxicity factors as provided in EPA's VISL Calculator (Version 3.3.1) were used.
- The current version of the EPA spreadsheets that incorporate the J&E model does not have an input for the number of hours per day; however, 24 hours/day is implicit in the model. Therefore, to derive a screening level consistent with a non-residential endpoint the model output was multiplied by 3 to adjust the exposure rate for an industrial worker from the assumed value of a 24-hour/day to an 8-hour/day exposure.

Screening levels derived using the model are provided in Table 6.13 compared to groundwater data associated with each building. As indicated in the table, maximum detected concentrations in the vicinity of the occupied buildings evaluated were less than the site-specific screening levels derived using site-specific conditions.

In the SLM Area (Building 216), groundwater data are available both beneath and in the vicinity of the building. Table 6.13 provides a comparison of these data to the site-specific screening levels. Similar to above, maximum detected concentrations beneath and in the vicinity of Building 216 were less than the site-specific screening levels derived using site-specific conditions. In addition, indoor air sampling conducted by plant personnel in April 2014 using accepted National Institute of Occupational Safety and Health (NIOSH) IH methods did not detect any of the four VOCs evaluated in the J&E model (benzene, chlorobenzene, ethylbenzene, and xylenes).

Summary

The results of this site-specific evaluation indicate that vapor intrusion from groundwater to indoor air is not expected to be a concern for Building 216 in the SLM Area. Constituents detected in groundwater were less than either generic risk-based screening levels or risk-based screening levels derived using site-specific assumptions and the J&E Model. The results of site-specific modeling for Building 299 indicate that the concentrations of COPCs measured in soil gas do not pose an unacceptable risk for all of the scenarios evaluated. Similarly, IH indoor air sampling conducted by plant personnel for Building 216 using accepted NIOSH IH methods did not detect any constituents in indoor air.

6.6.2 On-Site Construction/Excavation Worker Exposure Pathways

Institutional controls are in place to prevent disturbance of soil (both surface and subsurface) and waste materials such that on-site receptors will not become exposed to contaminants in excess of screening criteria. These controls include an excavation permitting program, established Health and Safety Plan (HASP), and security controls.

The facility uses a permitting process that requires plant authorization for any intrusive activities (boring, drilling, excavation, etc.) into the soils or building foundations at the facility. The purpose of the permitting process is to ensure that the following are addressed:

- Underground utilities are avoided by clearing the area using appropriate instrumentation prior to intrusive activities.
- Work locations are checked against site-wide SWMU/AOC maps.
- Workers who engage in intrusive activities in SWMU/AOC areas are required to be OSHA 1910.120 trained and follow specific PPE requirements.
- Construction practices are carried out so as to minimize the generation of potentially impacted media and to ensure that such media are properly characterized and disposed of in accordance with regulatory requirements.

Finally, the site is fenced, and security controls access on-site 24 hours a day. Routine security patrols are also conducted throughout the site. In addition, plant and area orientations are required for all workers prior to commencing work on-site.

As a result of these policies and procedures at the plant, the potential exposure of on-site construction/excavation workers to COPCs in soil or shallow groundwater is not considered to be significant.

6.6.3 Kanawha River Exposure Pathways

The adjacent Kanawha River is the only current "receptor" for groundwater downgradient of the site; therefore, the surface-water body is the only exposure point of potential significance associated with off-site groundwater migration. As a result, an evaluation of groundwater release to surface water was performed to determine whether concentrations of constituents detected in perimeter groundwater monitoring wells are likely to result in exceedances of relevant surface-water quality criteria in downgradient water bodies.

The Kanawha River in the vicinity of the site is classified by the State of West Virginia as Category B (for the propagation and maintenance of fish and other aquatic life) and

Category C (for water contact recreation). It has a variance not to be used as Category A (a public water supply).

Water contact recreation includes swimming, boating, and fishing. However, land access to the river is limited due to site security, fencing, the presence of vegetation and steep embankments. Water access to the river along the Belle Plant is also limited due to the lack of public boat launching areas in the reach adjacent to the site. The nearest public launching area is located 1 mile upstream of the Belle Plant near Charleston, West Virginia.

Groundwater sample results from perimeter wells located along the Kanawha River (MW-24-SO/DO/A, MW-25-SO, MW-27-SO/DO, MW-29-SO/DO, MW-31-SO/DO, MW-73-SO, MW-75-SO, MW-76-SO, MW-77-SO, MW-89, MW-23-SO/DO/A, MW-32-DO, MW-21-SO/DO/A, MW-33-DO, MW-20-DO/A, MW-35-DO, MW-19-SO/DO/A, SLM-4, SLM-5, SLM-8, SLM-11, SLM-12, and SLM-13) were compared to surface-water criteria with an applied conservative dilution factor of 10 to account for groundwater and surface-water interaction. Surface-water criteria applied to groundwater included WVWQS and federal WQC. The use of a conservative dilution factor is consistent with current EPA RCRA EI guidance and the Advanced Notice of Proposed Rule Making (ANPRM) regarding establishing point of compliance for surface-water discharges.

As shown in Table 6.14, six VOCs (benzene, chlorobenzene, cis-1,2-dichloroethene, ethylbenzene, toluene, and xylenes) and 17 SVOCs (including 1,4-dioxane and naphthalene) were detected in perimeter groundwater above the screening criteria.

An evaluation using a site-specific dilution factor was then conducted to determine whether concentrations of COPCs identified above are likely to result in exceedances of relevant surface-water quality criteria in the Kanawha River. As shown in Table 6.14, groundwater concentrations when modeled to surface water do not exceed surface-water screening criteria. Estimated concentrations were at least three orders of a magnitude less than the screening criteria.

To further evaluate the groundwater-to-surface water pathway, historical surface-water samples collected in the Kanawha River in 2003 and 2007 were also evaluated. In 2003, DuPont collected several surface-water samples in the Kanawha River to assess whether source areas located near the river were adversely affecting surface-water quality. The results of the Kanawha River sampling investigation indicated that the groundwater discharging to the river was not adversely impacting surface-water quality (DuPont CRG, 2003a). Subsequent surface-water monitoring in 2007 confirmed this finding. While a few constituents were detected above WVWQS in samples collected directly adjacent to the site, the same constituents were either not detected or were less than WVWQS in samples collected from within the river channel (see Table 6.15). Therefore, exposure to potential receptors of groundwater discharged to surface water in the Kanawha River is not considered to be significant at this time.

However, additional investigation of the groundwater-to-surface water pathway is planned to confirm the findings of this evaluation and support remedial decisions for the site. Sediment pore water samples are to be collected from the Kanawha River adjacent to the Plant Area. The results of the investigation will be used to evaluate potential ecological impacts to benthic invertebrates via the groundwater-to-surface migration pathway.

6.7 Summary and Conclusions

Results of the RFI were used to refine the CSM previously presented for the site in the CCR (DuPont CRG, 1999). Potentially complete exposure pathways were evaluated for potential receptors identified based on current and reasonably anticipated future land use. Based on an evaluation of site-specific exposure conditions, no significant potentially complete exposure pathways for human health or the environment were identified at this time, including groundwater discharge to the Kanawha River.

7.0 Conclusions and Recommendations

Over the four phases of investigation conducted at the Plant Area, all SWMUs, AOCs, and areas requiring investigation have been fully investigated for releases and potential impact to human health and the environment. A review of the investigation findings presented in this report concludes that the RFI is considered to be complete. Characterization of the SWMUs, AOCs, and other areas has been completed for the purposes of evaluating the potential for releases to the environment, updating the CSM, and evaluating the need for a CMS. Although the characterization is complete, there is the potential for future data needs to be identified in preparation for a CMS.

During these investigations, two overburden aquifer flow zones and one bedrock aquifer (the A Zone aquifer) were identified at the site. The shallow overburden aquifer occurs in the saturated portion of the fill, sand, and sandy-clay and is absent in the two large areas located in central portions of the site where the upper sand unit and/or fill are not present or of limited thickness. The shallow overburden aquifer was generally encountered at a depth ranging from 3 to 18 feet bgs, and groundwater flow is in a south-southwest flow direction toward the Kanawha River.

The deep overburden aquifer is confined by the overlying clay unit, where it exists; occurs in all areas beneath the Plant Area at a depth ranging from 35 to 52 feet; and, is hydraulically connected to the confined underlying bedrock aquifer. Groundwater in the deep overburden aquifer also generally flows southwest toward the Kanawha River. However, the Kanawha River likely recharges the deep overburden aquifer in the near-bank area. The aquifer is not used for drinking water on-site or downgradient of the site; likewise, the river is not a source of drinking water for the surrounding community.

Of the SWMUs, AOCs and areas investigated, confirmed releases were identified at the following:

- A release to soil or groundwater is indicated at the following units, and the source of the release is considered to be related to the unit investigated: SWMUs 32-35, 58, 115, 150, 153, 158, 191 and 192, AOC A (former Benzol Process Area portion), AOC E, the MDA Area and associated SWMUs 64 and 67, the SLM Area and associated SWMUs (SWMUs 97, 105, 106, 109 and 149), and the former SSS Area.
- A release to soil is indicated at the following units; however, the source of the release is considered to be consistent with the placement of historical fill across the site: SWMUs 54, 72, 79, 121, 122 and 154, and the MDA Area.
- A release to soil or groundwater is indicated at the following units; however, the source of the release is either associated with other plant activities in the area or is unknown: SWMUs 54 and 148 and AOC G.

COPCs were identified in soil (surface and subsurface), groundwater (shallow overburden, deep overburden, and bedrock), indoor air, and ditch sediment. COPCs in soil include two VOCs (ethylbenzene and xylenes), SVOCs (PAHs), dioxins/furans, and limited metals (antimony, arsenic, cobalt, and mercury). Several VOCs and SVOCs were identified as COPCs in groundwater, most notably benzene, chlorobenzene, formaldehyde, 1,4-dioxane, and naphthalene. VOC-impacted and/or SVOC-impacted areas include groundwater within the former process areas at the western portion of the site (Benzol and SSS), the MDA Area (central plant), and the eastern end of the plant (off-site groundwater plume). In addition, additional releases to groundwater were

identified near AOC E, SWMUs 148, 150 and 158, and the SLM Area. COPCs in indoor air include benzene, carbon tetrachloride, chlorobenzene, chloroform, ethylbenzene, naphthalene, and xylenes.

Potentially complete on-site industrial worker exposure pathways, on-site construction/excavation worker exposure pathways, and Kanawha River exposure pathways were evaluated as part of the CSM. The evaluation considered the site-specific activity patterns and physical conditions that exist at the site and focused on whether potentially complete exposure pathways can be reasonably expected to be significant (i.e., potentially "unacceptable" because exposures could result in greater than acceptable risks). Based on this evaluation, no significant potentially complete exposure pathways for human health or the environment were identified at this time, including groundwater discharge to the Kanawha River. However, additional investigation of pore water in the Kanawha River is planned.

Based upon the conclusions presented above, the following recommendations are presented:

- The following units or areas with identified releases to soil or groundwater are recommended for further evaluation in the CMS: SWMUs 32-35, 54, 58, 72, 79, 115, 121, 122, 148, 150, 153, 154, 158, 191 and 192; AOCs A (former Benzol Process Area portion), E and G; the former MDA Area and SLM Area (and associated SWMUs – SWMUs 64, 67, 97, 105, 106, 109 and 149); and the former SSS Area.
- The CMS evaluation for these units and areas will include a review of existing institutional and administrative controls currently implemented at the site and the development of a soil or materials management plan to continue these controls into the future. It is recommended that the soil management plan address COPCs identified in soil not only as a result of SWMU-related releases but also those associated with historical fill.
- Groundwater was not sampled downgradient of the following pumping stations: SWMUs 147, 151, 154, and 155. These pumping stations conveyed sanitary and process wastewaters to the WWTP. Documented releases have occurred from these units. Therefore, these units are also recommended to be evaluated further in the CMS as potential source areas for releases to groundwater. In addition, SWMUs 145, 146, 152, and 157 (the sewer lines and three other pumping stations), which were identified as investigation deferred in the Decision Tree Evaluation Process and the RCRA permit and were not investigated, are also recommended to be evaluated further in the CMS as potential source areas for releases to groundwater.
- A release to soil or groundwater is not indicated at SWMUs 41A, 48, 53, 73-76, 80, 160, 161, 189 and 190, AOC A (former Coke Plant portion), and AOC F. No further action is recommended for these units.
- No further investigation of site groundwater as part of a RFI is recommended. However, Plant Area groundwater is recommended for further evaluation in the CMS. The CMS evaluation will review the existing monitoring well network to determine whether it is sufficient to monitor releases identified in Plant Area groundwater.
- Five IRMs have been implemented at the Plant Area. The Injection Well Closure (SWMUs 183 and 184), the Process Sewer Upgrade, and the B-Plant Trench

and Sump System Closure are recommended for inclusion in the CMS as proposed final remedial measures. The other two IRMs, the two DPE systems in the former Benzol Process Area and in the former SSS Area, are recommended for further evaluation in the CMS. In addition, the six SWMUs within the former SSS Area (SWMUs 1, 5, 6, 7, 9, and 10), which were identified as no further investigation in the Decision Tree Evaluation Process and the permit, are recommended as no further action.

Table 5.35 provides a summary of the recommendations for each unit. As indicated in the table and discussed in Section 6.6, units where an exceedance of residential soil screening criteria (and historical fill 95% UTLs, where applicable) were identified will be carried forward to the CMS. Institutional controls will be implemented to establish appropriate future land use. The units where an exceedance of industrial soil screening criteria (and historical fill 95% UTLs, where applicable) was identified will also be carried forward to the CMS. Table 5.35 also identifies the SWMUs recommended for NFA as previously agreed upon with EPA.

8.0 References

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Tables

Table 5.1
Phase IV RFI Investigations Analytes
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Phase IV RFI Investigation	SWMU/ AOC Number	Media Sampled	Analytes
Release Assessment*	54	Soil	Appendix IX VOCs, SVOCs, Metals, Ammonia
	191	Soil	Appendix IX VOCs, SVOCs, Metals, Dioxins/Furans
	E	Soil	Appendix IX VOCs, SVOCs, Metals, TPH DRO, TPH GRO, MTBE, TBA
	A	Soil	Appendix IX VOCs, SVOCs, Metals
	153	Soil	Appendix IX VOCs, SVOCs, Metals
	155	Soil	Appendix IX VOCs, SVOCs, Metals
	32-35	Soil	Appendix IX VOCs, SVOCs, Metals
	72	Soil	Appendix IX VOCs, SVOCs, Metals
	151	Soil	Appendix IX VOCs, SVOCs, Metals
	150	Soil	Mercury
	121	Soil	Appendix IX VOCs, SVOCs, Metals
	122	Soil	Appendix IX VOCs, SVOCs, Metals
	48	Soil	Appendix IX VOCs, SVOCs, Metals, Ammonia
	79	Soil	Appendix IX VOCs, SVOCs, Metals, Ammonia
	73-76	Soil	Appendix IX VOCs, SVOCs, Metals
	80	Soil	Appendix IX VOCs, SVOCs, Metals
	41 A	Soil	Appendix IX VOCs, SVOCs, Metals
	64	Soil	Appendix IX VOCs, SVOCs, Metals
	67	Soil	Appendix IX VOCs, SVOCs, Metals
	192	Soil	Appendix IX VOCs, SVOCs, Metals, Dioxins/Furans
	160	Sediment	Appendix IX VOCs, SVOCs, Metals
	161	Sediment	Appendix IX VOCs, SVOCs, Metals
	190	Sediment	Appendix IX VOCs, SVOCs
	109	Soil	Appendix IX VOCs, SVOCs, Metals, Herbicides
	53	Soil	Appendix IX VOCs, SVOCs, Metals, Herbicides
	115	Soil	Appendix IX VOCs, SVOCs, Metals, Formaldehyde
	F	Soil	Formaldehyde
	189	Soil	Appendix IX VOCs, SVOCs, Metals
	58	Soil	Appendix IX VOCs, SVOCs, Metals, Ammonia

*Soil samples collected during Phase I and Phase II were analyzed for Priority Pollutant Volatile Organics plus acetone, methyl ethyl ketone and total xylenes, Target Compound Semi-volatile Organics plus 2-picoline, analine, 1,4-Dioxane, 4 methylphenol, acetophenone and pyridine, and RCRA Metals. Investigation dates = 2000-2002. Sample prefix = HP-, SLM-HP-, and MDA-HP-.

Investigation Dates = November 2012 - February 2013
Sample Prefix = "BEL-S-"

Phase IV RFI Investigation	SWMU/ AOC Number	Media Sampled and Analyte List (see Below)
Data Gap Investigation	54	Soil - A and B, Groundwater - A, Soil Vapor - B
	191	Soil - A and C, Groundwater - A
	E	Soil - A and C, Groundwater - A and B
	A	Soil - B
	32-35	Soil - A and B, Groundwater - A
	122	Soil - B, Soil Vapor - B
	79	Soil - B
	58	Soil - C
	SLM	Soil, Groundwater - Appendix IX VOCs, SVOCs

A = Appendix IX VOCs, SVOCs, TOC, Dissolved Gasses, Sodium, Formaldehyde
B = Appendix IX VOCs, SVOCs, TOC, Dissolved Gasses, Ammonia, Formaldehyde
C = Sodium, Potassium, Calcium, Magnesium, Total Iron, Ammonia, Formaldehyde, pH, Specific Conductance

Investigation Dates = May 2013
Sample Prefix = "P4S-0513-", "P4G0513-", "P4V0513-"

SLM Investigation Dates - July 2013
SLM Sampling Prefix - "P4S-0713-", "P4G-0713-"

Phase IV RFI Investigation	SWMU/ AOC Number	Media Sampled	Analytes
Delineation Investigation	54	Soil	PAHs
	191	Soil	PAHs and Arsenic
	E	Soil, Groundwater	Soil - PAHs and Arsenic Groundwater - Formaldehyde
	32-35	Groundwater	Formaldehyde
	72	Soil	Arsenic
	64 (MDA)	Groundwater	Appendix IX VOCs, SVOCs
	67 (MDA)	Groundwater	Appendix IX VOCs, SVOCs
	192	Soil	PAHs , Dioxins/Furans
	58	Groundwater	Benzene
	SLM	Groundwater	Appendix IX VOCs
	G	Groundwater	Appendix IX VOCs, SVOCs, Metals, Formaldehyde
	148	Groundwater	Appendix IX VOCs, SVOCs, Metals, Formaldehyde
	150	Groundwater	Appendix IX VOCs, SVOCs, Metals, Formaldehyde
	153	Groundwater	Appendix IX VOCs, SVOCs, Metals, Formaldehyde
	158	Groundwater	Appendix IX VOCs, SVOCs, Metals, Formaldehyde

Investigation Dates = November and December 2013
Sample Prefix = "SS1113-", "GW1113-"

Phase IV RFI Investigation	SWMU/ AOC Number	Media Sampled	Analytes
Final Data Gap Investigation			
	SLM	Groundwater	Appendix IX VOCs, Naphathlene, 1-,4-dioxane, Formaldehyde
	148	Groundwater	Appendix IX VOCs, Naphthalene, 1-,4-dioxane, Formaldehyde
	158	Groundwater	Appendix IX VOCs, Naphathlene, 1-,4-dioxane, Formaldehyde

Investigation Dates = October and November 2014
Sample Prefix = "P41014-"

Table 5.2
MIPS Response Evaluation Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Planned Sample ID	Data Gap Filled	Sampling Logic	Phase IV RFI Results			Findings
			Actual Soil Interval	Soil Gas	Groundwater	
AOC E-1 (34-35')	Naturally Occurring Hydrocarbon?	strong FID detections	34-35 feet: ammonia 165,000 ug/kg, Polyaromatic hydrocarbons (PAHs) very low, TOC 6950 mg/kg, benzene, ethylbenzene, toluene, xylene (BTEX) ND, formaldehyde 49 mg/kg	NA	Groundwater (GW): ppbs of PAHs, Dibenzofuran 49 ug/L, formaldehyde 89 ug/L, ethane 1.5J ug/L, ethene ND, methane 3300 ug/L, napthelene 140 ug/L, J values of BTEX, TOC 2.5 mg/L	FID detection noted in log may be due to methane (found in GW) and/or TOC)
AOC E-1 (7-8')	Cause of "high" EC reading	Relatively high Spec Electical Cond	7-8 feet: ammonia 178,000 ug/kg, Ca 2650 mg/kg, formaldehyde 20 ug/kg, iron 22,900 mg/kg, Mg 2,440 mg/kg, Na 467, K 1780 mg/kg, spec cond 442 umhos/cm	NA	NA	Specific electrical conductivity consistant with MIPS measured. Sodium (Na) is much higher than the "base"
AOC E-3 (8-9')	Unidentified Constituent	high FID	NA	NA	GW: ammonia 13.4 mg/L, formaldehyde 16,000 ug/L, methane 4,800 ug/L; TOC 22.6 mg/L	FID response in the MIP were noted at 7-10' and below 35'. The groundwater sample detected both methane and TOC. These are believed to be naturally occurring hydrocarbons.
AOC A-1 (15-16')	Unidentified Constituent	moderate	15-16 feet: ammonia 140,000 ug/kg, several J-value PAHs, TOC 2,600 mg/kg	NA	NA	Aside from TOC or ammonia, no COCs identified as the potential unidentified constituent.
SWMU-054-1A (21-22)	Unidentified Constituent	moderate ratio, high PID	21-22 feet: ammonia 149,000 ug/kg, few J-value PAHs, TOC 4,110 mg/kg; formaldehye and VOCs ND	NA	NA	Both PID and FID MIP detectors showed peaks, the TOC in this sample is the only confirmation that a constituent is present.
SWMU-054-2 (20-21')	Unidentified Constituent	highest PID (w/o FID)	20-21 feet: ammonia ND, J-value acetone, PAHs, and formaldehyde, TOC 2940 mg/kg	20-21 feet: several VOCs in ppb levels, toluene	NA	The MIP for this interval had only PID response with no FID response. Soil sample has no ammonia, limited PAHs, and some TOC. Soil vapor sample had many fuel-related constituents.
SWMU-054-2 (36-37')	Naturally Occurring Hydrocarbon?	strong FID response	36'-37': 0.78 mg/kg acetone, ammonia 63.7J mg/kg, 31 formaldehyde, low PAHs (ppb and J-values), TOC 18,600 mg/kg	NA	GW: acetone 9J, PAHs (j-values), ethane 2.5J, ethene ND, methane 6,400 ug/L, formaldehyde 100 ug/L, TOC 4.4 mg/L	Strong FID response is coincident with TOC detections in soil and groundwater. Methane was also detected at its highest concentration here. This is believed to support the belief that the strong FID response in this log was due to naturally occurring hydrocarbons.
SWMU-058-2 (19-20)	High spec. conductivity	Relatively high Spec Electical Cond and deep sample	19'-20': ammonia 214,000 - 601,000 ug/L, Ca 1,090, Mg 3,620, K 2,640, Na 1,100, Fe 31,800, pH 5.26-5.34, formaldehyde 6.1-7.3 mg/kg; Spec cond 1,000 and 1160 umohs/com.	NA	NA	The soil-measured specific conductivity confirms the EC log from the MIPS. Sodium was detected at the highest concentration at this location indicating more salts in the soil here.
SWMU-079-2 (8-9')	Unidentified Constituent	High PID	8'-9': ammonia 434,000 ug/kg; 0.13 mg/kg acetone, low ppb benzene, methylene chloride and other VOCs, TOC: 3,450 mg/kg	NA	NA	No major VOCs identified in the analytical samples. Unlikely that this could be due to ammonia (note how the SWU-054-2 (20-21) sample had ND ammonia and high PID. Therefore cannot be due to ammonia.
SWMU-122-1 (5-6')	Unidentified Constituent	med FID	5'-6': estimated concentrations of PAHs, ammonia 81-131 mg/kg, formaldehyde 21 ug/kg, TOC 3,810-3,950 ug/KG	Acetone: 8,200E ppb, MEK: 5,200E ppb; plus other VOCs and 3 unidentified TICs	NA	MEK and acetone present in soil vapor, but not in the soil samples. Might be cause of the FID detections.

Table 5.2
MIPS Response Evaluation Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Planned Sample ID	Data Gap Filled	Sampling Logic	Phase IV RFI Results			Findings
			Actual Soil Interval	Soil Gas	Groundwater	
SWMU191-1 (5-6')	High spec. conductivity	Relatively high Spec Electical Cond	5'-6': ammonia 567,000 ug/kg, Ca 1,740 mg/kg, Mg 2,718 mg/kg, K 2,200 mg/kg Na 265 mg/kg, Fe 20,200 mg/kg; TOC 19,200 mg/kg; pH 6.06, Spec cond 148 umhos/cm	NA	NA	Sodium higher than the baseline sample (SWMU191-1 (21-22')). Specific conductivity correlates with the MIP reading.
SWMU191-1 (21-22')	Naturally Occurring Hydrocarbon?	strong FID response	21'-22': two J-value PAHs, organic gas samples not collected, TOC 4,240 mg/kg	NA	No GW sample collected.	Groundwater was not collected for this interval. Strong FID response is coincident with TOC detection, but no specific constituents detected.
SWMU191-1 (21-22')	Low spec. conductivity (for baseline)	Establish a low "baseline" specific conductivity reading	21'-22': ammonia 249,000 ug/kg, Ca 1,310 mg/kg, Mg 3,300 mg/kg, K 2,340 mg/kg, Na 86J mg/kg, Fe 40,900 mg/kg, Spec Cond 56.1 umohs/com	NA	NA	Specific electrical conductivity result was consistant with MIPS measured. Of the major ions, only sodium (Na) seems unusually low. Potasium (K) and the divalent cations (Ca, and Mg) do not vary significantly.
SWMU32-35 2 (5-7)	Unidentified Constituent	highest ratio	5'-7': estimated values of some VOCs and SVOCs/PAHs detected, acetone 0.051 mg/kg, MEK 0.015 mg/kg, ammonia 383,000 ug/kg, formaldehyde 12 ug/kg, TOC 6,190 mg/kg	NA	NA	Lab results show low concentrations. It is possible that the low concentrations of VOCs are being detected by the MIPs FID detector. TOC also present.
SWMU 32-35-5 (35-36')	Naturally Occurring Hydrocarbon?	strong FID response	35'-36': PAHs/SVOCs at estimated (phenanthrene 35 ug/kg), formaldehyde 24 ug/kg, TOC 6,610 mg/kg	NA	GW: ammonia 6.7 ug/L, methane 2,700 ug/L, PAHs/SVOCs in low ppb detections, formaldehyde 980 ug/L, TOC 4 mg/L	Very strong FID response (overrange on the MIP) imply a constituent. Groundwater analytical data show no major VOCs (some PAHs) detected in groundwater along with TOC and methane.

* Sample Media: S= soil; GW=groundwater; SV=soil vapor. Note: SV or GW

Table 5.3
RFI Soil Results – Historical Fill
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Location ID	HF-1	HF-1	HF-2	HF-2	HF-3	HF-3	HF-4	HF-4	HF-5	HF-5
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20	Field Sample ID	28925256	28925257	28925259	28925260	28925262	28925263	28925265	28925266	28925271	28925272
					Sample Name	BEL-S-HF-1(0.5-1)	BEL-S-HF-1(4-5)	BEL-S-HF-2(0.5-1)	BEL-S-HF-2(5-6)	BEL-S-HF-3(0.5-1)	BEL-S-HF-3(4-5)	BEL-S-HF-4(0.5-1)	BEL-S-HF-4(4-5)	BEL-S-HF-5(0.5-1)	BEL-S-HF-5(3-4)
					Date Sampled	02/25/2013	02/25/2013	02/25/2013	02/25/2013	02/25/2013	02/25/2013	02/25/2013	02/25/2013	02/25/2013	02/25/2013
					Start Depth - End Depth (ft)	0.5 - 1	4 - 5	0.5 - 1	5 - 6	0.5 - 1	4 - 5	0.5 - 1	4 - 5	0.5 - 1	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill
Semi-Volatile Organic Compounds															
1-Methylnaphthalene	MG/KG	73		0.12		**0.0360**	**0.0050 J**	**0.0230**	**0.0100 J**	<0.0030	<0.0040	**0.3500**	**0.0280**	**0.0340**	<0.0040
2-Methylnaphthalene	MG/KG	300		3.8		**0.0420**	<0.0040	**0.0280**	**0.0120 J**	<0.0030	**0.0050 J**	**0.4700**	**0.0360**	**0.0510**	**0.0050 J**
Acenaphthene	MG/KG	4500		110		<0.0040	<0.0040	<0.0040	<0.0040	<0.0030	<0.0040	**0.0340 J**	<0.0040	<0.0040	<0.0040
Acenaphthylene	MG/KG	4500				**0.0870**	<0.0040	**0.0060 J**	<0.0040	**0.0090 J**	<0.0040	**0.3100**	<0.0040	<0.0040	<0.0040
Anthracene	MG/KG	23000		1160		**0.0440**	<0.0040	**0.0080 J**	<0.0040	<0.0030	<0.0040	**0.4400**	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG	2.9		0.24		**0.3300**	<0.0040	**0.0190**	**0.0060 J**	**0.0040 J**	<0.0040	**0.8900**	**0.0040 J**	**0.0140 J**	**0.0050 J**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82		**0.5100**	<0.0040	**0.0340**	**0.0060 J**	**0.0070 J**	<0.0040	**1.6000**	**0.0100 J**	**0.0350**	**0.0060 J**
Benzo(G,H,I)Perylene	MG/KG	2300				**0.2700**	<0.0040	**0.0230**	**0.0050 J**	**0.0070 J**	<0.0040	**0.6100**	**0.0140 J**	**0.0160 J**	**0.0080 J**
Benzo(K)Fluoranthene	MG/KG	29		8.0		**0.2200**	<0.0040	**0.0130 J**	<0.0040	<0.0030	<0.0040	**0.6400**	<0.0040	**0.0080 J**	<0.0040
Benzo[A]Pyrene	MG/KG	0.29	4.80	0.08		**0.3400**	<0.0040	**0.0180 J**	<0.0040	<0.0030	<0.0040	**0.6900**	<0.0040	**0.0080 J**	**0.0040 J**
Chrysene	MG/KG	290		24		**0.3200**	**0.0050 J**	**0.0310**	**0.0050 J**	**0.0050 J**	**0.0060 J**	**1.5000**	**0.0090 J**	**0.0570**	**0.0050 J**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26		**0.0740**	<0.0040	<0.0040	<0.0040	<0.0030	<0.0040	**0.2000**	<0.0040	**0.0060 J**	<0.0040
Fluoranthene	MG/KG	3000		1780		**0.5700**	**0.0060 J**	**0.0290**	**0.0060 J**	**0.0130 J**	**0.0040 J**	**1.9000**	**0.0060 J**	**0.0400**	**0.0040 J**
Fluorene	MG/KG	3000		108		**0.0080 J**	<0.0040	<0.0040	<0.0040	<0.0030	<0.0040	**0.0850 J**	<0.0040	<0.0040	<0.0040
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8		**0.2200**	<0.0040	**0.0180 J**	**0.0050 J**	<0.0030	<0.0040	**0.5700**	<0.0040	**0.0070 J**	<0.0040
Naphthalene	MG/KG	17		0.01		**0.0690**	**0.0050 J**	**0.0250**	**0.0140 J**	**0.0190**	**0.0060 J**	**1.2000**	**0.0260**	**0.0780**	**0.0060 J**
Phenanthrene	MG/KG	23000				**0.1300**	**0.0070 J**	**0.0340**	**0.0090 J**	**0.0100 J**	**0.0060 J**	**0.8700**	**0.0200 J**	**0.2200**	**0.0060 J**
Pyrene	MG/KG	2300		260		**0.5000**	**0.0060 J**	**0.0250**	**0.0070 J**	**0.0070 J**	**0.0040 J**	**1.5000**	**0.0090 J**	**0.0240**	**0.0040 J**
Inorganics															
Antimony	MG/KG	47	5.4	7.0		**1.76**	<0.0804	**1.20**	<0.0805	**0.592**	**0.122 J**	**0.931**	<0.0831	<0.0738	<0.0741
Arsenic	MG/KG	3.0	5.8	0.03		**18.9**	**4.22**	**7.56**	**4.02**	**23.1**	**7.20**	**9.36**	**6.54**	**8.82**	**3.93**
Barium	MG/KG	22000	1640	3200		**61.6**	**148**	**29.5**	**131**	**11.3**	**125**	**135**	**185**	**120**	**26.3**
Beryllium	MG/KG	230	64	380		**0.476 J**	**1.24**	**0.233 J**	**1.18**	**0.309 J**	**1.21**	**0.562 J**	**1.64**	**1.40**	**0.137 J**
Cadmium	MG/KG	98	7.6	13.8		**0.0824 J**	<0.0402	**0.0437 J**	<0.0403	<0.0344	<0.0402	**1.06**	**0.283 J**	<0.0369	**0.184 J**
Chromium	MG/KG	180000	3600000			**7.31 K**	**23.4 K**	**3.72 K**	**20.8 K**	**3.73 K**	**18.0 K**	**17.1 K**	**27.6 K**	**18.3 K**	**6.25 K**
Cobalt	MG/KG	35		5.4		**3.13**	**8.94**	**1.54**	**8.20**	**2.03**	**8.04**	**5.08**	**13.3**	**13.6**	**2.54**
Copper	MG/KG	4700	920	560		**51.4**	**12.4**	**20.0**	**11.8**	**15.4**	**15.4**	**77.2**	**12.0**	**23.6**	**5.45**
Lead	MG/KG	800	280			**41.8**	**23.4**	**22.0**	**26.8**	**8.71**	**27.3**	**94.0**	**27.8**	**20.5**	**5.82**
Mercury	MG/KG	35	2.0			**0.699**	**0.0351 J**	**0.104 J**	**0.0216 J**	**0.0231 J**	**0.0329 J**	**4.14**	**0.0160 J**	**0.0318 J**	<0.0113
Nickel	MG/KG	2200		520		**7.73**	**19.1**	**6.06**	**18.4**	**7.87**	**17.1**	**12.1**	**22.1**	**23.5**	**7.35**
Selenium	MG/KG	580	5.2	10.4		**1.94**	**0.963**	**0.436 J**	**1.03**	**0.329 J**	**0.644**	**1.57**	**1.43**	**0.869**	<0.112
Silver	MG/KG	580		16		**0.331 J**	<0.171	<0.157	<0.171	<0.146	<0.171	**0.584 J**	<0.176	<0.157	<0.157
Thallium	MG/KG	1.2	2.8	0.28		**0.136**	**0.312**	<0.0336	**0.222**	**0.0668 J**	**0.215**	**0.155**	**0.252**	**0.194**	**0.0758 J**
Tin	MG/KG	70000		60000		**2.50 B**	**2.51 B**	**3.92 B**	**2.54 B**	**2.10 B**	**2.71 B**	**2.95 B**	**2.50 B**	**2.13 B**	**2.00 B**
Vanadium	MG/KG	580		1720		**7.71**	**35.7**	**4.19**	**31.0**	**4.59**	**25.9**	**11.2**	**43.7**	**26.1**	**6.44**
Zinc	MG/KG	35000		7400		**24.2**	**74.4**	**19.5**	**64.9**	**6.45**	**68.1**	**91.1**	**74.3**	**79.6**	**19.1**
Miscellaneous															
Percent Moisture	%					**9.9**	**21.1**	**14.2**	**21.2**	**6.0**	**18.8**	**17.9**	**22.1**	**12.3**	**13.5**

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-5}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and Ind Soil SL

B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower

Table 5.3
RFI Soil Results – Historical Fill
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Location ID	HF-6	HF-6	HF-7	HF-7	HF-8	HF-8	HF-9	HF-9	HF-10	HF-10
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20	Field Sample ID	28925268	28925269	28925283	28925284	28925274	28925275	28925280	28925281	28925277	28925278
					Sample Name	BEL-S-HF-6(0.5-1)	BEL-S-HF-6(9-10)	BEL-S-HF-7(0.5-1)	BEL-S-HF-7(9-10)	BEL-S-HF-8(0.5-1)	BEL-S-HF-8(11-12)	BEL-S-HF-9(0.5-1)	BEL-S-HF-9(8-9)	BEL-S-HF-10(0.5-1)	BEL-S-HF-10(8-9)
					Date Sampled	02/25/2013	02/25/2013	02/25/2013	02/25/2013	02/25/2013	02/25/2013	02/25/2013	02/25/2013	02/25/2013	02/25/2013
					Start Depth - End Depth (ft)	0.5 - 1	9 - 10	0.5 - 1	9 - 10	0.5 - 1	11 - 12	0.5 - 1	8 - 9	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill
Semi-Volatile Organic Compounds															
1-Methylnaphthalene	MG/KG	73		0.12		**0.2400**	**0.0090 J**	**0.0920 J**	<0.0040	**0.0780**	<0.0040	**0.1000**	**0.0160 J**	**0.0080 J**	<0.0040
2-Methylnaphthalene	MG/KG	300		3.8		**0.3100**	**0.0080 J**	**0.0880 J**	**0.0050 J**	**0.0860**	<0.0040	**0.1200**	**0.0250**	**0.0080 J**	<0.0040
Acenaphthene	MG/KG	4500		110		<0.0040	<0.0040	<0.0180	<0.0040	<0.0040	<0.0040	<0.0180	<0.0040	<0.0040	<0.0040
Acenaphthylene	MG/KG	4500				**0.0210**	<0.0040	**0.0370 J**	<0.0040	**0.0110 J**	<0.0040	**0.0380 J**	**0.0070 J**	**0.0160 J**	<0.0040
Anthracene	MG/KG	23000		1160		**0.0060 J**	<0.0040	**0.0350 J**	<0.0040	**0.0040 J**	<0.0040	**0.0310 J**	**0.0100 J**	**0.0050 J**	<0.0040
Benzo(A)Anthracene	MG/KG	2.9		0.24		**0.0180 J**	**0.0050 J**	**0.1200**	**0.0040 J**	**0.0080 J**	<0.0040	**0.1400**	**0.0330**	**0.0040 J**	<0.0040
Benzo(B)Fluoranthene	MG/KG	2.9		0.82		**0.0350**	**0.0110 J**	**0.2700**	**0.0070 J**	**0.0180**	<0.0040	**0.2600**	**0.0360**	**0.0050 J**	**0.0060 J**
Benzo(G,H,I)Perylene	MG/KG	2300				**0.0220**	**0.0090 J**	**0.2100**	**0.0070 J**	**0.0110 J**	<0.0040	**0.1500**	**0.0290**	**0.0050 J**	**0.0050 J**
Benzo(K)Fluoranthene	MG/KG	29		8.0		**0.0060 J**	<0.0040	**0.0960**	**0.0060 J**	**0.0050 J**	<0.0040	**0.0790 J**	**0.0170 J**	**0.0040 J**	<0.0040
Benzo[A]Pyrene	MG/KG	0.29	4.80	0.08		**0.0130 J**	**0.0050 J**	**0.1300**	**0.0060 J**	**0.0050 J**	<0.0040	**0.1600**	**0.0330**	**0.0060 J**	**0.0040 J**
Chrysene	MG/KG	290		24		**0.0420**	**0.0160 J**	**0.2200**	**0.0050 J**	**0.0160 J**	<0.0040	**0.1900**	**0.0380**	**0.0060 J**	**0.0040 J**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26		**0.0080 J**	<0.0040	**0.0600 J**	<0.0040	**0.0040 J**	<0.0040	**0.0520 J**	**0.0100 J**	**0.0040 J**	<0.0040
Fluoranthene	MG/KG	3000		1780		**0.0490**	**0.0060 J**	**0.1600**	**0.0050 J**	**0.0190**	<0.0040	**0.2200**	**0.0370**	**0.0120 J**	<0.0040
Fluorene	MG/KG	3000		108		**0.0080 J**	<0.0040	**0.0340 J**	<0.0040	<0.0040	<0.0040	<0.0180	**0.0070 J**	<0.0040	<0.0040
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8		**0.0090 J**	**0.0040 J**	**0.1400**	**0.0050 J**	**0.0050 J**	<0.0040	**0.1200**	**0.0240**	**0.0040 J**	<0.0040
Naphthalene	MG/KG	17		0.01		**0.2700**	**0.0050 J**	**0.1000**	**0.0080 J**	**0.1000**	<0.0040	**0.1000**	**0.0420**	**0.0400**	<0.0040
Phenanthrene	MG/KG	23000				**0.1700**	**0.0160 J**	**0.2600**	**0.0070 J**	**0.0620**	<0.0040	**0.1400**	**0.0350**	**0.0130 J**	<0.0040
Pyrene	MG/KG	2300		260		**0.0340**	**0.0080 J**	**0.1500**	<0.0040	**0.0130 J**	<0.0040	**0.2200**	**0.0390**	**0.0120 J**	**0.0050 J**
Inorganics															
Antimony	MG/KG	47	5.4	7.0		**0.351**	<0.0766	**0.403**	<0.0819	**0.490**	<0.0856	**0.313**	**0.366**	**0.191 J**	<0.0828
Arsenic	MG/KG	3.0	5.8	0.03		**10.2**	**4.27**	**7.67**	**5.31**	**6.90**	**3.80**	**4.90**	**6.46**	**4.84**	**4.15**
Barium	MG/KG	22000	1640	3200		**72.6**	**118**	**164**	**148**	**67.1**	**240**	**177**	**185**	**53.9**	**82.7**
Beryllium	MG/KG	230	64	380		**0.500 J**	**0.905**	**0.376 J**	**1.35**	**0.583**	**1.95**	**1.70**	**1.10**	**0.215 J**	**1.10**
Cadmium	MG/KG	98	7.6	13.8		<0.0368	**0.0905 J**	**0.0556 J**	<0.0410	**0.0403 J**	<0.0428	**0.186 J**	<0.0406	<0.0350	<0.0414
Chromium	MG/KG	180000	3600000			**5.25 K**	**16.7 K**	**6.72 K**	**22.0 K**	**3.79 K**	**32.9 K**	**47.6 K**	**20.2 K**	**2.34 K**	**17.9 K**
Cobalt	MG/KG	35		5.4		**1.95**	**12.7**	**2.51**	**11.5**	**1.91**	**7.82**	**2.73**	**9.50**	**1.59**	**7.13**
Copper	MG/KG	4700	920	560		**24.7**	**16.3**	**63.7**	**15.5**	**35.0**	**13.0**	**19.9**	**21.2**	**13.9**	**14.1**
Lead	MG/KG	800	280			**15.4**	**14.8**	**39.0**	**36.6**	**21.7**	**26.5**	**91.6**	**30.1**	**2.67**	**15.8**
Mercury	MG/KG	35	2.0			**0.326**	<0.0114	**0.247**	**0.0500 J**	**0.183**	**0.0428 J**	**0.0357 J**	**0.805**	<0.0110	**0.0196 J**
Nickel	MG/KG	2200		520		**5.39**	**18.8**	**5.77**	**21.4**	**5.67**	**25.9**	**12.5**	**18.2**	**5.41**	**17.7**
Selenium	MG/KG	580	5.2	10.4		**1.25**	**0.359 J**	**1.21**	**0.560**	**0.740**	**0.785**	**1.45**	**0.385 J**	**1.96**	**0.421 J**
Silver	MG/KG	580		16		<0.156	<0.163	**0.204 J**	<0.174	<0.153	<0.182	<0.152	<0.172	<0.149	<0.176
Thallium	MG/KG	1.2	2.8	0.28		**0.102 J**	**0.176**	**0.0702 J**	**0.244**	**0.0866 J**	**0.443**	**0.0461 J**	**0.233**	**0.0671 J**	**0.204**
Tin	MG/KG	70000		60000		**2.14 B**	**2.20 B**	**2.84 B**	**2.34 B**	**2.30 B**	**2.74 B**	**2.02 B**	**2.54 B**	**1.79 B**	**2.14 B**
Vanadium	MG/KG	580		1720		**7.10**	**25.9**	**6.25**	**31.3**	**6.25**	**46.8**	**75.9**	**26.8**	**2.85**	**23.4**
Zinc	MG/KG	35000		7400		**8.69**	**63.3**	**24.0**	**103**	**10.9**	**110**	**55.4**	**83.5**	**15.1**	**58.6**
Miscellaneous															
Percent Moisture	%					**12.0**	**14.7**	**10.1**	**21.0**	**9.2**	**24.4**	**7.7**	**21.1**	**9.4**	**21.1**

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-5}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and Ind Soil SL

B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower

Table 5.4
Summary of Historical Fill 95% UTLs
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	Units	No. of Samples	No. of Detects	Minimum Detect	Maximum Detect	Mean Detect	Std Dev	Distribution	95%UTL (a)
Semi-Volatile Organic Compounds									
1-METHYLNAPHTHALENE	MG/KG	20	14	5.00E-03	3.50E-01	7.35E-02	1.01E-01	Nonparametric	3.50E-01
2-METHYLNAPHTHALENE	MG/KG	20	16	5.00E-03	4.70E-01	8.12E-02	1.29E-01	Nonparametric	4.70E-01
ACENAPHTHENE	MG/KG	20	6	4.00E-03	3.40E-02	9.00E-03	1.23E-02	Nonparametric	3.40E-02
ACENAPHTHYLENE	MG/KG	20	10	6.00E-03	3.10E-01	5.42E-02	9.32E-02	Nonparametric	3.10E-01
ANTHRACENE	MG/KG	20	9	4.00E-03	4.40E-01	6.48E-02	1.42E-01	Nonparametric	4.40E-01
BENZO(A)ANTHRACENE	MG/KG	20	16	4.00E-03	8.90E-01	1.00E-01	2.28E-01	Nonparametric	8.90E-01
BENZO(B)FLUORANTHENE	MG/KG	20	17	5.00E-03	1.60E+00	1.68E-01	3.94E-01	Nonparametric	1.60E+00
BENZO(G,H,I)PERYLENE	MG/KG	20	17	5.00E-03	6.10E-01	8.24E-02	1.58E-01	Nonparametric	6.10E-01
BENZO(K)FLUORANTHENE	MG/KG	20	11	4.00E-03	6.40E-01	9.95E-02	1.91E-01	Nonparametric	6.40E-01
BENZO[A]PYRENE	MG/KG	20	14	4.00E-03	6.90E-01	1.02E-01	1.95E-01	Nonparametric	6.90E-01
CHRYSENE	MG/KG	20	19	4.00E-03	1.50E+00	1.31E-01	3.43E-01	Nonparametric	1.50E+00
DIBENZ(A,H)ANTHRACENE	MG/KG	20	9	4.00E-03	2.00E-01	4.64E-02	6.38E-02	Nonparametric	2.00E-01
FLUORANTHENE	MG/KG	20	18	4.00E-03	1.90E+00	1.71E-01	4.53E-01	Nonparametric	1.90E+00
FLUORENE	MG/KG	20	5	7.00E-03	8.50E-02	2.84E-02	3.36E-02	Nonparametric	8.50E-02
INDENO (1,2,3-CD) PYRENE	MG/KG	20	13	4.00E-03	5.70E-01	8.70E-02	1.61E-01	Nonparametric	5.70E-01
NAPHTHALENE	MG/KG	20	18	5.00E-03	1.20E+00	1.17E-01	2.78E-01	Nonparametric	1.20E+00
PHENANTHRENE	MG/KG	20	18	6.00E-03	8.70E-01	1.12E-01	2.06E-01	Nonparametric	8.70E-01
PYRENE	MG/KG	20	18	4.00E-03	1.50E+00	1.43E-01	3.61E-01	Nonparametric	1.50E+00
Dioxin/Furans									
TEQ of 2,3,7,8-TCDD (b)	NG/KG	20	20	2.46E-03	2.92E-01	8.81E-02	7.91E-02	Lognormal	8.09E-01
Inorganics									
ANTIMONY	MG/KG	20	11	1.22E-01	1.76E+00	6.11E-01	4.96E-01	Approx Normal	1.43E+00
ARSENIC	MG/KG	20	20	3.80E+00	2.31E+01	7.61E+00	5.01E+00	Approx Lognorma	2.20E+01
BARIUM	MG/KG	20	20	1.13E+01	2.40E+02	1.14E+02	6.17E+01	Normal	2.62E+02
BERYLLIUM	MG/KG	20	20	1.37E-01	1.95E+00	9.08E-01	5.52E-01	Normal	2.23E+00
CADMIUM	MG/KG	20	9	4.03E-02	1.06E+00	2.25E-01	3.24E-01	Lognormal	1.37E+00
CHROMIUM	MG/KG	20	20	2.34E+00	4.76E+01	1.61E+01	1.16E+01	Normal	4.40E+01
COBALT	MG/KG	20	20	1.54E+00	1.36E+01	6.29E+00	4.30E+00	Approx Gamma	2.23E+01
COPPER	MG/KG	20	20	5.45E+00	7.72E+01	2.41E+01	1.88E+01	Lognormal	8.86E+01
LEAD	MG/KG	20	20	2.67E+00	9.40E+01	2.96E+01	2.39E+01	Gamma	1.06E+02
MERCURY	MG/KG	20	17	1.60E-02	4.14E+00	4.01E-01	9.93E-01	Nonparametric	4.14E+00
NICKEL	MG/KG	20	20	5.39E+00	2.59E+01	1.39E+01	7.02E+00	Nonparametric	2.59E+01
SELENIUM	MG/KG	20	19	3.29E-01	1.96E+00	9.65E-01	5.24E-01	Normal	2.19E+00
SILVER	MG/KG	20	3	2.04E-01	5.84E-01	3.73E-01	1.93E-01	-	-
THALLIUM	MG/KG	20	19	4.61E-02	4.43E-01	1.74E-01	1.02E-01	Normal	4.09E-01
TIN	MG/KG	*Not calculated - all B qualified*							
VANADIUM	MG/KG	20	20	2.85E+00	7.59E+01	2.25E+01	1.88E+01	Approx Normal	6.74E+01
ZINC	MG/KG	20	20	6.45E+00	1.10E+02	5.27E+01	3.37E+01	Approx Normal	1.33E+02

(a) 95% UTL w 95% coverage. ProUCL outputs provided in Appendix I.
(b) Total TEQ calculated with B-qualified data excluded.

B - detected in associated laboratory or field blank

Table 5.5
Historical Fill Outlier Analysis
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

	Outlier Tests for Selected Uncensored Variables
User Selected Options	
Date/Time of Computation	11/3/2014 9:33:44 PM
From File	historicfill(1)_e.xls
Full Precision	OFF

Dixon's Outlier Test for ARSENIC
Number of Observations = 10
10% critical value: 0.409
5% critical value: 0.477
1% critical value: 0.597
1. Observation Value 7.2 is a Potential Outlier (Upper Tail)?
Test Statistic: 0.202
For 10% significance level, 7.2 is not an outlier.
For 5% significance level, 7.2 is not an outlier.
For 1% significance level, 7.2 is not an outlier.
2. Observation Value 3.8 is a Potential Outlier (Lower Tail)?
Test Statistic: 0.047
For 10% significance level, 3.8 is not an outlier.
For 5% significance level, 3.8 is not an outlier.
For 1% significance level, 3.8 is not an outlier.
Dixon's Outlier Test for BARIUM
Number of Observations = 10
10% critical value: 0.409
5% critical value: 0.477
1% critical value: 0.597
1. Observation Value 240 is a Potential Outlier (Upper Tail)?
Test Statistic: 0.350
For 10% significance level, 240 is not an outlier.

Table 5.5
Historical Fill Outlier Analysis
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

For 5% significance level, 240 is not an outlier.					
For 1% significance level, 240 is not an outlier.					
2. Observation Value 26.3 is a Potential Outlier (Lower Tail)?					
Test Statistic: 0.355					
For 10% significance level, 26.3 is not an outlier.					
For 5% significance level, 26.3 is not an outlier.					
For 1% significance level, 26.3 is not an outlier.					
Dixon's Outlier Test for BERYLLIUM					
Number of Observations = 10					
10% critical value: 0.409					
5% critical value: 0.477					
1% critical value: 0.597					
1. Observation Value 1.95 is a Potential Outlier (Upper Tail)?					
Test Statistic: 0.297					
For 10% significance level, 1.95 is not an outlier.					
For 5% significance level, 1.95 is not an outlier.					
For 1% significance level, 1.95 is not an outlier.					
2. Observation Value 0.137 is a Potential Outlier (Lower Tail)?					
Test Statistic: 0.511					
For 10% significance level, 0.137 is an outlier.					
For 5% significance level, 0.137 is an outlier.					
For 1% significance level, 0.137 is not an outlier.					
Dixon's Outlier Test for CHROMIUM					
Number of Observations = 10					
10% critical value: 0.409					
5% critical value: 0.477					
1% critical value: 0.597					

Table 5.5
Historical Fill Outlier Analysis
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

1. Observation Value 32.9 is a Potential Outlier (Upper Tail)?					
Test Statistic: 0.327					
For 10% significance level, 32.9 is not an outlier.					
For 5% significance level, 32.9 is not an outlier.					
For 1% significance level, 32.9 is not an outlier.					
2. Observation Value 6.25 is a Potential Outlier (Lower Tail)?					
Test Statistic: 0.489					
For 10% significance level, 6.25 is an outlier.					
For 5% significance level, 6.25 is an outlier.					
For 1% significance level, 6.25 is not an outlier.					
Dixon's Outlier Test for COBALT					
Number of Observations = 10					
10% critical value: 0.409					
5% critical value: 0.477					
1% critical value: 0.597					
1. Observation Value 13.3 is a Potential Outlier (Upper Tail)?					
Test Statistic: 0.097					
For 10% significance level, 13.3 is not an outlier.					
For 5% significance level, 13.3 is not an outlier.					
For 1% significance level, 13.3 is not an outlier.					
2. Observation Value 2.54 is a Potential Outlier (Lower Tail)?					
Test Statistic: 0.452					
For 10% significance level, 2.54 is an outlier.					
For 5% significance level, 2.54 is not an outlier.					
For 1% significance level, 2.54 is not an outlier.					
Dixon's Outlier Test for COPPER					

Table 5.5
Historical Fill Outlier Analysis
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Number of Observations = 10					
10% critical value: 0.409					
5% critical value: 0.477					
1% critical value: 0.597					
1. Observation Value 21.2 is a Potential Outlier (Upper Tail)?					
Test Statistic: 0.521					
For 10% significance level, 21.2 is an outlier.					
For 5% significance level, 21.2 is an outlier.					
For 1% significance level, 21.2 is not an outlier.					
2. Observation Value 5.45 is a Potential Outlier (Lower Tail)?					
Test Statistic: 0.585					
For 10% significance level, 5.45 is an outlier.					
For 5% significance level, 5.45 is an outlier.					
For 1% significance level, 5.45 is not an outlier.					
Dixon's Outlier Test for LEAD					
Number of Observations = 10					
10% critical value: 0.409					
5% critical value: 0.477					
1% critical value: 0.597					
1. Observation Value 36.6 is a Potential Outlier (Upper Tail)?					
Test Statistic: 0.298					
For 10% significance level, 36.6 is not an outlier.					
For 5% significance level, 36.6 is not an outlier.					
For 1% significance level, 36.6 is not an outlier.					
2. Observation Value 5.82 is a Potential Outlier (Lower Tail)?					
Test Statistic: 0.370					
For 10% significance level, 5.82 is not an outlier.					
For 5% significance level, 5.82 is not an outlier.					

Table 5.5
Historical Fill Outlier Analysis
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

For 1% significance level, 5.82 is not an outlier.					
Dixon's Outlier Test for NICKEL					
Number of Observations = 10					
10% critical value: 0.409					
5% critical value: 0.477					
1% critical value: 0.597					
1. Observation Value 25.9 is a Potential Outlier (Upper Tail)?					
Test Statistic: 0.432					
For 10% significance level, 25.9 is an outlier.					
For 5% significance level, 25.9 is not an outlier.					
For 1% significance level, 25.9 is not an outlier.					
2. Observation Value 7.35 is a Potential Outlier (Lower Tail)?					
Test Statistic: 0.661					
For 10% significance level, 7.35 is an outlier.					
For 5% significance level, 7.35 is an outlier.					
For 1% significance level, 7.35 is an outlier.					
Dixon's Outlier Test for THALLIUM					
Number of Observations = 10					
10% critical value: 0.409					
5% critical value: 0.477					
1% critical value: 0.597					
1. Observation Value 0.443 is a Potential Outlier (Upper Tail)?					
Test Statistic: 0.491					
For 10% significance level, 0.443 is an outlier.					
For 5% significance level, 0.443 is an outlier.					
For 1% significance level, 0.443 is not an outlier.					
2. Observation Value 0.0758 is a Potential Outlier (Lower Tail)?					

Table 5.5
Historical Fill Outlier Analysis
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Test Statistic: 0.424					
For 10% significance level, 0.0758 is an outlier.					
For 5% significance level, 0.0758 is not an outlier.					
For 1% significance level, 0.0758 is not an outlier.					
Dixon's Outlier Test for VANADIUM					
Number of Observations = 10					
10% critical value: 0.409					
5% critical value: 0.477					
1% critical value: 0.597					
1. Observation Value 46.8 is a Potential Outlier (Upper Tail)?					
Test Statistic: 0.132					
For 10% significance level, 46.8 is not an outlier.					
For 5% significance level, 46.8 is not an outlier.					
For 1% significance level, 46.8 is not an outlier.					
2. Observation Value 6.44 is a Potential Outlier (Lower Tail)?					
Test Statistic: 0.455					
For 10% significance level, 6.44 is an outlier.					
For 5% significance level, 6.44 is not an outlier.					
For 1% significance level, 6.44 is not an outlier.					
Dixon's Outlier Test for ZINC					
Number of Observations = 10					
10% critical value: 0.409					
5% critical value: 0.477					
1% critical value: 0.597					
1. Observation Value 110 is a Potential Outlier (Upper Tail)?					
Test Statistic: 0.136					

Table 5.5
Historical Fill Outlier Analysis
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

For 10% significance level, 110 is not an outlier.					
For 5% significance level, 110 is not an outlier.					
For 1% significance level, 110 is not an outlier.					
2. Observation Value 19.1 is a Potential Outlier (Lower Tail)?					
Test Statistic: 0.471					
For 10% significance level, 19.1 is an outlier.					
For 5% significance level, 19.1 is not an outlier.					
For 1% significance level, 19.1 is not an outlier.					

Table 5.6
RFI Soil Results - SWMU 54
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU54-1	SWMU54-1	SWMU54-1	SWMU54-1A	SWMU54-1A-1	SWMU54-1A-2
						Field Sample ID	28521099	28521100	28521101	P4S-0513-SWMU-054-1A-21-22	SS1113-SWMU54-1A-1-0.5	SS1113-SWMU54-1A-2-0.5
						Sample Name	BEL-S-SWMU54-1(0.5-1)	BEL-S-SWMU54-1(21-22)	BEL-S-SWMU54-1(31-32)			
						Date Sampled	11/07/2012	11/07/2012	11/07/2012	05/22/2013	11/18/2013	11/18/2013
						Start Depth - End Depth (ft)	0.5 - 1	21 - 22	31 - 32	21 - 22	0.5 - 1	0.5 - 1
						Sample Purpose	FS	FS	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Fill	Fill
Volatile Organic Compounds												
Acetone	MG/KG	67000		58			**0.016 J**	<0.0070	**0.017 J**	<0.0070		
Benzene	MG/KG	5.1	0.052	0.0046			<0.00060	<0.00050	<0.00060	<0.00050		
Carbon Disulfide	MG/KG	350		4.8			**0.003 J**	<0.0010	<0.0010	<0.0010		
Chloroform	MG/KG	1.4	0.44	0.00122			**0.001 J**	<0.0010	<0.0010	<0.0010		
Formaldehyde	MG/KG	73		0.00174						<1.5000		
Methyl Ethyl Ketone	MG/KG	19000		24			<0.0050	<0.0040	<0.0050	<0.0040		
Styrene	MG/KG	3500	2.2	26			<0.0010	<0.0010	<0.0010 UL	<0.0010		
Toluene	MG/KG	4700	13.8	15.2			<0.0010	<0.0010	<0.0010	<0.0010		
Xylenes	MG/KG	250	196	3.8			<0.0010	<0.0010	<0.0010	<0.0010		
Semi-Volatile Organic Compounds												
1-Methylnaphthalene	MG/KG	73		0.116	0.35						**0.085 J**	**0.08**
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.24**	<0.0040	**0.009 J**	<0.0040	**0.096**	**0.098**
Acenaphthene	MG/KG	4500		110	0.034		**0.015 J**	<0.0040	<0.0050	<0.0040	<0.0180	<0.0040
Acenaphthylene	MG/KG	4500			0.31		**0.58**	**0.008 J**	<0.0050	<0.0040	**0.23**	**0.19**
Acetophenone	MG/KG	12000		11.6			**0.082**	<0.0210	<0.0240	<0.0210		
Anthracene	MG/KG	23000		1160	0.44		**0.37**	**0.008 J**	**0.007 J**	<0.0040	**0.16**	**0.14**
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**1.8**	**0.006 J**	**0.009 J**	<0.0040	**0.63**	**0.23**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**2.4**	**0.009 J**	**0.015 J**	**0.009 J**	**1**	**0.42**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**1.3**	<0.0040	**0.010 J**	<0.0040	**0.54**	**0.28**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.77**	<0.0040	<0.0050	**0.005 J**	**0.38**	**0.18**
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**1.7**	<0.0040	<0.0050	<0.0040	**0.74**	**0.29**
Chrysene	MG/KG	290		24	1.5		**1.5**	**0.006 J**	**0.014 J**	**0.009 J**	**0.62**	**0.26**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.48**	<0.0040	<0.0050	<0.0040	**0.16**	**0.087**
Dibenzofuran	MG/KG	100		3			**0.087**	<0.0210	<0.0240	<0.0210		
Fluoranthene	MG/KG	3000		1780	1.9		**2**	**0.011 J**	**0.015 J**	<0.0040	**0.57**	**0.28**
Fluorene	MG/KG	3000		108	0.085		**0.08**	<0.0040	**0.005 J**	<0.0040	**0.031 J**	<0.0040
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**1.1**	<0.0040	**0.005 J**	<0.0040	**0.48**	**0.24**
Naphthalene	MG/KG	17		0.0108	1.2		**1.2**	**0.005 J**	**0.010 J**	<0.0040	**0.26**	**0.21**
N-Nitrosodiphenylamine	MG/KG	470		1.32			<0.0180	<0.0210	<0.0240	<0.0210		
Phenanthrene	MG/KG	23000			0.87		**0.56**	**0.011 J**	**0.022 J**	**0.007 J**	**0.19**	**0.24**
Pyrene	MG/KG	2300		260	1.5		**1.9**	**0.008 J**	**0.014 J**	<0.0040	**0.56**	**0.24**
Inorganics												
Antimony	MG/KG	47	5.4	7	1.4		**4.67**	**0.121 J**	**0.15 J**			
Arsenic	MG/KG	3	5.8	0.03	22		**13.1**	**7.03**	**5.36**			
Barium	MG/KG	22000	1640	3200	262		**171**	**157**	**146**			
Beryllium	MG/KG	230	64	380	2.2		**0.789**	**1.12**	**1.17**			
Cadmium	MG/KG	98	7.6	13.8	1.4		**1.3**	**0.38 J**	**0.407 J**			
Chromium	MG/KG	180000	3600000		44		**61**	**20.7**	**19.9**			
Cobalt	MG/KG	35		5.4	22		**10.8**	**13**	**12.9**			
Copper	MG/KG	4700	920	560	89		**105**	**17.3**	**17.5**			
Lead	MG/KG	800	280		106		**272**	**18.7**	**21.7**			
Mercury	MG/KG	35	2		4.1		**2.17**	**0.0331 J**	**0.0288 J**			
Nickel	MG/KG	2200		520	26		**29.2**	**24.3**	**23.7**			
Selenium	MG/KG	580	5.2	10.4	2.2		**0.8**	**0.102 J**	**0.422 J**			
Silver	MG/KG	580		16	Not Calculated		**0.636 B**	**0.199 B**	<0.192			
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.167**	**0.236**	**0.284**			
Tin	MG/KG	70000		60000	Not Calculated		**4.19 B**	**2.77 B**	**4.01 B**			
Vanadium	MG/KG	580		1720	67		**15**	**27.1**	**27.6**			
Zinc	MG/KG	35000		7400	133		**162**	**77.6**	**79.5**			
Miscellaneous												
Total Organic Carbon	MG/KG									**4110**		
Ammonia	MG/KG						<55.8	**32.1 J**		**149**		
Percent Moisture	%						**8.6**	**20**	**29.2**	**20 J**	**6.6 J**	**8.6 J**

Table 5.6
RFI Soil Results - SWMU 54
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historic Fill 95%UTL (3)	Location ID	SWMU54-1A-3	SWMU54-1A-3	SWMU54-2	SWMU54-2	SWMU54-2	SWMU54-2
						Field Sample ID	SS1113-SWMU54-1A-3-0.5	SS1113-SWMU54-1A-3-0.5-D	28600375	28600376	P4S-0513-SWMU-054-2-20-21	P4S-0513-SWMU-054-2-36-37
						Sample Name			BEL-S-SWMU54-2(3-4)	BEL-S-SWMU54-2(20-21)		
						Date Sampled	11/18/2013	11/18/2013	11/28/2012	11/28/2012	05/22/2013	05/22/2013
						Start Depth - End Depth (ft)	0.5 - 1	0.5 - 1	3-4	20 - 21	20 - 21	36 - 37
						Sample Purpose	FS	DUP	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds												
Acetone	MG/KG	67000		58					**0.034**	**0.009 J**	**0.008 J**	**0.078**
Benzene	MG/KG	5.1	0.052	0.0046					**0.001 J**	<0.00050	<0.00050	<0.00060
Carbon Disulfide	MG/KG	350		4.8					**0.003 J**	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	1.4	0.44	0.00122					<0.0010	<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG	73		0.00174							**2.5 J**	**31**
Methyl Ethyl Ketone	MG/KG	19000		24					<0.0040	<0.0040	<0.0040	**0.018**
Styrene	MG/KG	3500	2.2	26					**0.003 J**	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	4700	13.8	15.2					**0.002 J**	<0.0010	**0.001 J**	<0.0010
Xylenes	MG/KG	250	196	3.8					**0.019**	<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds												
1-Methylnaphthalene	MG/KG	73		0.116	0.35		**0.22**	**0.13**				
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.3**	**0.16**	**15**	<0.0040	<0.0040	**0.023**
Acenaphthene	MG/KG	4500		110	0.034		**0.042 J**	<0.0040	**30**	<0.0040	<0.0040	<0.0040
Acenaphthylene	MG/KG	4500			0.31		**0.69 J**	**0.66**	**3.5**	**0.008 J**	<0.0040	<0.0040
Acetophenone	MG/KG	12000		11.6					**0.24 J**	<0.0210	<0.0210	<0.0220
Anthracene	MG/KG	23000		1160	0.44		**0.78**	**0.49**	**25**	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**3.4 J**	**1.7 J**	**15**	<0.0040	**0.006 J**	**0.012 J**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**4.3 J**	**1.9 J**	**11**	**0.006 J**	**0.013 J**	**0.061**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**2.3 J**	**1.0 J**	**5.8**	<0.0040	**0.006 J**	**0.029**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**2.2 J**	**0.69 J**	**4.2**	<0.0040	<0.0040	**0.012 J**
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**3.9 J**	**1.5 J**	**10**	<0.0040	**0.007 J**	**0.018 J**
Chrysene	MG/KG	290		24	1.5		**3.4 J**	**1.4 J**	**15**	**0.006 J**	**0.012 J**	**0.041**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.85 J**	**0.30 J**	**1.7**	<0.0040	<0.0040	**0.01 J**
Dibenzofuran	MG/KG	100		3					**9.6**	<0.0210	<0.0210	<0.0220
Fluoranthene	MG/KG	3000		1780	1.9		**4.0 J**	**2.3 J**	**31**	<0.0040	**0.012 J**	**0.009 J**
Fluorene	MG/KG	3000		108	0.085		**0.13**	**0.12**	**36**	<0.0040	<0.0040	**0.005 J**
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**2.1 J**	**0.87 J**	**4.5**	<0.0040	<0.0040	**0.013 J**
Naphthalene	MG/KG	17		0.0108	1.2		**1.1 J**	**0.39 J**	**4.2**	<0.0040	<0.0040	**0.015 J**
N-Nitrosodiphenylamine	MG/KG	470		1.32					**4.7**	<0.0210	<0.0210	<0.0220
Phenanthrene	MG/KG	23000			0.87		**1.6 J**	**1**	**120**	**0.013 J**	**0.015 J**	**0.05**
Pyrene	MG/KG	2300		260	1.5		**3.4 J**	**2.2**	**45**	**0.006 J**	**0.012 J**	**0.015 J**
Inorganics												
Antimony	MG/KG	47	5.4	7	1.4				**23.9**	**0.170 J**		
Arsenic	MG/KG	3	5.8	0.03	22				**9.33**	**7.62**		
Barium	MG/KG	22000	1640	3200	262				**284**	**127**		
Beryllium	MG/KG	230	64	380	2.2				**1.26**	**1.15**		
Cadmium	MG/KG	98	7.6	13.8	1.4				<0.0404	<0.0404		
Chromium	MG/KG	180000	3600000		44				**41.5 K**	**20.4 K**		
Cobalt	MG/KG	35		5.4	22				**11.1**	**13**		
Copper	MG/KG	4700	920	560	89				**40.1**	**17.2**		
Lead	MG/KG	800	280		106				**505**	**17**		
Mercury	MG/KG	35	2		4.1				**0.189**	**0.0355 J**		
Nickel	MG/KG	2200		520	26				**23.8**	**19.7**		
Selenium	MG/KG	580	5.2	10.4	2.2				**1.49**	**0.209 J**		
Silver	MG/KG	580		16	Not Calculated				<0.171	<0.172		
Thallium	MG/KG	1.2	2.8	0.28	0.41				**0.232**	**0.199**		
Tin	MG/KG	70000		60000	Not Calculated				**2.85 B**	**2.50 B**		
Vanadium	MG/KG	580		1720	67				**30**	**30.8**		
Zinc	MG/KG	35000		7400	133				**100**	**66.2**		
Miscellaneous												
Total Organic Carbon	MG/KG										**2940**	**18600**
Ammonia	MG/KG								**40.9 J**	**186**	<21.7	**63.7 J**
Percent Moisture	%						**15.1 J**	**14.1 J**	**18.3**	**19.2**	**21.8 J**	**25.2 J**

Table 5.6
RFI Soil Results - SWMU 54
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historic Fill 95%UTL (3)								
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	SWMU54-2-1	SWMU54-2-1	SWMU54-2-2	SWMU54-2-2	SWMU54-2-3	SWMU54-2-3
						Field Sample ID	SS1113-SWMU54-2-1-0.5	SS1113-SWMU54-2-1-3	SS1113-SWMU54-2-2-0.5	SS1113-SWMU54-2-2-3	SS1113-SWMU54-2-3-0.5	SS1113-SWMU54-2-3-8
						Sample Name						
						Date Sampled	11/18/2013	11/18/2013	11/18/2013	11/18/2013	11/18/2013	11/18/2013
						Start Depth - End Depth (ft)	0.5 - 1	3-4	0.5 - 1	3-4	0.5 - 1	8-9
						Sample Purpose	FS	FS	FS	FS	FS	FS
						Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill
Volatile Organic Compounds												
Acetone	MG/KG	67000		58								
Benzene	MG/KG	5.1	0.052	0.0046								
Carbon Disulfide	MG/KG	350		4.8								
Chloroform	MG/KG	1.4	0.44	0.00122								
Formaldehyde	MG/KG	73		0.00174								
Methyl Ethyl Ketone	MG/KG	19000		24								
Styrene	MG/KG	3500	2.2	26								
Toluene	MG/KG	4700	13.8	15.2								
Xylenes	MG/KG	250	196	3.8								
Semi-Volatile Organic Compounds												
1-Methylnaphthalene	MG/KG	73		0.116	0.35		**0.19**	**0.22**	**2.4**	**0.13**	**0.14**	**0.039**
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.24**	**0.27**	**3.7**	**0.19**	**0.19**	**0.055**
Acenaphthene	MG/KG	4500		110	0.034		**0.042 J**	<0.0040	**1.5**	**0.14**	**0.083 J**	**0.021**
Acenaphthylene	MG/KG	4500			0.31		**0.95**	**0.094**	**78**	**0.28**	**1.7**	**0.24**
Acetophenone	MG/KG	12000		11.6								
Anthracene	MG/KG	23000		1160	0.44		**1.4**	**0.095**	**110**	**0.41**	**1.6**	**0.43**
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**3.3**	**0.18**	**300**	**0.9**	**1.3**	**0.64**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**4**	**0.25**	**290**	**0.87**	**0.81**	**0.54**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**2.3**	**0.14**	**160**	**0.37**	**2.3**	**0.26**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**1.4**	**0.082**	**140**	**0.29**	**0.77**	**0.24**
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**2.9**	**0.17**	**250**	**0.59**	**1.9**	**0.5**
Chrysene	MG/KG	290		24	1.5		**3.3**	**0.24**	**260**	**0.76**	**1.3**	**0.57**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.59**	**0.031**	**45**	**0.12**	**0.47**	**0.079**
Dibenzofuran	MG/KG	100		3								
Fluoranthene	MG/KG	3000		1780	1.9		**6.6**	**0.31**	**680**	**0.92**	**1.7**	**1.2**
Fluorene	MG/KG	3000		108	0.085		**0.33**	<0.0040	**33**	**0.31**	<0.0210	**0.22**
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**1.9**	**0.1**	**140**	**0.31**	**1.5**	**0.22**
Naphthalene	MG/KG	17		0.0108	1.2		**1.8**	**0.19**	**11**	**0.13**	**0.17**	**0.072**
N-Nitrosodiphenylamine	MG/KG	470		1.32								
Phenanthrene	MG/KG	23000			0.87		**3.5**	**0.67**	**330**	**2**	**1.2**	**1.2**
Pyrene	MG/KG	2300		260	1.5		**5.6**	**0.28**	**550**	**1**	**1.9**	**1**
Inorganics												
Antimony	MG/KG	47	5.4	7	1.4							
Arsenic	MG/KG	3	5.8	0.03	22							
Barium	MG/KG	22000	1640	3200	262							
Beryllium	MG/KG	230	64	380	2.2							
Cadmium	MG/KG	98	7.6	13.8	1.4							
Chromium	MG/KG	180000	3600000		44							
Cobalt	MG/KG	35		5.4	22							
Copper	MG/KG	4700	920	560	89							
Lead	MG/KG	800	280		106							
Mercury	MG/KG	35	2		4.1							
Nickel	MG/KG	2200		520	26							
Selenium	MG/KG	580	5.2	10.4	2.2							
Silver	MG/KG	580		16	Not Calculated							
Thallium	MG/KG	1.2	2.8	0.28	0.41							
Tin	MG/KG	70000		60000	Not Calculated							
Vanadium	MG/KG	580		1720	67							
Zinc	MG/KG	35000		7400	133							
Miscellaneous												
Total Organic Carbon	MG/KG											
Ammonia	MG/KG											
Percent Moisture	%						**15.5 J**	**19.3 J**	**13.9 J**	**19.6 J**	**19.0 J**	**17.9 J**

Table 5.6
RFI Soil Results - SWMU 54
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Footnotes:
1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone samples
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the EPA Industrial Soil SL and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UL-Not detected; reporting limit is expected to be higher

Table 5.7
RFI Groundwater Results - SWMU 54
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	SWMU54-2
				EPA SL Tap Water	Federal MCL	Field Sample ID	P4S-0513-SWMU-054-2-36-37G
						Date Sampled	05/22/2013
						Sample Purpose	FS
Volatile Organic Compounds							
Acetone	67-64-1	N	UG/L	1400			**9 J**
Formaldehyde	50-00-0	N	UG/L	0.43			**100**
Methyl Ethyl Ketone	78-93-3	N	UG/L	560			**4 J**
Toluene	108-88-3	N	UG/L	110	1000		**2 J**
Semi-Volatile Organic Compounds							
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.034			**0.1 J**
Benzyl Alcohol	100-51-6	N	UG/L	200			**7 J**
Dissolved Gasses							
Ethane	74-84-0	N	UG/L				**2.5 J**
Methane	74-82-8	N	UG/L				**6400**
Other							
Ammonia	7664-41-7	N	UG/L				**3100**
Total Organic Carbon	C012	N	UG/L				**4400**

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
J-Analyte present; reported value may not be accurate or precise

Table 5.8
SWMU 54 Soil Vapor Results (Hits Only)
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analytes (1)	CAS No.	Units	Location ID	SWMU54-2
			Field Sample ID	P4SV0513-SWMU-54-2-20-21
			Sample Name	
			Date Sampled	05/25/2013
			Sample Purpose	FS
			Start - End Depth	20 - 21
Volatile Organic Compounds				
1,2,4-Trimethylbenzene	95-63-6	UG/M3		**180**
1,3,5-Trimethylbenzene	108-67-8	UG/M3		**36**
1,4-Dichlorobenzene	106-46-7	UG/M3		**2.2**
2-Propanol	67-63-0	UG/M3		**6.7**
4-Ethyltoluene	622-96-8	UG/M3		**83**
Acetone	67-64-1	UG/M3		**75**
Benzene	71-43-2	UG/M3		**0.84**
Carbon Disulfide	75-15-0	UG/M3		**1.2**
Cumene	98-82-8	UG/M3		**1.4**
Dichlorodifluoromethane	75-71-8	UG/M3		**2.7**
Ethanol	64-17-5	UG/M3		**34**
Ethylbenzene	100-41-4	UG/M3		**11**
Heptane	142-82-5	UG/M3		**1**
Hexane	110-54-3	UG/M3		**2.6**
Meta- And Para-Xylene	EVS0253	UG/M3		**50**
Methyl Bromide	74-83-9	UG/M3		**1.6**
Methyl Ethyl Ketone	78-93-3	UG/M3		**27**
Methylene Chloride	75-09-2	UG/M3		**5.2**
N-Propylbenzene	103-65-1	UG/M3		**10**
Ortho-Xylene	95-47-6	UG/M3		**28**
Tetrachloroethene	127-18-4	UG/M3		**2**
Toluene	108-88-3	UG/M3		**570**
Trichloroethene	79-01-6	UG/M3		**1.5**
Trichlorofluoromethane	75-69-4	UG/M3		**1.2**
Dissolved Gasses				
Methane	74-82-8	%		**0.0002**

Footnotes:
(1) Hits only table. See Appendix E for complete results.

Notes:
Bold = Detected Concentration
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise

Table 5.9
RFI Soil Results – AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	AOCA-1	AOCA-1	AOCA-3	AOCA-3	AOCA-3	AOCE-1
						Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321	28508382
						Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)	BEL-S-AOCE-1(0.5-1)
						Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012	11/09/2012
						Start Depth - End Depth (ft)	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21	0.5 - 1
						Sample Purpose	FS	FS	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	Fill
Volatile Organic Compounds												
1,1,1-Trichloroethane	MG/KG	3600	1.4	56			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.0050 J**
Acetone	MG/KG	67000		58			<0.0070	<0.0070	**0.0070 J**	**0.0130 J**	<0.0070	<0.0100
Benzene	MG/KG	5.1	0.052	0.0046			<0.00050	<0.00050	**0.0030 J**	<0.00050	<0.00050	<0.00070
Carbon Disulfide	MG/KG	350		4.8			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	25	15.6	0.034			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG	73		0.00174				<1.5000				
Methyl Ethyl Ketone	MG/KG	19000		24			<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0060
Styrene	MG/KG	3500	2.2	26			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	4700	13.8	15.2			<0.0010	<0.0010	**0.006**	<0.0010	<0.0010	**0.0020 J**
Xylenes	MG/KG	250	196	3.8			<0.0010	<0.0010	**0.0010 J**	<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds												
1-Methylnaphthalene	MG/KG	73		0.116	0.35							
2-Methylnaphthalene	MG/KG	300		3.8	0.47		<0.0040	<0.0040	**0.18**	<0.0040	<0.0040	**0.4**
4-Methylphenol (P-Cresol)	MG/KG	8200		30			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170
Acenaphthene	MG/KG	4500		110	0.034		<0.0040	<0.0040	<0.0180	<0.0040	<0.0040	**0.021**
Acenaphthylene	MG/KG	4500			0.31		<0.0040	<0.0040	**0.0680 J**	<0.0040	<0.0040	**2.1**
Acetophenone	MG/KG	12000		11.6			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	**0.038**
Anthracene	MG/KG	23000		1160	0.44		<0.0040	**0.0060 J**	**0.11**	<0.0040	<0.0040	**2.8**
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		<0.0040	**0.0100 J**	**0.18**	<0.0040	<0.0040	**13**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		<0.0040	**0.0120 J**	**0.3**	<0.0040	**0.0050 J**	**15**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		<0.0040	**0.0060 J**	**0.21**	<0.0040	<0.0040	**6**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		<0.0040	**0.0080 J**	**0.1**	<0.0040	<0.0040	**3.1**
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		<0.0040	**0.0090 J**	**0.22**	<0.0040	<0.0040	**8.7**
Chrysene	MG/KG	290		24	1.5		<0.0040	**0.0120 J**	**0.27**	<0.0040	<0.0040	**11**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.0040	<0.0040	**0.0420 J**	<0.0040	<0.0040	**2.4**
Dibenzofuran	MG/KG	100		3			<0.0210	<0.0210	**0.1200 J**	<0.0210	<0.0210	**0.35**
Fluoranthene	MG/KG	3000		1780	1.9		<0.0040	**0.0170 J**	**0.4**	<0.0040	<0.0040	**27**
Fluorene	MG/KG	3000		108	0.085		<0.0040	**0.0050 J**	**0.0470 J**	<0.0040	<0.0040	**0.24**
Hexachlorobenzene	MG/KG	0.96	0.26	0.0024			<0.0040	<0.0040	<0.0180	<0.0040	<0.0040	<0.0030
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		<0.0040	**0.0040 J**	**0.13**	<0.0040	<0.0040	**5.9**
Naphthalene	MG/KG	17		0.0108	1.2		<0.0040	**0.0090 J**	**0.14**	<0.0040	<0.0040	**0.6**
N-Nitrosodiphenylamine	MG/KG	470		1.32			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170
Phenanthrene	MG/KG	23000			0.87		<0.0040	**0.024**	**0.33**	**0.0050 J**	**0.0060 J**	**7**
Pyrene	MG/KG	2300		260	1.5		<0.0040	**0.0190 J**	**0.44**	<0.0040	<0.0040	**20**
Inorganics												
Antimony	MG/KG	47	5.4	7	1.4		<0.205		**0.162 J**	**0.135 J**	**0.156 J**	**9.05**
Arsenic	MG/KG	3	5.8	0.03	22		**9.98**		**4.51**	**8.9**	**7.32**	**15.9**
Barium	MG/KG	22000	1640	3200	262		**175**		**49.4**	**151**	**162**	**87.7**
Beryllium	MG/KG	230	64	380	2.2		**1.51**		**0.843**	**1.37**	**1.33**	**0.594**
Cadmium	MG/KG	98	7.6	13.8	1.4		<0.0411		<0.0353	<0.0419	<0.0403	**0.280 J**
Calcium	MG/KG											
Chromium	MG/KG	180000	3600000	80000000	44		**25.3 K**		**13.6 K**	**27.5 K**	**22.8 K**	**17.7 K**
Cobalt	MG/KG	35		5.4	22		**7.42**		**10.3**	**11.3**	**12.6**	**6.25**
Copper	MG/KG	4700	920	560	89		**21**		**19.6**	**17.9**	**21.2**	**94.9**
Iron	MG/KG	82000		7000								
Lead	MG/KG	800	280		106		**20.6**		**21**	**28.2**	**20**	**118**
Magnesium	MG/KG											
Mercury	MG/KG	35	2		4.1		**0.0398 J**		**0.13**	**0.0217 J**	**0.0465 J**	**0.561**
Nickel	MG/KG	2200		520	26		**25.3**		**17.6**	**21.9**	**24.2**	**12.5**
Potassium	MG/KG											
Selenium	MG/KG	580	5.2	10.4	2.2		**0.323 J**		**0.321 J**	**0.728**	**0.240 J**	**2.97**

Table 5.9
RFI Soil Results – AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	AOCA-1	AOCA-1	AOCA-3	AOCA-3	AOCA-3	AOCE-1
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321	28508382
						Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)	BEL-S-AOCE-1(0.5-1)
						Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012	11/09/2012
						Start Depth - End Depth (ft)	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21	0.5 - 1
						Sample Purpose	FS	FS	FS	FS	FS	FS
						Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	Fill
Silver	MG/KG	580		16	Not Calculated		<0.174		<0.150	<0.178	<0.171	**0.854**
Sodium	MG/KG											
Thallium	MG/KG	1.2	2.8	0.28	0.4		**0.313**		**0.135**	**0.231**	**0.265**	**0.13**
Tin	MG/KG	70000		60000	Not Calculated		**2.63 B**		**2.55 B**	**2.74 B**	**2.70 B**	**5.85 B**
Vanadium	MG/KG	580		1720	67		**34.6**		**17.2**	**35.2**	**33.5**	**10.9**
Zinc	MG/KG	35000		7400	133		**85.4**		**54.1**	**74.1**	**80.2**	**28.7**
Miscellaneous												
Percent Moisture	% BY WT.											
Specific Conductance	UMHOS/CM											
Percent Moisture	%						**21.2**	**19.9**	**7.5**	**21.2**	**19.8**	**4.4**
Ammonia	MG/KG							**140**				
Total Organic Carbon	MG/KG							**2600**				
Sulfide	MG/KG											
Ph	STD UNITS											
Diesel Range Organics	MG/KG											**140**
TPH-GRO C6-C10	MG/KG											<2.1
2,4,5-T	MG/KG											

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.9
RFI Soil Results – AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)									
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1
						Field Sample ID	28508383	28508384	28508385	28508386	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
						Sample Name	BEL-S-AOCE-1(0.5-1)-DUP	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)				
						Date Sampled	11/09/2012	11/09/2012	11/09/2012	11/09/2012	05/23/2013	05/22/2013	05/22/2013	05/23/2013
						Start Depth - End Depth (ft)	0.5 - 1	7 - 8	22 - 23	34 - 35	34 - 35	7 - 8	7 - 8	7 - 8
						Sample Purpose	DUP	FS	FS	FS	FS	FS	DUP	FS
						Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds														
1,1,1-Trichloroethane	MG/KG	3600	1.4	56			**0.0040 J**	<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Acetone	MG/KG	67000		58			<0.0100	<0.3600	<0.0070	**0.031**	**0.047**	**0.029**		
Benzene	MG/KG	5.1	0.052	0.0046			<0.00070	**0.0950 J**	<0.00050	<0.00060	<0.00060	<0.00050		
Carbon Disulfide	MG/KG	350		4.8			<0.0010	<0.0510	<0.0010	**0.0020 J**	<0.0010	<0.0010		
Ethylbenzene	MG/KG	25	15.6	0.034			<0.0010	**0.1300 J**	<0.0010	<0.0010	<0.0010	<0.0010		
Formaldehyde	MG/KG	73		0.00174							**46**	**19**	**23**	**20**
Methyl Ethyl Ketone	MG/KG	19000		24			<0.0060	<0.2000	<0.0040	<0.0050	**0.0080 J**	**0.0040 J**		
Styrene	MG/KG	3500	2.2	26			<0.0010	**0.0590 J**	<0.0010	<0.0010	<0.0010	<0.0010		
Toluene	MG/KG	4700	13.8	15.2			**0.0020 J**	**0.0830 J**	<0.0010	<0.0010	<0.0010	<0.0010		
Xylenes	MG/KG	250	196	3.8			**0.0020 J**	**1.3000 L**	<0.0010	<0.0010	<0.0010	<0.0010		
Semi-Volatile Organic Compounds														
1-Methylnaphthalene	MG/KG	73		0.116	0.35									
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.0670 J**	**5.7000 L**	**0.035**	**0.0190 J**	**0.0050 J**	**0.026**	**0.0110 J**	
4-Methylphenol (P-Cresol)	MG/KG	8200		30			<0.1100	<0.0210	<0.0210	<0.0240	<0.0220	**0.093**	<0.0210	
Acenaphthene	MG/KG	4500		110	0.034		<0.0210	**0.62**	**0.043**	<0.0050	<0.0040	<0.0040	**0.0040 J**	
Acenaphthylene	MG/KG	4500			0.31		**0.15**	**3.9000 J**	**0.098**	**0.0130 J**	<0.0040	<0.0040	<0.0040	
Acetophenone	MG/KG	12000		11.6			<0.1100	<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
Anthracene	MG/KG	23000		1160	0.44		**0.0430 J**	**4.4000 J**	**0.18**	**0.0190 J**	**0.0050 J**	<0.0040	**0.0070 J**	
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.26**	**3.8000 J**	**0.16**	**0.0230 J**	**0.0060 J**	<0.0040	**0.0070 J**	
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.25**	**3.1000 J**	**0.13**	**0.025**	**0.0070 J**	**0.0140 J**	**0.0080 J**	
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.0500 J**	**1.2000 L**	**0.064**	**0.0090 J**	<0.0040	**0.0110 J**	<0.0040	
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.11**	**0.9600 L**	**0.046**	<0.0050	<0.0040	**0.0060 J**	**0.0050 J**	
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.12**	**2.5000 L**	**0.11**	<0.0050	<0.0040	<0.0040	<0.0040	
Chrysene	MG/KG	290		24	1.5		**0.25**	**2.6000 J**	**0.11**	**0.026**	**0.0080 J**	**0.0170 J**	**0.0110 J**	
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.0270 J**	**0.49**	**0.022**	<0.0050	<0.0040	<0.0040	<0.0040	
Dibenzofuran	MG/KG	100		3			<0.1100	**3.9000 J**	**0.13**	<0.0240	<0.0220	<0.0220	<0.0210	
Fluoranthene	MG/KG	3000		1780	1.9		**0.47**	**7.9**	**0.35**	**0.046**	**0.0090 J**	**0.0190 J**	**0.0110 J**	
Fluorene	MG/KG	3000		108	0.085		<0.0210	**5.1000 J**	**0.16**	**0.0150 J**	**0.0050 J**	<0.0040	**0.0070 J**	
Hexachlorobenzene	MG/KG	0.96	0.26	0.0024			<0.0210	<0.0040	<0.0040	<0.0050	<0.0040	<0.0040	**0.0070 J**	
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.0500 J**	**1.1000 L**	**0.053**	**0.0100 J**	<0.0040	<0.0040	<0.0040	
Naphthalene	MG/KG	17		0.0108	1.2		**0.2**	**14**	**0.13**	**0.026**	**0.0080 J**	**0.03**	**0.0150 J**	
N-Nitrosodiphenylamine	MG/KG	470		1.32			<0.1100	<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
Phenanthrene	MG/KG	23000			0.87		**0.14**	**14**	**0.56**	**0.055**	**0.0190 J**	**0.026**	**0.021**	
Pyrene	MG/KG	2300		260	1.5		**0.4**	**6.3000 L**	**0.27**	**0.046**	**0.0090 J**	**0.0150 J**	**0.0120 J**	
Inorganics														
Antimony	MG/KG	47	5.4	7	1.4		**0.624**	<0.0840	**0.0913 J**	**0.113 J**				
Arsenic	MG/KG	3	5.8	0.03	22		**3.1**	**5.25**	**2.15**	**5.35**				
Barium	MG/KG	22000	1640	3200	262		**45.4**	**184**	**129**	**135**				
Beryllium	MG/KG	230	64	380	2.2		**0.389 J**	**1.37**	**0.93**	**1.11**				
Cadmium	MG/KG	98	7.6	13.8	1.4		**0.112 J**	**0.157 J**	**0.176 J**	**0.471 J**				
Calcium	MG/KG													**2650 J**
Chromium	MG/KG	180000	3600000	80000000	44		**2.83 K**	**26.2 K**	**20.8 K**	**19.0 K**				
Cobalt	MG/KG	35		5.4	22		**1.75**	**10.3**	**8.21**	**14.5**				
Copper	MG/KG	4700	920	560	89		**14.5**	**16.5**	**16.6**	**16**				
Iron	MG/KG	82000		7000										**22900 J**
Lead	MG/KG	800	280		106		**6.58**	**19**	**16.3**	**14.1**				
Magnesium	MG/KG													**2440**
Mercury	MG/KG	35	2		4.1		**0.314**	**0.0249 J**	**0.0377 J**	**0.0251 J**				
Nickel	MG/KG	2200		520	26		**3.26**	**25.4**	**17.7**	**25.5**				
Potassium	MG/KG													**1780 J**
Selenium	MG/KG	580	5.2	10.4	2.2		**0.819**	**0.623**	**0.947**	**0.518 J**				

Table 5.9
RFI Soil Results – AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1
						Field Sample ID	28508383	28508384	28508385	28508386	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
						Sample Name	BEL-S-AOCE-1(0.5-1)-DUP	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)				
						Date Sampled	11/09/2012	11/09/2012	11/09/2012	11/09/2012	05/23/2013	05/22/2013	05/22/2013	05/23/2013
						Start Depth - End Depth (ft)	0.5 - 1	7 - 8	22 - 23	34 - 35	34 - 35	7 - 8	7 - 8	7 - 8
						Sample Purpose	DUP	FS	FS	FS	FS	FS	DUP	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
Silver	MG/KG	580		16	Not Calculated		<0.148	<0.178	<0.171	<0.191				
Sodium	MG/KG													**467**
Thallium	MG/KG	1.2	2.8	0.28	0.4		**0.0830 J**	**0.254**	**0.211**	**0.204**				
Tin	MG/KG	70000		60000	Not Calculated		**2.12 B**	**2.91 B**	**2.70 B**	**2.85 B**				
Vanadium	MG/KG	580		1720	67		**3.57**	**35.9**	**27.4**	**27.3**				
Zinc	MG/KG	35000		7400	133		**8.63**	**84.5**	**60.9**	**78.9**				
Miscellaneous														
Percent Moisture	% BY WT.													
Specific Conductance	UMHOS/CM													**442**
Percent Moisture	%						**5.1**	**22.2**	**19.7**	**29.5**	**24.4**	**24.2 J**	**18.7 J**	**26.4**
Ammonia	MG/KG										**165**	**243.0000 J**	<62.7000	**178**
Total Organic Carbon	MG/KG										**6950**	**10000 J**	**4240 J**	
Sulfide	MG/KG													
Ph	STD UNITS													**5.46 J**
Diesel Range Organics	MG/KG						**140**	**120 J**	<4.9	**13 J**				
TPH-GRO C6-C10	MG/KG						<2.0	**2.3**	<0.2	<0.3				
2,4,5-T	MG/KG													

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where ap
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.9
RFI Soil Results – AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)									
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	AOCE-1-1	AOCE-1-1	AOCE-1-2	AOCE-1-2	AOCE-1-3	AOCE-1-3	AOCE-3	AOCE-3
						Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5	SS1113-AOCE-1-3-7	28598603	28598604
						Sample Name							BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)
						Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/28/2012	11/28/2012
						Start Depth - End Depth (ft)	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	8 - 9
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
						Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Native Soil
Volatile Organic Compounds														
1,1,1-Trichloroethane	MG/KG	3600	1.4	56									<0.0010	<0.0010
Acetone	MG/KG	67000		58									**0.049**	**0.0120 J**
Benzene	MG/KG	5.1	0.052	0.0046									**0.0100 J**	<0.00050
Carbon Disulfide	MG/KG	350		4.8									**0.0040 J**	<0.0010
Ethylbenzene	MG/KG	25	15.6	0.034									<0.0010 UJ	<0.0010
Formaldehyde	MG/KG	73		0.00174										
Methyl Ethyl Ketone	MG/KG	19000		24									**0.0060 J**	<0.0040
Styrene	MG/KG	3500	2.2	26									<0.0010 UJ	<0.0010
Toluene	MG/KG	4700	13.8	15.2									**0.0050 J**	<0.0010
Xylenes	MG/KG	250	196	3.8									<0.0010 UJ	<0.0010
Semi-Volatile Organic Compounds														
1-Methylnaphthalene	MG/KG	73		0.116	0.35		**4.2**	**250**	**1.6**	**3.3**	**0.2600 J**	**16**		
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**5.3**	**470**	**2.9**	**2.8**	<0.1800	**13**	**0.61**	<0.0040
4-Methylphenol (P-Cresol)	MG/KG	8200		30									<0.0950	<0.0210
Acenaphthene	MG/KG	4500		110	0.034		<0.1800	**69**	**0.2700 J**	**2.6**	<0.1800	**4.1**	**0.0380 J**	<0.0040
Acenaphthylene	MG/KG	4500			0.31		**0.2400 J**	**230**	**1.3**	**1.7**	<0.1800	**21**	**0.49**	<0.0040
Acetophenone	MG/KG	12000		11.6									**0.1700 J**	<0.0210
Anthracene	MG/KG	23000		1160	0.44		**0.3500 J**	**280**	**1.5**	**1.5**	**0.2100 J**	**34**	**0.46**	<0.0040
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.6500 J**	**220**	**1.1**	**0.032**	**0.3500 J**	**32**	**1.6**	<0.0040
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**1**	**170**	**1.1**	**0.04**	**0.99**	**19**	**2.4**	<0.0040
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.8700 J**	**72**	**0.6100 J**	**0.0210 J**	**0.7900 J**	**8.7**	**1.1**	<0.0040
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.4600 J**	**81**	**0.3900 J**	**0.0170 J**	**0.3100 J**	**9.8**	**0.98**	<0.0040
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.6500 J**	**170**	**0.91**	**0.024**	**0.5200 J**	**20**	**1.5**	<0.0040
Chrysene	MG/KG	290		24	1.5		**0.95**	**180**	**0.97**	**0.034**	**0.5600 J**	**25**	**1.9**	<0.0040
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.2800 J**	**25**	<0.1700	**0.0100 J**	**0.3900 J**	**2.9**	**0.36**	<0.0040
Dibenzofuran	MG/KG	100		3									**0.23**	<0.0210
Fluoranthene	MG/KG	3000		1780	1.9		**0.8400 J**	**460**	**2.4**	**0.75**	**0.5700 J**	**73**	**2.5**	<0.0040
Fluorene	MG/KG	3000		108	0.085		<0.1800	**320**	**1.7**	**3.1**	<0.1800	**35**	**0.0760 J**	<0.0040
Hexachlorobenzene	MG/KG	0.96	0.26	0.0024									<0.0190	<0.0040
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.7200 J**	**64**	**0.5200 J**	**0.0180 J**	**0.5400 J**	**7.8**	**1.1**	<0.0040
Naphthalene	MG/KG	17		0.0108	1.2		**3.8**	**1600**	**8.6**	**18**	**0.3300 J**	**28**	**0.81**	<0.0040
N-Nitrosodiphenylamine	MG/KG	470		1.32									<0.0950	<0.0210
Phenanthrene	MG/KG	23000			0.87		**2.6**	**910**	**5**	**8.3**	**0.5600 J**	**110**	**1.4**	**0.0080 J**
Pyrene	MG/KG	2300		260	1.5		**1**	**380**	**2.2**	**0.53**	**0.5100 J**	**51**	**2.3**	<0.0040
Inorganics														
Antimony	MG/KG	47	5.4	7	1.4								**6.39**	<0.206
Arsenic	MG/KG	3	5.8	0.03	22								**39.6**	**6.47**
Barium	MG/KG	22000	1640	3200	262								**486**	**171**
Beryllium	MG/KG	230	64	380	2.2								**0.93**	**1.31**
Cadmium	MG/KG	98	7.6	13.8	1.4								**0.451 J**	<0.0411
Calcium	MG/KG													
Chromium	MG/KG	180000	3600000	80000000	44								**38.0 K**	**24.0 K**
Cobalt	MG/KG	35		5.4	22								**21.3**	**11.6**
Copper	MG/KG	4700	920	560	89								**172**	**17**
Iron	MG/KG	82000		7000										
Lead	MG/KG	800	280		106								**160**	**19.8**
Magnesium	MG/KG													
Mercury	MG/KG	35	2		4.1								**1.61**	**0.0195 J**
Nickel	MG/KG	2200		520	26								**21.4**	**23.3**
Potassium	MG/KG													
Selenium	MG/KG	580	5.2	10.4	2.2								**1.12**	**0.528**

Table 5.9
RFI Soil Results – AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	AOCE-1-1	AOCE-1-1	AOCE-1-2	AOCE-1-2	AOCE-1-3	AOCE-1-3	AOCE-3	AOCE-3
						Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5	SS1113-AOCE-1-3-7	28598603	28598604
						Sample Name							BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)
						Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/28/2012	11/28/2012
						Start Depth - End Depth (ft)	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	8 - 9
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Native Soil
Silver	MG/KG	580		16	Not Calculated								**0.675**	<0.174
Sodium	MG/KG													
Thallium	MG/KG	1.2	2.8	0.28	0.4								**0.173**	**0.208 J**
Tin	MG/KG	70000		60000	Not Calculated								**6.53 B**	**2.56 B**
Vanadium	MG/KG	580		1720	67								**14.7**	**33.5**
Zinc	MG/KG	35000		7400	133								**163**	**77.2**
Miscellaneous														
Percent Moisture	% BY WT.													
Specific Conductance	UMHOS/CM													
Percent Moisture	%						**7.2 J**	**24.1 J**	**4.2 J**	**28.1 J**	**7.5 J**	**23.5 J**	**12.3**	**21.3**
Ammonia	MG/KG													
Total Organic Carbon	MG/KG													
Sulfide	MG/KG													
Ph	STD UNITS													
Diesel Range Organics	MG/KG												**390**	<5.0
TPH-GRO C6-C10	MG/KG												**6.7 J**	<0.3
2,4,5-T	MG/KG													

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where ap
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.9
RFI Soil Results – AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	AOCE-3	AOCE-3-1	AOCE-3-2	HP-5	SWMU191-1	SWMU191-1	SWMU191-1
						Field Sample ID	28598605	SS1113-AOCE-3-1-0.5	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103	P4S-0513-SWMU-191-1-21-22
						Sample Name	BEL-S-AOCE-3(4-5)			BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP	
						Date Sampled	11/28/2012	11/19/2013	11/19/2013	09/28/2000	11/28/2012	11/28/2012	05/24/2013
						Start Depth - End Depth (ft)	4 - 5	0.5 - 1	0.5 - 1	8 - 9.5	21 - 22	21 - 22	21 - 22
						Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Native Soil	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds													
1,1,1-Trichloroethane	MG/KG	3600	1.4	56			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Acetone	MG/KG	67000		58			<0.0060			<0.0090	<0.0070	<0.0070	<0.0080
Benzene	MG/KG	5.1	0.052	0.0046			<0.00050			<0.0010	<0.00050	<0.00050	<0.00050
Carbon Disulfide	MG/KG	350		4.8			<0.00090			**0.0040 J**	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	25	15.6	0.034			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG	73		0.00174									<1.6000
Methyl Ethyl Ketone	MG/KG	19000		24			<0.0040			<0.0050	<0.0040	<0.0040	<0.0040
Styrene	MG/KG	3500	2.2	26			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	4700	13.8	15.2			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	250	196	3.8			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds													
1-Methylnaphthalene	MG/KG	73		0.116	0.35			**0.77**	**0.29**				
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.0070 J**	**0.94**	**0.39**	<0.0430	<0.0040	<0.0040	<0.0040
4-Methylphenol (P-Cresol)	MG/KG	8200		30			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
Acenaphthene	MG/KG	4500		110	0.034		**0.0080 J**	**0.0630 J**	**0.0200 J**	<0.0430	<0.0040	<0.0040	<0.0040
Acenaphthylene	MG/KG	4500			0.31		<0.0040	**0.63**	**0.15**	<0.0430	<0.0040	<0.0040	<0.0040
Acetophenone	MG/KG	12000		11.6			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
Anthracene	MG/KG	23000		1160	0.44		**0.0090 J**	**0.55**	**0.17**	<0.0430	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		<0.0040	**0.99**	**0.29**	<0.0430	<0.0040	<0.0040	<0.0040
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		<0.0040	**1.7**	**0.61**	<0.0430	**0.0050 J**	**0.0040 J**	**0.0120 J**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		<0.0040	**0.76**	**0.25**	<0.0430	<0.0040	<0.0040	<0.0040
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		<0.0040	**0.6**	**0.17**	<0.0430	<0.0040	<0.0040	<0.0040
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		<0.0040	**0.85**	**0.3**	<0.0430	<0.0040	<0.0040	<0.0040
Chrysene	MG/KG	290		24	1.5		**0.0050 J**	**1.1**	**0.41**	<0.0430	**0.0050 J**	<0.0040	<0.0040
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.0040	**0.32**	**0.09**	<0.0430	<0.0040	<0.0040	<0.0040
Dibenzofuran	MG/KG	100		3			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
Fluoranthene	MG/KG	3000		1780	1.9		**0.0080 J**	**1.5**	**0.43**	<0.0430	<0.0040	<0.0040	<0.0040
Fluorene	MG/KG	3000		108	0.085		**0.0150 J**	**0.2**	**0.062**	<0.0430	<0.0040	<0.0040	<0.0040
Hexachlorobenzene	MG/KG	0.96	0.26	0.0024			<0.0040			<0.0430	<0.0040	<0.0040	<0.0040
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		<0.0040	**0.72**	**0.2**	<0.0430	<0.0040	<0.0040	<0.0040
Naphthalene	MG/KG	17		0.0108	1.2		**0.0050 J**	**0.81**	**0.32**	<0.0430	<0.0040	<0.0040	<0.0040
N-Nitrosodiphenylamine	MG/KG	470		1.32			**0.0390 J**			<0.0430	<0.0210	<0.0210	<0.0220
Phenanthrene	MG/KG	23000			0.87		**0.032**	**1.4**	**0.52**	<0.0430	**0.0060 J**	**0.0050 J**	**0.0070 J**
Pyrene	MG/KG	2300		260	1.5		**0.0130 J**	**1.3**	**0.44**	<0.0430	<0.0040	<0.0040	<0.0040
Inorganics													
Antimony	MG/KG	47	5.4	7	1.4		**0.150 J**			<2.8	**0.169 J**	**0.154 J**	
Arsenic	MG/KG	3	5.8	0.03	22		**5.38**	**18.3 J**	**14.0 J**	**3.5**	**7.18**	**10.4**	
Barium	MG/KG	22000	1640	3200	262		**185**			**201**	**138**	**124**	
Beryllium	MG/KG	230	64	380	2.2		**0.994**			**1.7**	**1.21**	**1.25**	
Cadmium	MG/KG	98	7.6	13.8	1.4		<0.0386			**0.35 J**	<0.0414	<0.0411	
Calcium	MG/KG												**1310**
Chromium	MG/KG	180000	3600000	80000000	44		**16.6 K**			**29.1**	**22.6 K**	**22.5 K**	
Cobalt	MG/KG	35		5.4	22		**10.6**			**10.2**	**10.5**	**10.4**	
Copper	MG/KG	4700	920	560	89		**15.9**			**15**	**20.2**	**21.9**	
Iron	MG/KG	82000		7000									**40900**
Lead	MG/KG	800	280		106		**13.4**			**19**	**20.1**	**23.9**	
Magnesium	MG/KG												**3300**
Mercury	MG/KG	35	2		4.1		**0.0262 J**			**0.016 J**	**0.0547 J**	**0.0391 J**	
Nickel	MG/KG	2200		520	26		**20.3**			**27.3**	**23**	**23.5**	
Potassium	MG/KG												**2340 J**
Selenium	MG/KG	580	5.2	10.4	2.2		**0.112 J**			**1.3**	**0.402 J**	**0.493 J**	

Table 5.9
RFI Soil Results – AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	AOCE-3	AOCE-3-1	AOCE-3-2	HP-5	SWMU191-1	SWMU191-1	SWMU191-1
						Field Sample ID	28598605	SS1113-AOCE-3-1-0.5	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103	P4S-0513-SWMU-191-1-21-22
						Sample Name	BEL-S-AOCE-3(4-5)			BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP	
						Date Sampled	11/28/2012	11/19/2013	11/19/2013	09/28/2000	11/28/2012	11/28/2012	05/24/2013
						Start Depth - End Depth (ft)	4 - 5	0.5 - 1	0.5 - 1	8 - 9.5	21 - 22	21 - 22	21 - 22
						Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Native Soil	Native Soil	Native Soil	Native Soil
Silver	MG/KG	580		16	Not Calculated		<0.164			<0.40	<0.176	<0.174	
Sodium	MG/KG												**86.0 J**
Thallium	MG/KG	1.2	2.8	0.28	0.4		**0.145**			<0.60	**0.286**	**0.296**	
Tin	MG/KG	70000		60000	Not Calculated		**2.53 B**			<4.8	**2.70 B**	**2.69 B**	
Vanadium	MG/KG	580		1720	67		**24**			**39.8**	**30.9**	**31.6**	
Zinc	MG/KG	35000		7400	133		**63**			**91.2**	**75**	**77.4**	
Miscellaneous													
Percent Moisture	% BY WT.									**23.7**			
Specific Conductance	UMHOS/CM												**56.1**
Percent Moisture	%						**16.2**	**13.0 J**	**17.4**		**21.1**	**21.3**	**24.8**
Ammonia	MG/KG												**249**
Total Organic Carbon	MG/KG												**4240**
Sulfide	MG/KG									**60**			
Ph	STD UNITS												**6.42 J**
Diesel Range Organics	MG/KG						**44**						
TPH-GRO C6-C10	MG/KG						**1.3**						
2,4,5-T	MG/KG									**0.000580 J**			

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where ap
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.9
RFI Soil Results – AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU191-1	SWMU191-2	SWMU191-2	SWMU191-2	SWMU191-2-1	SWMU191-2-2	SWMU191-2-3
						Field Sample ID	P4S-0513-SWMU-191-1-5-6	28532435	28532436	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5	SS1113-SWMU191-2-3-0.5
						Sample Name		BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)	BEL-S-SWMU191-2(21-22)			
						Date Sampled	05/24/2013	11/10/2012	11/10/2012	11/10/2012	11/19/2013	11/19/2013	11/19/2013
						Start Depth - End Depth (ft)	5 - 6	7 - 8	0.5 - 1	21 - 22	0.5 - 1	0.5 - 1	0.5 - 1
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Fill	Native Soil	Fill	Fill	Fill
Volatile Organic Compounds													
1,1,1-Trichloroethane	MG/KG	3600	1.4	56				<0.0010	<0.0010	<0.0010			
Acetone	MG/KG	67000		58				**0.0170 J**	**0.051**	**0.02**			
Benzene	MG/KG	5.1	0.052	0.0046				**0.0020 J**	**0.022**	**0.0040 J**			
Carbon Disulfide	MG/KG	350		4.8				<0.0010	**0.0030 J**	<0.0010			
Ethylbenzene	MG/KG	25	15.6	0.034				<0.0010	<0.0010	<0.0010			
Formaldehyde	MG/KG	73		0.00174			**46**						
Methyl Ethyl Ketone	MG/KG	19000		24				<0.0050	<0.0060	<0.0040			
Styrene	MG/KG	3500	2.2	26				<0.0010	<0.0010	<0.0010			
Toluene	MG/KG	4700	13.8	15.2				<0.0010	<0.0010	<0.0010			
Xylenes	MG/KG	250	196	3.8				<0.0010	<0.0010	<0.0010			
Semi-Volatile Organic Compounds													
1-Methylnaphthalene	MG/KG	73		0.116	0.35						<0.0390	**0.042**	**1.9**
2-Methylnaphthalene	MG/KG	300		3.8	0.47			<0.0090	**0.41**	<0.0040	<0.0390	**0.044**	**2.5**
4-Methylphenol (P-Cresol)	MG/KG	8200		30				<0.0450	<0.2000	<0.0210			
Acenaphthene	MG/KG	4500		110	0.034			<0.0090	**0.0590 J**	<0.0040	<0.0390	<0.0040	**0.29**
Acenaphthylene	MG/KG	4500			0.31			<0.0090	**0.38**	**0.0060 J**	**0.1000 J**	**0.0180 J**	**2.5**
Acetophenone	MG/KG	12000		11.6				<0.0450	<0.2000	<0.0210			
Anthracene	MG/KG	23000		1160	0.44			<0.0090	**0.57**	**0.0150 J**	**0.0570 J**	**0.0120 J**	**3.2**
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89			**0.0110 J**	**0.83**	**0.0120 J**	**0.0670 J**	**0.053**	**5.3**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6			**0.0120 J**	**2.8**	**0.022**	**0.1700 J**	**0.078**	**5.4**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61			**0.0120 J**	**0.85**	**0.0090 J**	**0.0880 J**	**0.042**	**3.1**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64			<0.0090	**0.99**	**0.0080 J**	<0.0390	**0.026**	**2.6**
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69			**0.0100 J**	**0.6**	**0.0100 J**	**0.0880 J**	**0.048**	**4.3**
Chrysene	MG/KG	290		24	1.5			**0.0110 J**	**1.5**	**0.0160 J**	**0.1400 J**	**0.054**	**4.6**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2			<0.0090	**0.33**	<0.0040	**0.0500 J**	**0.0120 J**	**0.92**
Dibenzofuran	MG/KG	100		3				<0.0450	**0.3600 J**	<0.0210			
Fluoranthene	MG/KG	3000		1780	1.9			**0.0170 J**	**2.3**	**0.03**	**0.0890 J**	**0.087**	**11**
Fluorene	MG/KG	3000		108	0.085			<0.0090	**0.0600 J**	**0.0110 J**	<0.0390	**0.0040 J**	**2.6**
Hexachlorobenzene	MG/KG	0.96	0.26	0.0024				<0.0090	<0.0390	<0.0040			
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57			<0.0090	**0.89**	**0.0050 J**	**0.0630 J**	**0.034**	**2.5**
Naphthalene	MG/KG	17		0.0108	1.2			<0.0090	**0.68**	**0.0080 J**	<0.0390	**0.053**	**2**
N-Nitrosodiphenylamine	MG/KG	470		1.32				<0.0450	<0.2000	<0.0210			
Phenanthrene	MG/KG	23000			0.87			**0.0270 J**	**1.7**	**0.057**	**0.0780 J**	**0.058**	**11**
Pyrene	MG/KG	2300		260	1.5			**0.0180 J**	**1.7**	**0.028**	**0.0800 J**	**0.079**	**8.1**
Inorganics													
Antimony	MG/KG	47	5.4	7	1.4			**0.218 J**	**10.6**	**0.231 J**			
Arsenic	MG/KG	3	5.8	0.03	22			**6.27**	**50.5**	**11.6**	**15.8 J**	**28.9 J**	**8.87 J**
Barium	MG/KG	22000	1640	3200	262			**276**	**139**	**166**			
Beryllium	MG/KG	230	64	380	2.2			**2.03**	**0.894**	**1.57**			
Cadmium	MG/KG	98	7.6	13.8	1.4			<0.0425	**0.777**	**0.126 J**			
Calcium	MG/KG						**1740**						
Chromium	MG/KG	180000	3600000	80000000	44			**35.5 K**	**22.7 K**	**29.4 K**			
Cobalt	MG/KG	35		5.4	22			**9.06**	**10.3**	**21.2**			
Copper	MG/KG	4700	920	560	89			**12.8**	**123**	**21.3**			
Iron	MG/KG	82000		7000			**20200**						
Lead	MG/KG	800	280		106			**37.8**	**114**	**27.8**			
Magnesium	MG/KG						**2710**						
Mercury	MG/KG	35	2		4.1			**0.0316 J**	**1.87**	**0.0340 J**			
Nickel	MG/KG	2200		520	26			**32.2**	**20.6**	**31**			
Potassium	MG/KG						**2200 J**						
Selenium	MG/KG	580	5.2	10.4	2.2			**0.627**	**1.29**	**0.995**			

Table 5.9
RFI Soil Results – AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU191-1	SWMU191-2	SWMU191-2	SWMU191-2	SWMU191-2-1	SWMU191-2-2	SWMU191-2-3
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0513-SWMU-191-1-5-6	28532435	28532436	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5	SS1113-SWMU191-2-3-0.5
						Sample Name		BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)	BEL-S-SWMU191-2(21-22)			
						Date Sampled	05/24/2013	11/10/2012	11/10/2012	11/10/2012	11/19/2013	11/19/2013	11/19/2013
						Start Depth - End Depth (ft)	5 - 6	7 - 8	0.5 - 1	21 - 22	0.5 - 1	0.5 - 1	0.5 - 1
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS
						Fill or Native Soil	Fill	Native Soil	Fill	Native Soil	Fill	Fill	Fill
Silver	MG/KG	580		16	Not Calculated			<0.180	**8.55**	<0.177			
Sodium	MG/KG						**265**						
Thallium	MG/KG	1.2	2.8	0.28	0.4			**0.621**	**0.293**	**0.335**			
Tin	MG/KG	70000		60000	Not Calculated			**3.36 B**	**6.13 B**	**3.25 B**			
Vanadium	MG/KG	580		1720	67			**49.6 K**	**15.5 K**	**41.7 K**			
Zinc	MG/KG	35000		7400	133			**104**	**140**	**93.6**			
Miscellaneous													
Percent Moisture	% BY WT.												
Specific Conductance	UMHOS/CM						**148**						
Percent Moisture	%						**28.7**	**25.3**	**15.2**	**22.3**	**13.7 J**	**22.5 J**	**11.6**
Ammonia	MG/KG						**567**						
Total Organic Carbon	MG/KG						**19200**						
Sulfide	MG/KG												
Ph	STD UNITS						**6.06 J**						
Diesel Range Organics	MG/KG												
TPH-GRO C6-C10	MG/KG												
2,4,5-T	MG/KG												

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where ap
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.10
RFI Soil Results – SWMU 191 and SWMU 192 Dioxins/Furans
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	Units	EPA SL Ind Soil	TEF	Location	SWMU191-1			SWMU191-1			SWMU191-2			SWMU191-2			SWMU191-2			SWMU192-10			SWMU192-10			SWMU192-10		
				Sample Date	11/28/2012			11/28/2012			11/10/2012			11/10/2012			11/10/2012			02/19/2013			02/19/2013			02/19/2013		
				Sample Depth	21-22 Feet			21-22 Feet			0.5-1 Feet			21-22 Feet			7-8 Feet			0.5-1 Feet			14-15 Feet			19-20 Feet		
				Sample Purpose	Regular Sample			Field Duplicate			Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample		
					Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ
1,2,3,4,6,7,8-HPCDD	NG/KG		0.01		14.4	B	1.44E-01	13.6	B	1.36E-01	332	B	3.32E+00	13.4	B	1.34E-01	19.6	B	1.96E-01	52	B	0.52	8.49	B	8.49E-02	20.3	B	2.03E-01
1,2,3,4,6,7,8-HPCDF	NG/KG		0.01		0.289	B	2.89E-03	0.333	J	3.33E-03	64.6	B	6.46E-01	0.204	B	2.04E-03	0.215	B	2.15E-03	32.2	B	0.322	0.46	J	4.60E-03	2.01	J	2.01E-02
1,2,3,4,7,8,9-HPCDF	NG/KG		0.01		0.01655	U	1.66E-04	0.032	B	3.20E-04	3.45	J	3.45E-02	0.00855	U	8.55E-05	0.0529	B	5.29E-04	2.04	J	0.0204	0.0827	B	8.27E-04	0.247	J	2.47E-03
1,2,3,4,7,8-HXCDD	NG/KG		0.1		0.235	J	2.35E-02	0.219	J	2.19E-02	2.12	J	2.12E-01	0.219	J	2.19E-02	0.237	J	2.37E-02	1.9	J	0.19	0.185	J	1.85E-02	0.318	J	3.18E-02
1,2,3,4,7,8-HXCDF	NG/KG		0.1		0.0583	B	5.83E-03	0.0834	B	8.34E-03	4.28	J	4.28E-01	0.0405	B	4.05E-03	0.0696	B	6.96E-03	12.3	B	1.23	0.248	J	2.48E-02	0.789	J	7.89E-02
1,2,3,6,7,8-HXCDD	NG/KG		0.1		0.483	J	4.83E-02	0.386	J	3.86E-02	7.49	B	7.49E-01	0.355	J	3.55E-02	0.325	J	3.25E-02	5.04	J	0.504	0.259	J	2.59E-02	0.648	J	6.48E-02
1,2,3,6,7,8-HXCDF	NG/KG		0.1		0.0878	B	8.78E-03	0.081	B	8.10E-03	3.12	J	3.12E-01	0.0799	B	7.99E-03	0.0271	B	2.71E-03	4.41	J	0.441	0.142	B	1.42E-02	0.259	J	2.59E-02
1,2,3,7,8,9-HXCDD	NG/KG		0.1		0.911	J	9.11E-02	0.829	J	8.29E-02	3.68	J	3.68E-01	0.65	J	6.50E-02	0.75	J	7.50E-02	3.87	J	0.387	0.324	J	3.24E-02	0.758	J	7.58E-02
1,2,3,7,8,9-HXCDF	NG/KG		0.1		0.282	J	2.82E-02	0.013	U	1.30E-03	0.973	J	9.73E-02	0.173	J	1.73E-02	0.0316	B	3.16E-03	1.08	J	0.108	0.0778	B	7.78E-03	0.0109	U	1.09E-03
1,2,3,7,8-PECDD	NG/KG		1		0.03935	U	3.94E-02	0.102	J	1.02E-01	1.61	J	1.61E+00	0.0659	B	6.59E-02	0.172	B	1.72E-01	2.12	J	2.12	0.278	J	2.78E-01	0.14	B	1.40E-01
1,2,3,7,8-PECDF	NG/KG		0.03		0.0753	J	2.26E-03	0.0796	J	2.39E-03	1.49	J	4.47E-02	0.0415	B	1.25E-03	0.122	B	3.66E-03	4.9	J	0.147	0.311	B	9.33E-03	0.307	B	9.21E-03
2,3,4,6,7,8-HXCDF	NG/KG		0.1		0.0488	B	4.88E-03	0.01235	U	1.24E-03	4.69	J	4.69E-01	0.0545	J	5.45E-03	0.0403	J	4.03E-03	1.61	J	0.161	0.0824	B	8.24E-03	0.0883	B	8.83E-03
2,3,4,7,8-PECDF	NG/KG		0.3		0.0404	B	1.21E-02	0.0273	B	8.19E-03	0.0325	U	9.75E-03	0.01	U	3.00E-03	0.12	J	3.60E-02	3.04	J	0.912	0.184	J	5.52E-02	0.01325	U	3.98E-03
2,3,7,8-TCDD	NG/KG	22	1		0.02925	U	2.93E-02	0.0282	U	2.82E-02	0.714	J	7.14E-01	0.0247	U	2.47E-02	0.02575	U	2.58E-02	0.328	J	0.328	0.0934	J	9.34E-02	0.0194	U	1.94E-02
2,3,7,8-TCDF	NG/KG		0.1		0.024	U	2.40E-03	0.02295	U	2.30E-03	1.85	C	1.85E-01	0.01725	U	1.73E-03	0.01815	U	1.82E-03	2.66	C	0.266	0.01515	U	1.52E-03	0.0705	J	7.05E-03
OCDD	NG/KG		0.0003		393	B	1.18E-01	441	B	1.32E-01	3050	B	9.15E-01	444	B	1.33E-01	979	B	2.94E-01	499	B	0.1497	396	B	1.19E-01	774	B	2.32E-01
OCDF	NG/KG		0.0003		0.26	B	7.80E-05	0.206	B	6.18E-05	284	B	8.52E-02	0.18	B	5.40E-05	0.178	B	5.34E-05	39.9	B	0.01197	0.482	B	1.45E-04	4.08	J	1.22E-03
				Total TEQ			**5.61E-01**			**5.77E-01**			**1.02E+01**			**5.23E-01**			**8.80E-01**			**7.81807**			**7.79E-01**			**9.26E-01**

TEF - Toxicity Equivalency Factor. TEF values are based on the 2005 WHO update of TEF values.
TEQ - Toxicity Equivalency. TEQ for each analyte is determined by mulitplying the TEF by the laboratory concentration.

Yellow shading indicates exceedances of EPA SL of 22 ng/kg
(based on SL for 2,3,7,8-TCDD using a HQ=0.1 and a excess cancer risk of $1x10^{-6}$)
Blue shading indicates exceedance of revised PRG of 660 ng/kg
(EPA Region III recommended RfD-based value)
The PRGs are generally recommended as a starting point for actions taken at RCRA corrective action sites.

Table 5.10
RFI Soil Results – SWMU 191 and SWMU 192 Dioxins/Furans
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	Units	EPA SL Ind Soil	TEF	Location	SWMU192-11			SWMU192-11			SWMU192-11			SWMU192-1			SWMU192-1			SWMU192-12			SWMU192-12			SWMU192-12		
				Sample Date	02/20/2013			02/20/2013			02/20/2013			02/22/2013			02/22/2013			02/19/2013			02/19/2013			02/19/2013		
				Sample Depth	0.5-1 Feet			14-15 Feet			19-20 Feet			0.5-1 Feet			21-22 Feet			0.5-1 Feet			14-15 Feet			9-10 Feet		
				Sample Purpose	Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample		
					Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ
1,2,3,4,6,7,8-HPCDD	NG/KG		0.01		4.88	J	4.88E-02	8.95	B	8.95E-02	11.6	B	1.16E-01	56.8	B	5.68E-01	1.05	J	1.05E-02	14.9	B	1.49E-01	11.6	B	1.16E-01	10.6	B	1.06E-01
1,2,3,4,6,7,8-HPCDF	NG/KG		0.01		1.18	J	1.18E-02	0.314	B	3.14E-03	0.343	B	3.43E-03	86.3	B	8.63E-01	0.387	B	3.87E-03	4.75	J	4.75E-02	0.112	B	1.12E-03	0.173	B	1.73E-03
1,2,3,4,7,8,9-HPCDF	NG/KG		0.01		0.0823	B	8.23E-04	0.0836	B	8.36E-04	0.0468	B	4.68E-04	2.83	J	2.83E-02	0.16	J	1.60E-03	0.351	J	3.51E-03	0.0188	B	1.88E-04	0.112	B	1.12E-03
1,2,3,4,7,8-HXCDD	NG/KG		0.1		0.129	B	1.29E-02	0.198	J	1.98E-02	0.214	J	2.14E-02	1.8	J	1.80E-01	0.168	J	1.68E-02	0.386	J	3.86E-02	0.222	J	2.22E-02	0.268	J	2.68E-02
1,2,3,4,7,8-HXCDF	NG/KG		0.1		0.303	J	3.03E-02	0.116	B	1.16E-02	0.059	B	5.90E-03	8.22	B	8.22E-01	0.205	J	2.05E-02	1.36	J	1.36E-01	0.0582	B	5.82E-03	0.0827	B	8.27E-03
1,2,3,6,7,8-HXCDD	NG/KG		0.1		0.205	J	2.05E-02	0.231	J	2.31E-02	0.276	J	2.76E-02	4.6	J	4.60E-01	0.161	J	1.61E-02	0.944	J	9.44E-02	0.227	J	2.27E-02	0.262	J	2.62E-02
1,2,3,6,7,8-HXCDF	NG/KG		0.1		0.101	B	1.01E-02	0.0766	B	7.66E-03	0.0476	B	4.76E-03	2.97	J	2.97E-01	0.167	J	1.67E-02	0.441	J	4.41E-02	0.0328	B	3.28E-03	0.0495	B	4.95E-03
1,2,3,7,8,9-HXCDD	NG/KG		0.1		0.207	J	2.07E-02	0.366	J	3.66E-02	0.464	J	4.64E-02	3.35	J	3.35E-01	0.192	J	1.92E-02	0.738	J	7.38E-02	0.434	J	4.34E-02	0.456	J	4.56E-02
1,2,3,7,8,9-HXCDF	NG/KG		0.1		0.0559	B	5.59E-03	0.179	J	1.79E-02	0.00745	U	7.45E-04	0.596	J	5.96E-02	0.272	J	2.72E-02	0.207	J	2.07E-02	0.249	J	2.49E-02	0.239	J	2.39E-02
1,2,3,7,8-PECDD	NG/KG		1		0.0913	B	9.13E-02	0.191	B	1.91E-01	0.0687	B	6.87E-02	1.72	J	1.72E+00	0.125	J	1.25E-01	0.351	J	3.51E-01	0.113	B	1.13E-01	0.154	B	1.54E-01
1,2,3,7,8-PECDF	NG/KG		0.03		0.152	B	4.56E-03	0.15	B	4.50E-03	0.0689	B	2.07E-03	2.49	J	7.47E-02	0.174	B	5.22E-03	0.471	J	1.41E-02	0.0805	B	2.42E-03	0.0984	B	2.95E-03
2,3,4,6,7,8-HXCDF	NG/KG		0.1		0.0987	J	9.87E-03	0.0673	B	6.73E-03	0.0404	B	4.04E-03	1.96	J	1.96E-01	0.184	J	1.84E-02	0.287	J	2.87E-02	0.0299	B	2.99E-03	0.0348	B	3.48E-03
2,3,4,7,8-PECDF	NG/KG		0.3		0.121	B	3.63E-02	0.098	B	2.94E-02	0.0495	B	1.49E-02	2.58	J	7.74E-01	0.139	B	4.17E-02	0.303	J	9.09E-02	0.0243	B	7.29E-03	0.0656	B	1.97E-02
2,3,7,8-TCDD	NG/KG	22	1		0.0147	U	1.47E-02	0.01895	U	1.90E-02	0.0354	B	3.54E-02	0.528	J	5.28E-01	0.01915	U	1.92E-02	0.0429	J	4.29E-02	0.039	J	3.90E-02	0.01935	U	1.94E-02
2,3,7,8-TCDF	NG/KG		0.1		0.0656	J	6.56E-03	0.01845	U	1.85E-03	0.01465	U	1.47E-03	2.03	C	2.03E-01	0.02405	U	2.41E-03	0.233	J	2.33E-02	0.017	U	1.70E-03	0.01745	U	1.75E-03
OCDD	NG/KG		0.0003		232	B	6.96E-02	312	B	9.36E-02	617	B	1.85E-01	269	B	8.07E-02	40.6	B	1.22E-02	160	B	4.80E-02	663	B	1.99E-01	501	B	1.50E-01
OCDF	NG/KG		0.0003		2.52	J	7.56E-04	0.617	J	1.85E-04	0.121	B	3.63E-05	420	B	1.26E-01	0.641	B	1.92E-04	6.18	J	1.85E-03	0.142	B	4.26E-05	0.312	B	9.36E-05
							3.95E-01			**5.56E-01**			**5.38E-01**			**7.32E+00**			**3.57E-01**			**1.21E+00**			**6.05E-01**			**5.96E-01**

TEF - Toxicity Equivalency Factor. TEF values are based on the 2005 WHO update of TEF values.
TEQ - Toxicity Equivalency. TEQ for each analyte is determined by mulitplying the TEF by the laboratory concentration.

Yellow shading indicates exceedances of EPA SL of 22 ng/kg
(based on SL for 2,3,7,8-TCDD using a HQ=0.1 and a excess cancer risk of 1x1
Blue shading indicates exceedance of revised PRG of 660 ng/kg
(EPA Region III recommended RfD-based value)
The PRGs are generally recommended as a starting point for actions taken at RCRA corrective action sites.

Table 5.10
RFI Soil Results – SWMU 191 and SWMU 192 Dioxins/Furans
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	Units	EPA SL Ind Soil	TEF	Location	SWMU192-13			SWMU192-13			SWMU192-2			SWMU192-2			SWMU192-3			SWMU192-3			SWMU192-4			SWMU192-4		
				Sample Date	02/20/2013			02/20/2013			02/22/2013			02/22/2013			02/21/2013			02/21/2013			02/21/2013			02/21/2013		
				Sample Depth	0.5-1 Feet			7-8 Feet			0.5-1 Feet			11-12 Feet			0.5-1 Feet			24-25 Feet			0.5-1 Feet			3-4 Feet		
				Sample Purpose	Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample		
					Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ
1,2,3,4,6,7,8-HPCDD	NG/KG		0.01		18.9	B	1.89E-01	100	B	1.00E+00	42.4	B	4.24E-01	4.14	J	4.14E-02	11.3	B	1.13E-01	1.01	J	1.01E-02	9.14	B	9.14E-02	23	B	2.30E-01
1,2,3,4,6,7,8-HPCDF	NG/KG		0.01		21.4	B	2.14E-01	97.3	B	9.73E-01	5910	BE	5.91E+01	0.555	J	5.55E-03	2.12	J	2.12E-02	0.483	J	4.83E-03	2.85	J	2.85E-02	16.6	B	1.66E-01
1,2,3,4,7,8,9-HPCDF	NG/KG		0.01		2.07	J	2.07E-02	6.52	B	6.52E-02	166	B	1.66E+00	0.0258	U	2.58E-04	0.254	J	2.54E-03	0.0431	B	4.31E-04	0.223	B	2.23E-03	1.07	J	1.07E-02
1,2,3,4,7,8-HXCDD	NG/KG		0.1		0.9	J	9.00E-02	3.09	J	3.09E-01	3.76	J	3.76E-01	0.0856	B	8.56E-03	0.374	J	3.74E-02	0.0845	B	8.45E-03	0.108	B	1.08E-02	0.548	J	5.48E-02
1,2,3,4,7,8-HXCDF	NG/KG		0.1		4.86	J	4.86E-01	44.4	B	4.44E+00	873	B	8.73E+01	0.179	B	1.79E-02	0.727	J	7.27E-02	0.254	J	2.54E-02	0.696	J	6.96E-02	4.04	J	4.04E-01
1,2,3,6,7,8-HXCDD	NG/KG		0.1		1.48	J	1.48E-01	8.44		8.44E-01	10.1		1.01E+00	0.121	J	1.21E-02	0.436	J	4.36E-02	0.113	J	1.13E-02	0.316	J	3.16E-02	1.49	J	1.49E-01
1,2,3,6,7,8-HXCDF	NG/KG		0.1		2.18	J	2.18E-01	10.6	B	1.06E+00	227	B	2.27E+01	0.0829	B	8.29E-03	0.528	J	5.28E-02	0.121	B	1.21E-02	0.219	J	2.19E-02	1.5	J	1.50E-01
1,2,3,7,8,9-HXCDD	NG/KG		0.1		1.46	J	1.46E-01	5.29	J	5.29E-01	5.69	B	5.69E-01	0.336	J	3.36E-02	0.476	J	4.76E-02	0.149	B	1.49E-02	0.257	J	2.57E-02	1.04	J	1.04E-01
1,2,3,7,8,9-HXCDF	NG/KG		0.1		0.862	J	8.62E-02	2.19	J	2.19E-01	28.5	B	2.85E+00	0.0842	B	8.42E-03	0.261	J	2.61E-02	0.0482	B	4.82E-03	0.0453	B	4.53E-03	0.723	J	7.23E-02
1,2,3,7,8-PECDD	NG/KG		1		1.34	J	1.34E+00	1.89	J	1.89E+00	7.34	B	7.34E+00	0.0465	B	4.65E-02	0.384	J	3.84E-01	0.108	B	1.08E-01	0.098	B	9.80E-02	0.597	J	5.97E-01
1,2,3,7,8-PECDF	NG/KG		0.03		2.69	J	8.07E-02	9.9	B	2.97E-01	56.9	B	1.71E+00	0.0819	B	2.46E-03	0.565	J	1.70E-02	0.188	B	5.64E-03	0.204	B	6.12E-03	1.13	J	3.39E-02
2,3,4,6,7,8-HXCDF	NG/KG		0.1		1.84	J	1.84E-01	3.2	J	3.20E-01	94.9	B	9.49E+00	0.0445	B	4.45E-03	0.353	J	3.53E-02	0.0872	B	8.72E-03	0.126	J	1.26E-02	0.714	J	7.14E-02
2,3,4,7,8-PECDF	NG/KG		0.3		2.26	J	6.78E-01	6.33	B	1.90E+00	92.9	B	2.79E+01	0.072	B	2.16E-02	0.629	J	1.89E-01	0.133	B	3.99E-02	0.204	B	6.12E-02	1.23	J	3.69E-01
2,3,7,8-TCDD	NG/KG	22	1		0.112	B	1.12E-01	0.412	J	4.12E-01	3.82	B	3.82E+00	0.01195	U	1.20E-02	0.186	J	1.86E-01	0.0465	B	4.65E-02	0.062	B	6.20E-02	0.0442	U	4.42E-02
2,3,7,8-TCDF	NG/KG		0.1		4.46	C	4.46E-01	4.02	C	4.02E-01	9.08	C	9.08E-01	0.01415	U	1.42E-03	0.559	J	5.59E-02	0.0483	J	4.83E-03	0.131	J	1.31E-02	0.724	J	7.24E-02
OCDD	NG/KG		0.0003		295	B	8.85E-02	510	B	1.53E-01	229	B	6.87E-02	212	B	6.36E-02	553	B	1.66E-01	30.8	B	9.24E-03	73.1	B	2.19E-02	157	B	4.71E-02
OCDF	NG/KG		0.0003		37.9	B	1.14E-02	86.1	B	2.58E-02	12000	BE	3.60E+00	0.73	J	2.19E-04	1.59	J	4.77E-04	0.358	B	1.07E-04	6.68	J	2.00E-03	36.5	B	1.10E-02
							4.54E+00			**1.48E+01**			**2.31E+02**			**2.88E-01**			**1.45E+00**			**3.15E-01**			**5.63E-01**			**2.59E+00**

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Yellow shading indicates exceedances of EPA SL of 22 ng/kg
(based on SL for 2,3,7,8-TCDD using a HQ=0.1 and a excess cancer risk of 1x1
Blue shading indicates exceedance of revised PRG of 660 ng/kg
(EPA Region III recommended RfD-based value)
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Table 5.10
RFI Soil Results – SWMU 191 and SWMU 192 Dioxins/Furans
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Analyte	Units	EPA SL Ind Soil	TEF	Location	SWMU192-5			SWMU192-5			SWMU192-6			SWMU192-6			SWMU192-6			SWMU192-7			SWMU192-7			SWMU192-8		
				Sample Date	02/20/2013			02/20/2013			02/21/2013			02/21/2013			02/21/2013			02/18/2013			02/18/2013			02/18/2013		
				Sample Depth	0.5-1 Feet			17-18 Feet			0.5-1 Feet			23-24 Feet			27-28 Feet			0.5-1 Feet			19-20 Feet			0.5-1 Feet		
				Sample Purpose	Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample		
					Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ
1,2,3,4,6,7,8-HPCDD	NG/KG		0.01		79.8	B	7.98E-01	13.1	B	1.31E-01	33.7	B	3.37E-01	55.8	B	5.58E-01	13.7	B	1.37E-01	81.8	B	8.18E-01	7.96	B	7.96E-02	6.23	B	6.23E-02
1,2,3,4,6,7,8-HPCDF	NG/KG		0.01		26.8	B	2.68E-01	0.827	J	8.27E-03	33.3	B	3.33E-01	30.8	B	3.08E-01	0.355	J	3.55E-03	170	B	1.70E+00	2.53	J	2.53E-02	3.74	J	3.74E-02
1,2,3,4,7,8,9-HPCDF	NG/KG		0.01		1.8	J	1.80E-02	0.145	B	1.45E-03	1.77	J	1.77E-02	3.66	J	3.66E-02	0.0469	B	4.69E-04	8.57	J	8.57E-02	0.238	J	2.38E-03	0.363	J	3.63E-03
1,2,3,4,7,8-HXCDD	NG/KG		0.1		1.74	J	1.74E-01	0.353	J	3.53E-02	0.836	J	8.36E-02	2.97	J	2.97E-01	0.222	J	2.22E-02	1.79	J	1.79E-01	0.257	J	2.57E-02	0.159	B	1.59E-02
1,2,3,4,7,8-HXCDF	NG/KG		0.1		4.38	J	4.38E-01	0.374	J	3.74E-02	9.27	B	9.27E-01	15.1	J	1.51E+00	0.0944	B	9.44E-03	45.2	J	4.52E+00	1.07	J	1.07E-01	0.853	J	8.53E-02
1,2,3,6,7,8-HXCDD	NG/KG		0.1		2.78	J	2.78E-01	0.583	J	5.83E-02	1.96	J	1.96E-01	8.25	J	8.25E-01	0.305	J	3.05E-02	4.42	J	4.42E-01	0.388	J	3.88E-02	0.374	J	3.74E-02
1,2,3,6,7,8-HXCDF	NG/KG		0.1		1.68	J	1.68E-01	0.196	J	1.96E-02	2.63	J	2.63E-01	4.68	J	4.68E-01	0.0822	B	8.22E-03	11.2	J	1.12E+00	0.463	J	4.63E-02	0.385	J	3.85E-02
1,2,3,7,8,9-HXCDD	NG/KG		0.1		2.4	J	2.40E-01	0.679	J	6.79E-02	1.11	J	1.11E-01	7.21	J	7.21E-01	0.498	J	4.98E-02	3.09	J	3.09E-01	0.383	J	3.83E-02	0.281	J	2.81E-02
1,2,3,7,8,9-HXCDF	NG/KG		0.1		0.533	J	5.33E-02	0.18	J	1.80E-02	0.591	J	5.91E-02	1.31	J	1.31E-01	0.01115	U	1.12E-03	3.31	J	3.31E-01	0.205	J	2.05E-02	0.207	J	2.07E-02
1,2,3,7,8-PECDD	NG/KG		1		0.723	J	7.23E-01	0.357	J	3.57E-01	0.462	J	4.62E-01	3.4	J	3.40E+00	0.15	B	1.50E-01	1.95	J	1.95E+00	0.185	B	1.85E-01	0.163	B	1.63E-01
1,2,3,7,8-PECDF	NG/KG		0.03		1.4	J	4.20E-02	0.299	B	8.97E-03	2.24	J	6.72E-02	6.91	J	2.07E-01	0.163	B	4.89E-03	8.58	J	2.57E-01	0.492	J	1.48E-02	0.411	B	1.23E-02
2,3,4,6,7,8-HXCDF	NG/KG		0.1		1.17	J	1.17E-01	0.118	J	1.18E-02	1.25	J	1.25E-01	2.52	J	2.52E-01	0.0715	B	7.15E-03	6.06	J	6.06E-01	0.245	J	2.45E-02	0.306	J	3.06E-02
2,3,4,7,8-PECDF	NG/KG		0.3		1.15	J	3.45E-01	0.224	B	6.72E-02	1.8	J	5.40E-01	4.59	J	1.38E+00	0.073	B	2.19E-02	7.95	J	2.39E+00	0.459	J	1.38E-01	0.223	J	6.69E-02
2,3,7,8-TCDD	NG/KG	22	1		0.03215	U	3.22E-02	0.0772	B	7.72E-02	0.0289	U	2.89E-02	0.44	J	4.40E-01	0.053	B	5.30E-02	0.1545	U	1.55E-01	0.0235	U	2.35E-02	0.0526	J	5.26E-02
2,3,7,8-TCDF	NG/KG		0.1		0.734	J	7.34E-02	0.2	J	2.00E-02	1.01	J	1.01E-01	5.59	C	5.59E-01	0.0224	U	2.24E-03	9.73	C	9.73E-01	0.343	J	3.43E-02	0.215	J	2.15E-02
OCDD	NG/KG		0.0003		871	B	2.61E-01	467	B	1.40E-01	376	B	1.13E-01	522	B	1.57E-01	716	B	2.15E-01	618	B	1.85E-01	277	B	8.31E-02	57.1	B	1.71E-02
OCDF	NG/KG		0.0003		84.7	B	2.54E-02	0.986	J	2.96E-04	55.5	B	1.67E-02	59.5	B	1.79E-02	0.22	B	6.60E-05	335	B	1.01E-01	2.4	J	7.20E-04	6.78	J	2.03E-03
							4.05E+00			**1.06E+00**			**3.78E+00**			**1.13E+01**			**7.16E-01**			**1.61E+01**			**8.87E-01**			**6.95E-01**

TEF - Toxicity Equivalency Factor. TEF values are based on the 2005 WHO update of TEF values.
TEQ - Toxicity Equivalency. TEQ for each analyte is determined by mulitplying the TEF by the laboratory concentration.

Yellow shading indicates exceedances of EPA SL of 22 ng/kg
(based on SL for 2,3,7,8-TCDD using a HQ=0.1 and a excess cancer risk of 1x1
Blue shading indicates exceedance of revised PRG of 660 ng/kg
(EPA Region III recommended RfD-based value)
The PRGs are generally recommended as a starting point for actions taken at RCRA corrective action sites.

Table 5.10
RFI Soil Results – SWMU 191 and SWMU 192 Dioxins/Furans
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	Units	EPA SL Ind Soil	TEF	Location	SWMU192-8			SWMU192-9			SWMU192-9			SWMU192-2-1			SWMU192-2-2			SWMU192-2-3			SWMU192-2-3		
				Sample Date	02/18/2013			02/19/2013			02/19/2013			12/10/2013			12/10/2013			12/10/2013			12/10/2013		
				Sample Depth	19-20 Feet			0.5-1 Feet			15-16 Feet			0.5-1			0.5-1			0.5-1			0.5-1		
				Sample Purpose	Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample			Regular Sample			Field Duplicate		
					Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ	Result		TEQ
1,2,3,4,6,7,8-HPCDD	NG/KG		0.01		5.94	J	5.94E-02	613	B	6.13E+00	14.4	B	1.44E-01	44.4		4.44E-01	35.2		3.52E-01	44.6		4.46E-01	47.1		4.71E-01
1,2,3,4,6,7,8-HPCDF	NG/KG		0.01		0.69	J	6.90E-03	140	B	1.40E+00	7.75	B	7.75E-02	10600		1.06E+02	1080		1.08E+01	2780	J	2.78E+01	8710	J	8.71E+01
1,2,3,4,7,8,9-HPCDF	NG/KG		0.01		0.0742	B	7.42E-04	4.71	J	4.71E-02	1.03	J	1.03E-02	264		2.64E+00	27.3		2.73E-01	85.3	J	8.53E-01	238	J	2.38E+00
1,2,3,4,7,8-HXCDD	NG/KG		0.1		0.127	B	1.27E-02	0.898	J	8.98E-02	0.33	J	3.30E-02	5.18	J	5.18E-01	1.1	J	1.10E-01	2.39	J	2.39E-01	4.63	J	4.63E-01
1,2,3,4,7,8-HXCDF	NG/KG		0.1		0.226	J	2.26E-02	2.78	J	2.78E-01	1.46	J	1.46E-01	1320		1.32E+02	121		1.21E+01	479	J	4.79E+01	1150	J	1.15E+02
1,2,3,6,7,8-HXCDD	NG/KG		0.1		0.204	J	2.04E-02	9.57	B	9.57E-01	0.505	J	5.05E-02	11.6		1.16E+00	2.72	J	2.72E-01	7.22		7.22E-01	11.9		1.19E+00
1,2,3,6,7,8-HXCDF	NG/KG		0.1		0.164	B	1.64E-02	1.31	J	1.31E-01	1.04	J	1.04E-01	356		3.56E+01	33.3		3.33E+00	154	J	1.54E+01	316	J	3.16E+01
1,2,3,7,8,9-HXCDD	NG/KG		0.1		0.752	J	7.52E-02	1.91	J	1.91E-01	0.516	J	5.16E-02	6.01		6.01E-01	1.89	J	1.89E-01	3.49	J	3.49E-01	6		6.00E-01
1,2,3,7,8,9-HXCDF	NG/KG		0.1		0.0529	B	5.29E-03	0.451	J	4.51E-02	0.524	J	5.24E-02	36.5		3.65E+00	0.094	U	9.40E-03	14.2	J	1.42E+00	33.5	J	3.35E+00
1,2,3,7,8-PECDD	NG/KG		1		0.02295	U	2.30E-02	0.31	J	3.10E-01	0.29	J	2.90E-01	9.95		9.95E+00	1.62	J	1.62E+00	4.53	J	4.53E+00	9.6		9.60E+00
1,2,3,7,8-PECDF	NG/KG		0.03		0.179	B	5.37E-03	0.865	J	2.60E-02	0.714	J	2.14E-02	79.9		2.40E+00	8.13		2.44E-01	33.3	J	9.99E-01	70	J	2.10E+00
2,3,4,6,7,8-HXCDF	NG/KG		0.1		0.117	J	1.17E-02	1.51	J	1.51E-01	0.788	J	7.88E-02	133		1.33E+01	13.6		1.36E+00	46.3	J	4.63E+00	113	J	1.13E+01
2,3,4,7,8-PECDF	NG/KG		0.3		0.167	J	5.01E-02	1.38	J	4.14E-01	0.618	J	1.85E-01	134		4.02E+01	12.2		3.66E+00	53.7	J	1.61E+01	114	J	3.42E+01
2,3,7,8-TCDD	NG/KG	22	1		0.0608	J	6.08E-02	0.156	J	1.56E-01	0.108	J	1.08E-01	5.81		5.81E+00	0.763	J	7.63E-01	2.45	J	2.45E+00	5.62	J	5.62E+00
2,3,7,8-TCDF	NG/KG		0.1		0.137	J	1.37E-02	0.587	J	5.87E-02	0.02835	U	2.84E-03	12.9		1.29E+00	1.93		1.93E-01	5.2	J	5.20E-01	12	J	1.20E+00
OCDD	NG/KG		0.0003		286	B	8.58E-02	4540	BE	1.36E+00	987	B	2.96E-01	169		5.07E-02	343		1.03E-01	243		7.29E-02	197		5.91E-02
OCDF	NG/KG		0.0003		0.965	J	2.90E-04	779	B	2.34E-01	15.3	B	4.59E-03	20700		6.21E+00	2240		6.72E-01	4830	J	1.45E+00	17200	J	5.16E+00
							4.70E-01			**1.20E+01**			**1.66E+00**			**3.62E+02**			**3.61E+01**			**1.26E+02**			**3.11E+02**

TEF - Toxicity Equivalency Factor. TEF values are based on the 2005 WHO update of TEF values.
TEQ - Toxicity Equivalency. TEQ for each analyte is determined by mulitplying the TEF by the laboratory concentration.

Yellow shading indicates exceedances of EPA SL of 22 ng/kg
(based on SL for 2,3,7,8-TCDD using a HQ=0.1 and a excess cancer risk of 1x1
Blue shading indicates exceedance of revised PRG of 660 ng/kg
(EPA Region III recommended RfD-based value)
The PRGs are generally recommended as a starting point for actions taken at RCRA corrective action sites.

Table 5.11
RFI Groundwater Results – AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	AOCE-1	AOCE-1	AOCE-3	AOCE-9-1	AOCE-9-2	AOCE-9-3	HP-5
			EPA SL Tap Water	Federal MCL	Field Sample ID	P4G0513-AOCE-1-34-35	P4G0513-AOCE-1-34-35-D	P4G-0513-AOCE-3-8-9	GW1113-AOCE-9-1	GW1113-AOCE-9-2	GW1113-AOCE-9-3	7652120
					Date Sampled	05/22/2013	05/22/2013	05/30/2013	11/18/2013	11/18/2013	11/19/2013	09/28/2000
					Sample Purpose	FS	DUP	FS	FS	FS	FS	FS
Volatile Organic Compounds												
Acetone	N	UG/L	1400			**8 J**	**9 J**	<6				<6
Benzene	N	UG/L	0.45	5		**1 J**	**1 J**	<0.5				<1
Formaldehyde	N	UG/L	0.43			**89**	**60**	**16000**	**60**	**91**	**320 J**	
Toluene	N	UG/L	110	1000		**1 J**	**1 J**	<0.7				<1
Xylenes	N	UG/L	19	10000		**2 J**	**0.9 J**	<0.8				<1
Semi-Volatile Organic Compounds												
2,4-Dimethylphenol	N	UG/L	36			**2**	**3**	<0.5				<1
2-Methylnaphthalene	N	UG/L	3.6			**23 J**	**32 J**	<0.1				<1
2-Methylphenol (O-Cresol)	N	UG/L	93			**1**	**2**	<0.5				<1
4-Methylphenol (P-Cresol)	N	UG/L	190			**0.7 J**	**1**	<0.5				<3
Acenaphthene	N	UG/L	53			**16 J**	**26 J**	<0.1				<1
Acenaphthylene	N	UG/L	53			**12 J**	**21 J**	<0.1				<1
Anthracene	N	UG/L	180			**19 J**	**38 J**	<0.1				<1
Benzo(A)Anthracene	N	UG/L	0.012			**12 J**	**27 J**	<0.1				<1
Benzo(B)Fluoranthene	N	UG/L	0.034			**9 J**	**19 J**	<0.1				<1
Benzo(G,H,I)Perylene	N	UG/L	12			**4 J**	**8 J**	<0.1				<1
Benzo(K)Fluoranthene	N	UG/L	0.34			**4 J**	**8 J**	<0.1				<1
Benzo[A]Pyrene	N	UG/L	0.0034	0.2		**9 J**	**19 J**	<0.1				<1
Chrysene	N	UG/L	3.4			**12 J**	**25 J**	<0.1				<1
Dibenz(A,H)Anthracene	N	UG/L	0.0034			**1 J**	**3 J**	<0.1				<1
Dibenzofuran	N	UG/L	0.79			**31 J**	**49 J**	<0.5				<1
Fluoranthene	N	UG/L	80			**31 J**	**65 J**	<0.1				<1
Fluorene	N	UG/L	29			**35 J**	**56 J**	<0.1				<1
Indeno (1,2,3-CD) Pyrene	N	UG/L	0.034			**3 J**	**7 J**	<0.1				<1
Naphthalene	N	UG/L	0.17			**140 J**	**200 J**	<0.1				<1
Phenanthrene	N	UG/L	180			**73 J**	**120 J**	<0.1				<1
Pyrene	N	UG/L	12			**26 J**	**54 J**	<0.1				<1
Herbicides/Pesticides												
beta-BHC	N	UG/L	0.025									<0.0020
delta-BHC	N	UG/L										<0.0057
Dieldrin	N	UG/L	0.0017									<0.0040
2,4,5-T	N	UG/L	16									<0.010
2,4-Dichlorophenoxyacetic Acid	N	UG/L	17	70								<0.10
Silvex	N	UG/L	11	50								<0.010
Metals												
Antimony	N	UG/L	0.78	6								**0.840000 J**
Antimony	Y	UG/L	0.78	6								
Arsenic	N	UG/L	0.052	10								**20.70000**
Arsenic	Y	UG/L	0.052	10								
Barium	N	UG/L	380	2000								**116.0000**
Barium	Y	UG/L	380	2000								
Beryllium	N	UG/L	2.5	4								<1.90000
Beryllium	Y	UG/L	2.5	4								
Cadmium	N	UG/L	0.92	5								<3.60000
Cadmium	Y	UG/L	0.92	5								

Table 5.11
RFI Groundwater Results – AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	AOCE-1	AOCE-1	AOCE-3	AOCE-9-1	AOCE-9-2	AOCE-9-3	HP-5
			EPA SL Tap Water	Federal MCL	Field Sample ID	P4G0513-AOCE-1-34-35	P4G0513-AOCE-1-34-35-D	P4G-0513-AOCE-3-8-9	GW1113-AOCE-9-1	GW1113-AOCE-9-2	GW1113-AOCE-9-3	7652120
					Date Sampled	05/22/2013	05/22/2013	05/30/2013	11/18/2013	11/18/2013	11/19/2013	09/28/2000
					Sample Purpose	FS	DUP	FS	FS	FS	FS	FS
Chromium	N	UG/L		100								<6.60000
Chromium	Y	UG/L		100								
Cobalt	N	UG/L	0.6									<7.10000
Cobalt	Y	UG/L	0.6									
Copper	N	UG/L	80	1300								**22.40000 J**
Copper	Y	UG/L	80	1300								
Lead	N	UG/L	15	15								**6.50000**
Lead	Y	UG/L	15	15								
Mercury	N	UG/L	0.063	2								<0.0480000
Mercury	Y	UG/L	0.063	2								
Nickel	N	UG/L	39									<8.40000
Nickel	Y	UG/L	39									
Selenium	N	UG/L	10	50								<1.30000
Selenium	Y	UG/L	10	50								
Thallium	N	UG/L	0.02	2								<0.200000
Thallium	Y	UG/L	0.02	2								
Vanadium	N	UG/L	8.6									<2.60000
Vanadium	Y	UG/L	8.6									
Zinc	N	UG/L	600									**62.70000 B**
Zinc	Y	UG/L	600									
Dissolved Gasses												
Ethane	N	UG/L				**1.5 J**	**1.3 J**	<1.0				
Methane	N	UG/L				**3300**	**2600**	**4800**				
Other												
Total Organic Carbon	N	UG/L				**2500**	**2400**	**22600**				
Ammonia	N	UG/L						**13400**				
Cyanide	N	UG/L	0.15	200								<4.00000

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
J-Analyte present; reported value may not be accurate or precise

Table 5.11
RFI Groundwater Results – AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	HP-5	HP-72	HP-72	HP-72	MW-72-SO	MW-72-SO	MW-72-SO	MW-72-SO
			EPA SL Tap Water	Federal MCL	Field Sample ID	7652359	7646111	7646167	7646351	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D	GWRFI-14-MW-72-SO-Z	GWRFI-14-MW-72-SO-Z-D
					Date Sampled	09/28/2000	09/28/2000	09/28/2000	09/28/2000	11/21/2014	11/21/2014	11/21/2014	11/21/2014
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	DUP
Volatile Organic Compounds													
Acetone	N	UG/L	1400				<6			<6	<6		
Benzene	N	UG/L	0.45	5			<1			<0.5	<0.5		
Formaldehyde	N	UG/L	0.43							**67 J**	**77 J**		
Toluene	N	UG/L	110	1000			<1			<0.5	<0.5		
Xylenes	N	UG/L	19	10000			<1			<0.5	<0.5		
Semi-Volatile Organic Compounds													
2,4-Dimethylphenol	N	UG/L	36					<1		<0.5	<0.5		
2-Methylnaphthalene	N	UG/L	3.6					<1		<0.1	<0.1		
2-Methylphenol (O-Cresol)	N	UG/L	93					<1		<0.5	<0.5		
4-Methylphenol (P-Cresol)	N	UG/L	190					<3		<0.5	<0.5		
Acenaphthene	N	UG/L	53					<1		<0.1	<0.1		
Acenaphthylene	N	UG/L	53					<1		<0.1	<0.1		
Anthracene	N	UG/L	180					<1		<0.1	<0.1		
Benzo(A)Anthracene	N	UG/L	0.012					<1		<0.1	<0.1		
Benzo(B)Fluoranthene	N	UG/L	0.034					<1		<0.1	<0.1		
Benzo(G,H,I)Perylene	N	UG/L	12					<1		<0.1	<0.1		
Benzo(K)Fluoranthene	N	UG/L	0.34					<1		<0.1	<0.1		
Benzo[A]Pyrene	N	UG/L	0.0034	0.2				<1		<0.1	<0.1		
Chrysene	N	UG/L	3.4					<1		<0.1	<0.1		
Dibenz(A,H)Anthracene	N	UG/L	0.0034					<1		<0.1	<0.1		
Dibenzofuran	N	UG/L	0.79					<1		<0.5	<0.5		
Fluoranthene	N	UG/L	80					<1		<0.1	<0.1		
Fluorene	N	UG/L	29					<1		<0.1	<0.1		
Indeno (1,2,3-CD) Pyrene	N	UG/L	0.034					<1		<0.1	<0.1		
Naphthalene	N	UG/L	0.17					<1		<0.1	<0.1		
Phenanthrene	N	UG/L	180					<1		<0.1	<0.1		
Pyrene	N	UG/L	12					<1		<0.1	<0.1		
Herbicides/Pesticides													
beta-BHC	N	UG/L	0.025					**0.0021 J**					
delta-BHC	N	UG/L						<0.0057					
Dieldrin	N	UG/L	0.0017					<0.0039					
2,4,5-T	N	UG/L	16					<0.0097					
2,4-Dichlorophenoxyacetic Acid	N	UG/L	17	70				<0.097					
Silvex	N	UG/L	11	50				<0.0097					
Metals													
Antimony	N	UG/L	0.78	6				**50.50000**		**10.20000**	**10.30000**		
Antimony	Y	UG/L	0.78	6		<0.760000			**50.20000**			**8.40000**	**7.80000**
Arsenic	N	UG/L	0.052	10				<1.20000		**1.70000 J**	**1.50000 J**		
Arsenic	Y	UG/L	0.052	10		**25.50000**			**2.30000 J**			<0.820000	**1.10000 J**
Barium	N	UG/L	380	2000				**94.80000 J**		**82.30000**	**84.50000**		
Barium	Y	UG/L	380	2000		**118.0000**			**90.90000 J**			**79.50000**	**90.80000**
Beryllium	N	UG/L	2.5	4				<1.90000		<0.670000	<0.670000		
Beryllium	Y	UG/L	2.5	4		<1.90000			<1.90000			<0.670000	<0.670000
Cadmium	N	UG/L	0.92	5				<3.60000		**0.470000 J**	**0.400000 J**		
Cadmium	Y	UG/L	0.92	5		<3.60000			<3.60000			<0.330000	<0.330000

Table 5.11
RFI Groundwater Results – AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	HP-5	HP-72	HP-72	HP-72	MW-72-SO	MW-72-SO	MW-72-SO	MW-72-SO
			EPA SL Tap Water	Federal MCL	Field Sample ID	7652359	7646111	7646167	7646351	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D	GWRFI-14-MW-72-SO-Z	GWRFI-14-MW-72-SO-Z-D
					Date Sampled	09/28/2000	09/28/2000	09/28/2000	09/28/2000	11/21/2014	11/21/2014	11/21/2014	11/21/2014
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	DUP
Chromium	N	UG/L		100				<6.60000		**1.50000 J**	<1.30000		
Chromium	Y	UG/L		100		<6.60000			<6.60000			<1.30000	<1.30000
Cobalt	N	UG/L	0.6					<7.10000		**3.30000 J**	**3.40000 J**		
Cobalt	Y	UG/L	0.6			<7.10000			<7.10000			**3.80000 J**	**5.00000 J**
Copper	N	UG/L	80	1300				**3.80000 J**		<2.80000	<2.80000		
Copper	Y	UG/L	80	1300		<2.70000			<2.70000			<2.80000	<2.80000
Lead	N	UG/L	15	15				**2.20000 J**		**0.250000 J**	**0.150000 J**		
Lead	Y	UG/L	15	15		<1.90000			<1.90000			<0.0820000	<0.0820000
Mercury	N	UG/L	0.063	2				**0.610000**		<0.0600000	<0.0600000		
Mercury	Y	UG/L	0.063	2		**0.100000 J**			<0.0480000			<0.0600000	<0.0600000
Nickel	N	UG/L	39					**20.80000 J**		**25.60000 J**	**26.60000 J**		
Nickel	Y	UG/L	39			<8.40000			**18.80000 J**			**29.10000 J**	**29.70000 J**
Selenium	N	UG/L	10	50				**1.80000 B**		**2.10000**	**1.70000 J**		
Selenium	Y	UG/L	10	50		<1.30000			**2.20000 J**			**0.960000 J**	**1.20000 J**
Thallium	N	UG/L	0.02	2				<0.200000		**0.240000 J**	**0.220000 J**		
Thallium	Y	UG/L	0.02	2		<0.200000			<0.200000			**0.230000 J**	**0.200000 J**
Vanadium	N	UG/L	8.6					<2.60000		<1.90000	<1.90000		
Vanadium	Y	UG/L	8.6			<2.60000			<2.60000			<1.90000	<1.90000
Zinc	N	UG/L	600					**98.80000**		**58.50000**	**60.50000**		
Zinc	Y	UG/L	600			**33.60000 B**			**87.60000**			**59.90000**	**66.20000**
Dissolved Gasses													
Ethane	N	UG/L											
Methane	N	UG/L											
Other													
Total Organic Carbon	N	UG/L											
Ammonia	N	UG/L											
Cyanide	N	UG/L	0.15	200				<4.00000					

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
J-Analyte present; reported value may not be accurate or precise

Table 5.12
RFI Soil Results – SWMUs 32-35, 72, and 154
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historic Fill 95%UTL (3)	Location ID	SWMU32-35-1	SWMU32-35-2	SWMU32-35-2	SWMU32-35-2
						Field Sample ID	28719367	28719369	28719370	P4S-0513-SWMU-32-35-2-5-7
						Sample Name	BEL-S-SWMU32-35-1(16-17)	BEL-S-SWMU32-35-2(3-4)	BEL-S-SWMU32-35-2(5-7)	
						Date Sampled	12/04/2012	12/04/2012	12/04/2012	05/28/2013
						Start Depth - End Depth (ft)	16 - 17	3 - 4	5 - 7	5 - 7
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil
Volatile Organic Compounds										
Acetone	MG/KG	67000		58			**0.0140 J**	**0.0120 J**	<0.0080	**0.051**
Benzene	MG/KG	5.1	0.052	0.0046			<0.00050	<0.00050	<0.00050	<0.00050
Carbon Disulfide	MG/KG	350		4.8			<0.0010	**0.0020 J**	**0.0020 J**	<0.0010
Formaldehyde	MG/KG	73		0.00174						**12**
Methyl Ethyl Ketone	MG/KG	19000		24			**0.0040 J**	**0.01**	<0.0040	**0.014**
Methylene Chloride	MG/KG	320	0.026	0.058			**0.0020 J**	<0.0020	<0.0020	<0.0020
Semi-Volatile Organic Compounds										
2-Methylnaphthalene	MG/KG	300		3.8	0.47		<0.0040	**0.068**	<0.0040	<0.0040
Acenaphthylene	MG/KG	4500			0.31		<0.0040	**0.0120 J**	<0.0040	<0.0040
Anthracene	MG/KG	23000		1160	0.44		<0.0040	**0.0120 J**	<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		<0.0040	**0.025**	<0.0040	<0.0040
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		<0.0040	**0.043**	<0.0040	<0.0040
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		<0.0040	**0.023**	<0.0040	<0.0040
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		<0.0040	**0.0160 J**	<0.0040	<0.0040
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		<0.0040	**0.0180 J**	<0.0040	<0.0040
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26			<0.0820	<0.0810	<0.0840	**0.1800 J**
Chrysene	MG/KG	290		24	1.5		<0.0040	**0.039**	<0.0040	<0.0040
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.0040	**0.0050 J**	<0.0040	<0.0040
Dibenzofuran	MG/KG	100		3			<0.0200	**0.0220 J**	<0.0210	<0.0200
Fluoranthene	MG/KG	3000		1780	1.9		<0.0040	**0.085**	<0.0040	<0.0040
Fluorene	MG/KG	3000		108	0.085		<0.0040	**0.0100 J**	<0.0040	<0.0040
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		<0.0040	**0.0160 J**	<0.0040	<0.0040
Naphthalene	MG/KG	17		0.0108	1.2		<0.0040	**0.066**	<0.0040	<0.0040
Phenanthrene	MG/KG	23000			0.87		**0.0040 J**	**0.088**	**0.0070 J**	**0.0070 J**
Pyrene	MG/KG	2300		260	1.5		<0.0040	**0.069**	<0.0040	<0.0040
Inorganics										
Antimony	MG/KG	47	5.4	7	1.4		<0.0794	**0.229 J**	<0.0803	
Arsenic	MG/KG	3	5.8	0.03	22		**6.52**	**15.6**	**5.79**	
Barium	MG/KG	22000	1640	3200	262		**163**	**159**	**175**	
Beryllium	MG/KG	230	64	380	2.2		**1.34**	**1**	**1.29**	
Cadmium	MG/KG	98	7.6	13.8	1.4		**1.43 J**	**0.303 J**	**0.247 J**	
Chromium	MG/KG	180000	3600000	80000000	44		**25.1 K**	**44.2 K**	**24.9 K**	
Cobalt	MG/KG	35		5.4	22		**14.6**	**9.2**	**12.4**	
Copper	MG/KG	4700	920	560	89		**20.3**	**249**	**19.6**	
Lead	MG/KG	800	280		106		**17.4**	**44.5**	**16.4**	
Mercury	MG/KG	35	2		4.1		**0.0319 J**	**0.233**	**0.0276 J**	
Nickel	MG/KG	2200		520	26		**24.2**	**20.5**	**25.9**	
Selenium	MG/KG	580	5.2	10.4	2.2		**0.148 J**	**0.924**	**0.208 J**	
Silver	MG/KG	580		16	Not Calculated		<0.168	<0.163	<0.170	
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.25**	**0.29**	**0.176**	
Tin	MG/KG	70000		60000	Not Calculated		**2.61 B**	**3.23 B**	**2.44 B**	
Vanadium	MG/KG	580		1720	67		**34.1 K**	**22.8 K**	**32.0 K**	
Zinc	MG/KG	35000		7400	133		**79.5**	**216**	**81**	
Miscellaneous										
Total Organic Carbon	MG/KG									**6190**
Ammonia	MG/KG									**383**
Percent Moisture	%						**18.5**	**18.2**	**20.2**	**18.1**

Table 5.12
RFI Soil Results – SWMUs 32-35, 72, and 154
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historic Fill 95%UTL (3)	Location ID	SWMU32-35-5	SWMU32-35-5	SWMU72-1	SWMU72-1
						Field Sample ID	28719372	P4S-0513-SWMU-32-35-5-35-36	28722404	28722405
						Sample Name	BEL-S-SWMU32-35-5(17-18)		BEL-S-SWMU72-1(0.5-1)	BEL-S-SWMU72-1(9-10)
						Date Sampled	12/04/2012	05/28/2013	12/04/2012	12/04/2012
						Start Depth - End Depth (ft)	17 - 18	35 - 36	0.5 - 1	9 - 10
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil
Volatile Organic Compounds										
Acetone	MG/KG	67000		58			<0.0060	**0.099**	**0.035**	**0.0130 J**
Benzene	MG/KG	5.1	0.052	0.0046			<0.00050	**0.0010 J**	**0.00070 J**	<0.00050
Carbon Disulfide	MG/KG	350		4.8			<0.00090	**0.0010 J**	**0.011**	<0.0010
Formaldehyde	MG/KG	73		0.00174				**24**		
Methyl Ethyl Ketone	MG/KG	19000		24			<0.0040	**0.02**	**0.0040 J**	<0.0040
Methylene Chloride	MG/KG	320	0.026	0.058			<0.0020	**0.0020 J**	<0.0020	<0.0020
Semi-Volatile Organic Compounds										
2-Methylnaphthalene	MG/KG	300		3.8	0.47		<0.0040	**0.0090 J**	**0.019**	**0.0060 J**
Acenaphthylene	MG/KG	4500			0.31		<0.0040	<0.0040	**0.019**	<0.0040
Anthracene	MG/KG	23000		1160	0.44		<0.0040	**0.0060 J**	**0.037**	<0.0040
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		<0.0040	**0.0090 J**	**0.16**	<0.0040
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		<0.0040	**0.029**	**0.31**	**0.0050 J**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		<0.0040	**0.0150 J**	**0.18**	**0.0100 J**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		<0.0040	**0.0100 J**	**0.13**	<0.0040
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		<0.0040	**0.0070 J**	**0.2**	**0.0060 J**
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26			<0.0820	<0.0890	<0.0710	<0.0840
Chrysene	MG/KG	290		24	1.5		<0.0040	**0.0180 J**	**0.17**	**0.0110 J**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.0040	<0.0040	**0.039**	<0.0040
Dibenzofuran	MG/KG	100		3			<0.0210	<0.0220	**0.0180 J**	<0.0210
Fluoranthene	MG/KG	3000		1780	1.9		<0.0040	**0.0150 J**	**0.31**	**0.0060 J**
Fluorene	MG/KG	3000		108	0.085		<0.0040	**0.0050 J**	**0.0050 J**	**0.0070 J**
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		<0.0040	**0.0080 J**	**0.15**	<0.0040
Naphthalene	MG/KG	17		0.0108	1.2		<0.0040	**0.0080 J**	**0.036**	<0.0040
Phenanthrene	MG/KG	23000			0.87		<0.0040	**0.035**	**0.19**	**0.0050 J**
Pyrene	MG/KG	2300		260	1.5		<0.0040	**0.0170 J**	**0.26**	**0.0090 J**
Inorganics										
Antimony	MG/KG	47	5.4	7	1.4		**0.0858 J**		**10.3**	<0.0815
Arsenic	MG/KG	3	5.8	0.03	22		**8.3**		**54.5**	**5.59**
Barium	MG/KG	22000	1640	3200	262		**176**		**5640**	**180**
Beryllium	MG/KG	230	64	380	2.2		**1.33**		**4.52**	**1.33**
Cadmium	MG/KG	98	7.6	13.8	1.4		<0.0388 UL		**0.445 J**	**0.132 J**
Chromium	MG/KG	180000	3600000	80000000	44		**23.0 K**		**227 K**	**25.5 K**
Cobalt	MG/KG	35		5.4	22		**18.1**		**29.1**	**11.3**
Copper	MG/KG	4700	920	560	89		**20.1**		**79.9**	**18.9**
Lead	MG/KG	800	280		106		**21.1**		**23.9**	**17.9**
Mercury	MG/KG	35	2		4.1		**0.0383 J**		**0.0427 J**	**0.0272 J**
Nickel	MG/KG	2200		520	26		**26.3**		**55.2**	**23.2**
Selenium	MG/KG	580	5.2	10.4	2.2		**0.169 J**		**0.727**	**0.349 J**
Silver	MG/KG	580		16	Not Calculated		<0.164		**1.29**	<0.173
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.274**		**0.246**	**0.254**
Tin	MG/KG	70000		60000	Not Calculated		**2.52 B**		**2.03 B**	**2.53 B**
Vanadium	MG/KG	580		1720	67		**34.3 K**		**32.1 K**	**33.9 K**
Zinc	MG/KG	35000		7400	133		**84.3**		**71.7**	**74.5**
Miscellaneous										
Total Organic Carbon	MG/KG							**6610**		
Ammonia	MG/KG							<68.1000		
Percent Moisture	%						**18.9**	**25.1**	**5.6**	**20.6**

Table 5.12
RFI Soil Results – SWMUs 32-35, 72, and 154
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historic Fill 95%UTL (3)	Location ID	SWMU72-1	SWMU72-1-1	SWMU72-1-2	SWMU72-1-3	SWMU72-1-3
						Field Sample ID	28722406	SS1113-SWMU72-1-0.5	SS1113-SWMU72-2-0.5	SS1113-SWMU72-3-0.5	SS1113-SWMU72-3-0.5-D
						Sample Name	BEL-S-SWMU72-1(17-18)				
						Date Sampled	12/04/2012	11/20/2013	11/20/2013	11/20/2013	11/20/2013
						Start Depth - End Depth (ft)	17 - 18	0.5 - 1	0.5 - 1	0.5 - 1	0.5 - 1
						Sample Purpose	FS	FS	FS	FS	DUP
						Fill or Native Soil	Native Soil	Fill	Fill	Fill	Fill
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20							
Volatile Organic Compounds											
Acetone	MG/KG	67000		58			**0.0080 J**				
Benzene	MG/KG	5.1	0.052	0.0046			<0.00050				
Carbon Disulfide	MG/KG	350		4.8			<0.0010				
Formaldehyde	MG/KG	73		0.00174							
Methyl Ethyl Ketone	MG/KG	19000		24			<0.0040				
Methylene Chloride	MG/KG	320	0.026	0.058			<0.0020				
Semi-Volatile Organic Compounds											
2-Methylnaphthalene	MG/KG	300		3.8	0.47		<0.0040				
Acenaphthylene	MG/KG	4500			0.31		<0.0040				
Anthracene	MG/KG	23000		1160	0.44		<0.0040				
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		<0.0040				
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.0080 J**				
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		<0.0040				
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		<0.0040				
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		<0.0040				
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26			<0.0840				
Chrysene	MG/KG	290		24	1.5		**0.0050 J**				
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.0040				
Dibenzofuran	MG/KG	100		3			<0.0210				
Fluoranthene	MG/KG	3000		1780	1.9		<0.0040				
Fluorene	MG/KG	3000		108	0.085		<0.0040				
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		<0.0040				
Naphthalene	MG/KG	17		0.0108	1.2		<0.0040				
Phenanthrene	MG/KG	23000			0.87		**0.0060 J**				
Pyrene	MG/KG	2300		260	1.5		<0.0040				
Inorganics											
Antimony	MG/KG	47	5.4	7	1.4		<0.0823				
Arsenic	MG/KG	3	5.8	0.03	22		**7.65**	**21.6 J**	**18.0 J**	**27.6 J**	**23.7 J**
Barium	MG/KG	22000	1640	3200	262		**198**				
Beryllium	MG/KG	230	64	380	2.2		**1.47**				
Cadmium	MG/KG	98	7.6	13.8	1.4		**0.444 J**				
Chromium	MG/KG	180000	3600000	80000000	44		**28.5 K**				
Cobalt	MG/KG	35		5.4	22		**17.5**				
Copper	MG/KG	4700	920	560	89		**22.4**				
Lead	MG/KG	800	280		106		**18.7**				
Mercury	MG/KG	35	2		4.1		**0.0362 J**				
Nickel	MG/KG	2200		520	26		**29.4**				
Selenium	MG/KG	580	5.2	10.4	2.2		**0.365 J**				
Silver	MG/KG	580		16	Not Calculated		<0.175				
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.235**				
Tin	MG/KG	70000		60000	Not Calculated		**2.74 B**				
Vanadium	MG/KG	580		1720	67		**36.4 K**				
Zinc	MG/KG	35000		7400	133		**91.1**				
Miscellaneous											
Total Organic Carbon	MG/KG										
Ammonia	MG/KG										
Percent Moisture	%						**20.6**	**7.9**	**5.2**	**4.9**	**5.3**

Table 5.12
RFI Soil Results – SWMUs 32-35, 72, and 154
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Footnotes:
1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historic fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the EPA Industrial Soil SL and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UL-Not detected; reporting limit is expected to be higher

Table 5.13
RFI Groundwater Results – SWMUs 32-35, 72, and 154
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	SWMU32-35-1-GW	SWMU32-35-3-GW	SWMU32-35-3-GW	SWMU32-35-5
				EPA SL Tap Water	Federal MCL	Field Sample ID	GW1113-SWMU32-35-1	GW1113-SWMU32-35-3	GW1113-SWMU32-35-3-D	P4G-0513-SWMU-32-35-5-35-36
						Date Sampled	11/20/2013	11/20/2013	11/20/2013	05/28/2013
						Sample Purpose	FS	FS	DUP	FS
Volatile Organic Compounds										
Acetone	67-64-1	N	UG/L	1400						**7 J**
Formaldehyde	50-00-0	N	UG/L	0.43			<30	**210 J**	**130 J**	**980**
Toluene	108-88-3	N	UG/L	110	1000					**1 J**
Semi-Volatile Organic Compounds										
2-Methylnaphthalene	91-57-6	N	UG/L	3.6						**0.2 J**
Acenaphthene	83-32-9	N	UG/L	53						**0.4 J**
Acenaphthylene	208-96-8	N	UG/L	53						**0.4 J**
Anthracene	120-12-7	N	UG/L	180						**1**
Benzo(A)Anthracene	56-55-3	N	UG/L	0.012						**1**
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.034						**0.9**
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	12						**0.4 J**
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.34						**0.5**
Benzo[A]Pyrene	50-32-8	N	UG/L	0.0034	0.2					**0.9**
Chrysene	218-01-9	N	UG/L	3.4						**1**
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.0034						**0.1 J**
Dibenzofuran	132-64-9	N	UG/L	0.79						**0.8 J**
Fluoranthene	206-44-0	N	UG/L	80						**3**
Fluorene	86-73-7	N	UG/L	29						**1**
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.034						**0.4 J**
Naphthalene	91-20-3	N	UG/L	0.17						**0.6**
Phenanthrene	85-01-8	N	UG/L	180						**5**
Pyrene	129-00-0	N	UG/L	12						**3**
Dissolved Gasses										
Methane	74-82-8	N	UG/L							**2700**
Other										
Total Organic Carbon	C012	N	UG/L							**4000**
Ammonia	7664-41-7	N	UG/L							**6700**

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
J-Analyte present; reported value may not be accurate or precise

Table 5.14
RFI Soil Results – SWMUs 151, 153, 155 and 158
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)							
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	SWMU151-1	SWMU151-1	SWMU151-1	SWMU155-1	SWMU155-1	SWMU155-1
						Field Sample ID	28625489	28625490	28625491	28620853	28620854	28620855
						Sample Name	BEL-S-SWMU151-1(0.5-1)	BEL-S-SWMU151-1(9-10)	BEL-S-SWMU151-1(21-22)	BEL-S-SWMU155-1(0.5-1)	BEL-S-SWMU155-1(12-13)	BEL-S-SWMU155-1(22-23)
						Date Sampled	12/03/2012	12/03/2012	12/03/2012	12/03/2012	12/03/2012	12/03/2012
						Start Depth - End Depth (ft)	0.5 - 1	9 - 10	21 - 22	0.5 - 1	12 - 13	22 - 23
						Sample Purpose	FS	FS	FS	FS	FS	FS
						Fill or Native Soil	Fill	Fill	Native Soil	Fill	Native Soil	Native Soil
Volatile Organic Compounds												
1,1,1-Trichloroethane	MG/KG	3600	1.4	56			**0.0020 J**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	MG/KG	67000		58			**0.034**	<0.0070	**0.0160 J**	**0.12**	<0.0070	<0.0070
Benzene	MG/KG	5.1	0.052	0.0046			**0.0010 J**	<0.00050	**0.00070 J**	**0.0030 J**	<0.00050	<0.00050
Carbon Disulfide	MG/KG	350		4.8			**0.025**	**0.0010 J**	**0.021**	**0.0020 J**	<0.0010	<0.0010
Chloroform	MG/KG	1.4	0.44	0.00122			**0.0020 J**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Ethyl Ketone	MG/KG	19000		24			**0.0050 J**	<0.0040	<0.0040	**0.0080 J**	<0.0040	<0.0040
Toluene	MG/KG	4700	13.8	15.2			<0.0010	<0.0010	<0.0010	**0.0030 J**	<0.0010	<0.0010
Trichloroethene	MG/KG	1.9	0.036	0.0036			**0.024**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds												
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.052**	**0.036**	**0.0150 J**	**0.57**	<0.0040	**0.0050 J**
Acenaphthene	MG/KG	4500		110	0.034		<0.0040	**0.0130 J**	<0.0040	<0.0200	<0.0040	<0.0040
Acenaphthylene	MG/KG	4500			0.31		**0.038**	**0.0100 J**	**0.0050 J**	**0.0290 J**	<0.0040	<0.0040
Anthracene	MG/KG	23000		1160	0.44		**0.042**	**0.0110 J**	**0.0070 J**	**0.0310 J**	<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.18**	**0.0130 J**	**0.0180 J**	**0.12**	<0.0040	<0.0040
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.32**	**0.0190 J**	**0.03**	**0.19**	<0.0040	**0.0120 J**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.13**	**0.0110 J**	**0.0140 J**	**0.12**	<0.0040	<0.0040
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.12**	**0.0100 J**	**0.0080 J**	**0.0690 J**	<0.0040	<0.0040
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.14**	**0.0120 J**	**0.0140 J**	**0.13**	<0.0040	<0.0040
Chrysene	MG/KG	290		24	1.5		**0.27**	**0.0170 J**	**0.025**	**0.12**	<0.0040	**0.0070 J**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.033**	<0.0040	<0.0040	**0.0500 J**	<0.0040	<0.0040
Dibenzofuran	MG/KG	100		3			**0.0280 J**	<0.0200	<0.0210	**0.1700 J**	<0.0210	<0.0210
Fluoranthene	MG/KG	3000		1780	1.9		**0.44**	**0.041**	**0.045**	**0.2**	<0.0040	<0.0040
Fluorene	MG/KG	3000		108	0.085		**0.0060 J**	**0.0120 J**	**0.0050 J**	<0.0200	<0.0040	<0.0040
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.11**	**0.0100 J**	**0.0090 J**	**0.11**	<0.0040	<0.0040
Naphthalene	MG/KG	17		0.0108	1.2		**0.068**	**0.036**	**0.0200 J**	**0.51**	<0.0040	<0.0040
Phenanthrene	MG/KG	23000			0.87		**0.25**	**0.04**	**0.037**	**0.3**	<0.0040	**0.0100 J**
Pyrene	MG/KG	2300		260	1.5		**0.31**	**0.035**	**0.035**	**0.19**	<0.0040	<0.0040
Inorganics												
Antimony	MG/KG	47	5.4	7	1.4		**2.31**	<0.0789	**0.120 J**	**0.28**	<0.0801	<0.0784
Arsenic	MG/KG	3	5.8	0.03	22		**20**	**6.28**	**11.8**	**4.71**	**4.18**	**4.7**
Barium	MG/KG	22000	1640	3200	262		**11300**	**235**	**240**	**89**	**126**	**134**
Beryllium	MG/KG	230	64	380	2.2		**7.78**	**1.37**	**1.4**	**1.15**	**2.04**	**1.28**
Cadmium	MG/KG	98	7.6	13.8	1.4		**0.286 J**	**0.111 J**	<0.0418	**0.188 J**	<0.0408	**0.0452 J**
Chromium	MG/KG	180000	3600000	80000000	44		**214 K**	**23.7 K**	**41.3 K**	**25.3 K**	**34.2 K**	**25.6 K**
Cobalt	MG/KG	35		5.4	22		**23.5**	**11.1**	**14.8**	**10.8**	**11**	**15.2**
Copper	MG/KG	4700	920	560	89		**102 K**	**20.7 K**	**30.2 K**	**85.8 K**	**17.8 K**	**20.9 K**
Lead	MG/KG	800	280		106		**20.5**	**30.7**	**24.2**	**24.6**	**16.1**	**14.6**
Mercury	MG/KG	35	2		4.1		**2.96**	**0.169**	**0.159**	**0.167**	**0.0410 J**	**0.0341 J**
Nickel	MG/KG	2200		520	26		**19.3**	**23.9**	**28.1**	**17.5**	**29.1**	**27.3**
Selenium	MG/KG	580	5.2	10.4	2.2		**0.798**	**0.376 J**	**0.392 J**	**0.435 J**	**0.626**	**0.445 J**
Silver	MG/KG	580		16	Not Calculated		**0.791**	<0.169	<0.177	<0.161	<0.173	<0.166
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.126**	**0.202**	**0.249**	**0.144**	**0.336**	**0.227**
Tin	MG/KG	70000		60000	Not Calculated		**3.46 B**	**3.15 B**	**3.46 B**	**3.17 B**	**3.40 B**	**2.84 B**
Vanadium	MG/KG	580		1720	67		**25.3**	**30.7**	**37.4**	**16.8**	**45.3**	**32.5**
Zinc	MG/KG	35000		7400	133		**118**	**79.6**	**94.7**	**79.8**	**102**	**89.6**
Miscellaneous												
Percent Moisture	%						**6**	**18.8**	**21.8**	**15**	**20.8**	**19.1**

Table 5.14
RFI Soil Results – SWMUs 151, 153, 155 and 158
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Footnotes:
1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the EPA Industrial Soil SL and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UL-Not detected; reporting limit is expected to be higher

Table 5.15
RFI Groundwater Results – SWMUs 151, 153, 155, and 158
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	SWMU153-1	SWMU153-2	158-3SO	158-5SO	158-6SO	SWMU158-1	SWMU158-2
						Field Sample ID	GW1113-SWMU153-1	GW1113-SWMU153-2	P41014-158-3SO	P41014-158-5SO	P41014-158-6SO	GW1113-SWMU158-1	GW1113-SWMU158-2
						Date Sampled	12/05/2013	12/05/2013	11/07/2014	11/07/2014	11/07/2014	12/05/2013	12/05/2013
				EPA SL Tap Water	Federal MCL	Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds													
Acetone	67-64-1	N	UG/L	1400			<6	<6	<6	<6	**7 J**	<6	<30
Benzene	71-43-2	N	UG/L	0.45	5		<0.5	<0.5	<0.5	<0.5	<0.5	**7**	**1200**
Carbon Disulfide	75-15-0	N	UG/L	81			**3 J**	**1 J**	<1	<1	<1	<1	<5
Ethylbenzene	100-41-4	N	UG/L	1.5	700		<0.8	<0.8	<0.5	<0.5	<0.5	**1 J**	**130**
Formaldehyde	50-00-0	N	UG/L	0.43			<30	**850**				<30	**45 J**
Formaldehyde	50-00-0	Y	UG/L	0.43					**50 B**		**32 J**		
Styrene	100-42-5	N	UG/L	120	100		<1	<1	<1	<1	<1	<1	**35**
Toluene	108-88-3	N	UG/L	110	1000		<0.7	<0.7	<0.5	**77**	**3**	**1 J**	**95**
Xylenes	1330-20-7	N	UG/L	19	10000		<0.8	<0.8	<0.5	<0.5	<0.5	**5**	**540**
Semi-Volatile Organic Compounds													
1,4-Dioxane	123-91-1	N	UG/L	0.46			**12 J**	<5	<1 UJ	**2 J**	**3 J**	<5	<5
1,4-Dioxane	123-91-1	Y	UG/L	0.46					**4 J**		<1		
2,4-Dimethylphenol	105-67-9	N	UG/L	36			<3	<3				<3	**12**
2-Methylnaphthalene	91-57-6	N	UG/L	3.6			**0.9 J**	<0.5				**3**	**250**
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L	190			<3	<3				<3	**5**
Acenaphthene	83-32-9	N	UG/L	53			<0.5	<0.5				<0.5	**27**
Acenaphthylene	208-96-8	N	UG/L	53			<0.5	<0.5				**0.9 J**	**49**
Anthracene	120-12-7	N	UG/L	180			<0.5	<0.5				**0.7 J**	<0.5
Benzo(A)Anthracene	56-55-3	N	UG/L	0.034			<0.5	<0.5				**3**	<0.5
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.034			**0.7 J**	<0.5				**4**	<0.5
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	12			<0.5	<0.5				**3**	<0.5
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.34			<0.5	<0.5				**2 J**	<0.5
Benzo[A]Pyrene	50-32-8	N	UG/L	0.0034	0.2		<0.5	<0.5				**3**	<0.5
Chrysene	218-01-9	N	UG/L	3.4			**0.7 J**	<0.5				**3**	<0.5
Dibenzofuran	132-64-9	N	UG/L	0.79			<3	<3				<3	**3 J**
Fluoranthene	206-44-0	N	UG/L	80			<0.5	<0.5				**6**	<0.5
Fluorene	86-73-7	N	UG/L	29			<0.5	<0.5				<0.5	**6**
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.034			<0.5	<0.5				**2 J**	<0.5
Naphthalene	91-20-3	N	UG/L	0.17			**1 B**	<0.5				**19**	**5200**
Naphthalene	91-20-3	Y	UG/L	0.17					<0.1	<0.1	**0.2 J**		
Phenanthrene	85-01-8	N	UG/L	180			**1 J**	<0.5				**5**	<0.5
Phenol	108-95-2	N	UG/L	580			<3	<3				<3	**10**
Pyrene	129-00-0	N	UG/L	12			**0.7 J**	<0.5				**6**	<0.5

Table 5.15
RFI Groundwater Results – SWMUs 151, 153, 155, and 158
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	SWMU153-1	SWMU153-2	158-3SO	158-5SO	158-6SO	SWMU158-1	SWMU158-2
				EPA SL Tap Water	Federal MCL	Field Sample ID	GW1113-SWMU153-1	GW1113-SWMU153-2	P41014-158-3SO	P41014-158-5SO	P41014-158-6SO	GW1113-SWMU158-1	GW1113-SWMU158-2
						Date Sampled	12/05/2013	12/05/2013	11/07/2014	11/07/2014	11/07/2014	12/05/2013	12/05/2013
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Inorganics													
Antimony	7440-36-0	N	UG/L	0.78	6		**0.68 J**	<0.34				**0.72 J**	<0.34
Arsenic	7440-38-2	N	UG/L	0.052	10		**531**	**354**				**729**	**39.1**
Barium	7440-39-3	N	UG/L	380	2000		**18900**	**12900**				**11000**	**867**
Beryllium	7440-41-7	N	UG/L	2.5	4		**211**	**93**				**171**	**4.4 J**
Cadmium	7440-43-9	N	UG/L	0.92	5		**34.1 J**	**4.4 J**				**42.2 J**	<0.76
Chromium	7440-47-3	N	UG/L	2200	100		**5440**	**2670**				**3660**	**127**
Cobalt	7440-48-4	N	UG/L	0.6			**2080**	**1800**				**2710**	**59.3**
Copper	7440-50-8	N	UG/L	80	1300		**5960**	**2220**				**6200**	**110**
Lead	7439-92-1	N	UG/L	15	15		**4920**	**1980**				**4100**	**73.4**
Mercury	7439-97-6	N	UG/L	0.063	2		**17.4**	**4.3**				**77.9**	**0.36**
Nickel	7440-02-0	N	UG/L	39			**4380**	**3440**				**4290**	**97.2**
Selenium	7782-49-2	N	UG/L	10	50		**21.5**	**22.9**				**58.8**	**3.8**
Silver	7440-22-4	N	UG/L	9.4			<10.5	<2.1				**11.7 J**	<2.1
Thallium	7440-28-0	N	UG/L	0.02	2		**12.7**	**6.7**				**8.4**	**0.58**
Tin	7440-31-5	N	UG/L	1200			**122**	**106**				**106**	**10 J**
Vanadium	7440-62-2	N	UG/L	8.6			**3220**	**2300**				**3500**	**143**
Zinc	7440-66-6	N	UG/L	600			**22900**	**11700**				**22900**	**315**

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
UJ-Not detected; reporting limit may not be accurate or precise

Table 5.16
RFI Soil Results – SWMUs 121, 122, and 150
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU121-2	SWMU121-2	SWMU121-2	SWMU122-1	SWMU122-1	SWMU122-1	SWMU122-2	SWMU122-6	SWMU122-6
						Field Sample ID	28601727	28601728	28601729	28603282	P4S-0513-SWMU-122-1-5-6	P4S-0513-SWMU-122-1-5-6-D	28603284	28603286	28603287
						Sample Name	BEL-S-SWMU121-2(2-3)	BEL-S-SWMU121-2(10-11)	BEL-S-SWMU121-2(16-17)	BEL-S-SWMU122-1(5-6)			BEL-S-SWMU122-2(17-18)	BEL-S-SWMU122-6(2-3)	BEL-S-SWMU122-6(10-11)
						Date Sampled	11/29/2012	11/29/2012	11/29/2012	11/29/2012	05/24/2013	05/24/2013	11/29/2012	11/29/2012	11/29/2012
						Start Depth - End Depth (ft)	2 - 3	10 - 11	16 - 17	5 - 6	5 - 6	5 - 6	17 - 18	2 - 3	10 - 11
						Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS	FS
						Fill or Native Soil	Fill	Native Soil	Native Soil	Fill	Fill	Fill	Native Soil	Fill	Native Soil
Volatile Organic Compounds															
1,2-Dichlorobenzene	MG/KG	930	11.6	6			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Acetone	MG/KG	67000		58			**0.0150 J**	**0.0080 J**	**0.021**	<0.0070	<0.0070	<0.0070	<0.0080	**0.0140 J**	**0.0180 J**
Benzene	MG/KG	5.1	0.052	0.0046			**0.00090 J**	<0.00050	<0.00050	**0.0020 J**	<0.00050	<0.00050	<0.00060	**0.0010 J**	<0.00050
Carbon Disulfide	MG/KG	350		4.8			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.0030 J**	**0.0020 J**
Formaldehyde	MG/KG	73		0.00174							**6.0000 J**	**21.0000 J**			
Toluene	MG/KG	4700	13.8	15.2			**0.0010 J**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.0030 J**	<0.0010
Xylenes	MG/KG	250	196	3.8			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.0010 J**	<0.0010
Semi-Volatile Organic Compounds															
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.0160 J**	**0.0050 J**	<0.0040	**0.0150 J**	<0.0040	**0.0090 J**	<0.0040	**0.043**	**0.025**
Acenaphthene	MG/KG	4500		110	0.034		<0.0040	**0.0060 J**	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	**0.0080 J**
Acenaphthylene	MG/KG	4500			0.31		**0.0050 J**	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	**0.0080 J**	<0.0040
Anthracene	MG/KG	23000		1160	0.44		**0.0080 J**	<0.0040	<0.0040	**0.0110 J**	<0.0040	**0.0050 J**	<0.0040	**0.0050 J**	**0.0130 J**
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.0150 J**	<0.0040	<0.0040	**0.0150 J**	<0.0040	**0.0080 J**	<0.0040	**0.0180 J**	**0.0090 J**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.02**	<0.0040	<0.0040	**0.024**	**0.0060 J**	**0.0110 J**	**0.0070 J**	**0.032**	**0.0110 J**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.0130 J**	<0.0040	<0.0040	**0.0110 J**	<0.0040	**0.0070 J**	<0.0040	**0.027**	**0.0070 J**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.0090 J**	<0.0040	<0.0040	**0.0110 J**	<0.0040	**0.0060 J**	<0.0040	**0.0160 J**	**0.0060 J**
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.0110 J**	<0.0040	<0.0040	**0.0100 J**	<0.0040	**0.0060 J**	<0.0040	**0.022**	**0.0070 J**
Chrysene	MG/KG	290		24	1.5		**0.021**	**0.0050 J**	<0.0040	**0.022**	**0.0070 J**	**0.0120 J**	<0.0040	**0.027**	**0.0150 J**
Fluoranthene	MG/KG	3000		1780	1.9		**0.035**	**0.0040 J**	<0.0040	**0.062**	**0.0090 J**	**0.0180 J**	<0.0040	**0.051**	**0.028**
Fluorene	MG/KG	3000		108	0.085		**0.0070 J**	**0.0050 J**	<0.0040	**0.0050 J**	<0.0040	<0.0040	<0.0040	<0.0040	**0.0160 J**
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.0070 J**	<0.0040	<0.0040	**0.0090 J**	<0.0040	<0.0040	<0.0040	**0.022**	**0.0050 J**
Naphthalene	MG/KG	17		0.0108	1.2		**0.021**	**0.0200 J**	<0.0040	**0.062**	**0.0070 J**	**0.0150 J**	<0.0040	**0.037**	**0.031**
Phenanthrene	MG/KG	23000			0.87		**0.034**	**0.0100 J**	**0.0090 J**	**0.081**	**0.0130 J**	**0.033**	**0.0090 J**	**0.061**	**0.068**
Pyrene	MG/KG	2300		260	1.5		**0.031**	**0.0050 J**	<0.0040	**0.029**	**0.0070 J**	**0.0130 J**	<0.0040	**0.037**	**0.027**
Inorganics															
Antimony	MG/KG	47	5.4	7	1.4		**0.71**	**0.0853 J**	**0.137 J**	**0.198 J**			<0.202	**0.173 J**	**0.148 J**
Arsenic	MG/KG	3	5.8	0.03	22		**35.4**	**6.34**	**7.8**	**5.11**			**9.6**	**8.82**	**8.2**
Barium	MG/KG	22000	1640	3200	262		**64.9**	**143**	**127**	**150**			**122**	**170**	**186**
Beryllium	MG/KG	230	64	380	2.2		**0.921**	**1.24**	**1.11**	**1.24**			**1.07**	**1.16**	**1.27**
Cadmium	MG/KG	98	7.6	13.8	1.4		**0.203 J**	<0.0394	<0.0777	<0.0423			<0.0810	<0.0394	<0.0421
Chromium	MG/KG	180000	3600000	80000000	44		**35.4 K**	**26.1 K**	**25.5 K**	**24.5 K**			**22.0 K**	**21.9 K**	**23.0 K**
Cobalt	MG/KG	35		5.4	22		**8.34**	**12.8**	**23**	**8.94**			**9.31**	**9.87**	**12.1**
Copper	MG/KG	4700	920	560	89		**128**	**16.2**	**18.2**	**26**			**17.1**	**16.9**	**19.1**
Lead	MG/KG	800	280		106		**32.2**	**17.8**	**18.7**	**45.2**			**15.9**	**29.1**	**26.3**
Mercury	MG/KG	35	2		4.1		**1**	**0.0264 J**	**0.0277 J**	**0.277**			**0.0279 J**	**0.0851 J**	**0.0409 J**
Nickel	MG/KG	2200		520	26		**16**	**21.1**	**21.1**	**21.4**			**20.8**	**20.3**	**23.6**
Selenium	MG/KG	580	5.2	10.4	2.2		**0.667**	**0.552**	**0.164 J**	**0.582**			**0.440 J**	**0.682**	**0.426 J**
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.136**	**0.245**	**0.236**	**0.229**			**0.230 J**	**0.195**	**0.25**
Tin	MG/KG	70000		60000	Not Calculated		**4.31 B**	**2.63 B**	**2.50 B**	**3.62 B**			**2.58 B**	**2.71 B**	**2.87 B**
Vanadium	MG/KG	580		1720	67		**15.4**	**37.9**	**36**	**34.2**			**33.4**	**30.9**	**31.1**
Zinc	MG/KG	35000		7400	133		**77.8**	**69.3**	**66.4**	**111**			**65.6**	**79.7**	**77.3**
Miscellaneous															
Total Organic Carbon	MG/KG										**3810**	**3950**			
Ammonia	MG/KG										**131**	**81.1000 J**			
Percent Moisture	%						**10.1**	**18.6**	**17.5**	**22**	**23.9 J**	**21.0 J**	**20.1**	**19.5**	**21.7**

Table 5.16
RFI Soil Results – SWMUs 121, 122, and 150
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historic fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the EPA Industrial Soil SL and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.17
RFI Groundwater Results – SWMUs 121, 122, and 150
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	SWMU150-1	SWMU150-2
				EPA SL Tap Water	Federal MCL	Field Sample ID	GW1113-SWMU150-1	GW1113-SWMU150-2
						Date Sampled	12/05/2013	12/05/2013
						Sample Purpose	FS	FS
Volatile Organic Compounds								
1,4-Dichlorobenzene	106-46-7	N	UG/L	0.48	75		<1	<1
Benzene	71-43-2	N	UG/L	0.45	5		**5**	**3 J**
Ethylbenzene	100-41-4	N	UG/L	1.5	700		**1 J**	<0.8
Formaldehyde	50-00-0	N	UG/L	0.43			**100**	**62**
Methyl Ethyl Ketone	78-93-3	N	UG/L	560			<3	**54**
Toluene	108-88-3	N	UG/L	110	1000		**1 J**	<0.7
Xylenes	1330-20-7	N	UG/L	19	10000		**4 J**	**1 J**
Semi-Volatile Organic Compounds								
1,4-Dioxane	123-91-1	N	UG/L	0.67			**19 J**	<5
2-Methylnaphthalene	91-57-6	N	UG/L	3.6			**2 J**	**2 J**
Acenaphthylene	208-96-8	N	UG/L	53			**14**	**1 J**
Anthracene	120-12-7	N	UG/L	180			**18**	**0.9 J**
Benzo(A)Anthracene	56-55-3	N	UG/L	0.012			**59**	**2 J**
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.034			**69**	**3**
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	12			**46**	**2 J**
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.34			**29**	**1 J**
Benzo[A]Pyrene	50-32-8	N	UG/L	0.0034	0.2		**59**	**3**
Bis(2-Ethylhexyl)Phthalate	117-81-7	N	UG/L	5.6	6		**24 J**	**21 J**
Chrysene	218-01-9	N	UG/L	3.4			**56**	**2 J**
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.0034			**8**	<0.5
Dibenzofuran	132-64-9	N	UG/L	0.79			**4 J**	<3
Fluoranthene	206-44-0	N	UG/L	80			**120**	**4**
Fluorene	86-73-7	N	UG/L	29			**3**	<0.5
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.034			**39**	**1 J**
Naphthalene	91-20-3	N	UG/L	0.17			**22**	**24**
Phenanthrene	85-01-8	N	UG/L	180			**62**	**3**
Pyrene	129-00-0	N	UG/L	12			**120**	**4**
Inorganics								
Antimony	7440-36-0	N	UG/L	0.78	6		**0.54 J**	**8.7**
Arsenic	7440-38-2	N	UG/L	0.052	10		**88.3**	**415**
Barium	7440-39-3	N	UG/L	380	2000		**3580**	**7700**
Beryllium	7440-41-7	N	UG/L	2.5	4		**47.6**	**66.4**
Cadmium	7440-43-9	N	UG/L	0.92	5		**1.7 J**	**9.8 J**
Chromium	7440-47-3	N	UG/L	2200	100		**1060**	**1970**
Cobalt	7440-48-4	N	UG/L	0.6			**391**	**5360**
Copper	7440-50-8	N	UG/L	80	1300		**945**	**33000**
Lead	7439-92-1	N	UG/L	15	15		**608**	**4240**
Mercury	7439-97-6	N	UG/L	0.063	2		**231**	**9.3**
Nickel	7440-02-0	N	UG/L	39			**853**	**6520**
Selenium	7782-49-2	N	UG/L	10	50		**7.5**	**56.9**
Silver	7440-22-4	N	UG/L	9.4			<2.1	**58.6**
Thallium	7440-28-0	N	UG/L	0.02	2		**3.3**	**18.2**
Tin	7440-31-5	N	UG/L	1200			**37.3**	**120**
Vanadium	7440-62-2	N	UG/L	8.6			**1260**	**1700**
Zinc	7440-66-6	N	UG/L	600			**3120**	**12700**

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
J-Analyte present; reported value may not be accurate or precise

Table 5.18
SWMUs 121, 122, and 150 Soil Vapor Results (Hits Only)
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analytes (1)	CAS No.	Units	Location ID	SWMU122-1
			Field Sample ID	P4SV0513-SWMU-122-1-5-6
			Sample Name	
			Date Sampled	05/29/2013
			Sample Purpose	FS
			Start - End Depth	5 - 6
Volatile Organic Compounds				
1,2,4-Trimethylbenzene	95-63-6	UG/M3		**7.9 J**
2-Hexanone	591-78-6	UG/M3		**960**
2-Propanol	67-63-0	UG/M3		**94**
4-Ethyltoluene	622-96-8	UG/M3		**2.9 J**
Acetone	67-64-1	UG/M3		**8200**
Benzene	71-43-2	UG/M3		**4.2 J**
Carbon Disulfide	75-15-0	UG/M3		**27 J**
Chloroform	67-66-3	UG/M3		**1.8 J**
Cyclohexane	110-82-7	UG/M3		**6.3 J**
Dichlorodifluoromethane	75-71-8	UG/M3		**2.5 J**
Ethanol	64-17-5	UG/M3		**680**
Heptane	142-82-5	UG/M3		**56**
Hexane	110-54-3	UG/M3		**63**
Meta- And Para-Xylene	EVS0253	UG/M3		**4.0 J**
Methyl Bromide	74-83-9	UG/M3		**4.1 B**
Methyl Ethyl Ketone	78-93-3	UG/M3		**5200**
Ortho-Xylene	95-47-6	UG/M3		**3.2 J**
Toluene	108-88-3	UG/M3		**5.4 J**
Propene	115-07-1	UG/M3		**140 J**
trans-2-Butene	624-64-6	UG/M3		**510 J**
Dissolved Gasses				
Ethene	74-85-1	%		**0.000034 J**
Methane	74-82-8	%		**0.00024**

Footnotes:
(1) Hits only table. See Appendix E for complete results. TICs are also included in the appendix.

Notes:
Bold = Detected Concentration
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise

Table 5.19
RFI Soil Results – SWMUs 41A, 48, 73-76, 79, and 80
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	HP-4	HP-4	SWMU41A-1	SWMU41A-2	SWMU41A-2	SWMU-48-2	SWMU-48-2	SWMU-48-3
						Field Sample ID	7644402	7644642	28623468	28623470	28623471	28612626	28612627	28612624
						Sample Name	BEL-S-HP-4(7.5-9.0)-2	BEL-S-HP-4(7.5-9.0)	BEL-S-SWMU41A-1(19-20)	BEL-S-SWMU41A-2(2.5-3.5)	BEL-S-SWMU41A-2(12-13)	BEL-S-SWMU-48-2(3-4)	BEL-S-SWMU-48-2(8-9)	BEL-S-SWMU-48-3(18-19)
						Date Sampled	09/26/2000	09/26/2000	12/03/2012	12/03/2012	12/03/2012	11/30/2012	11/30/2012	11/30/2012
						Start Depth - End Depth (ft)	7.5 - 9	7.5 - 9	19 - 20	2.5 - 3.5	12 - 13	3 - 4	8 - 9	18 - 19
						Sample Purpose	DUP	FS	FS	FS	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Native Soil	Fill	Fill	Fill	Native Soil	Native Soil
Volatile Organic Compounds														
Acetone	MG/KG	67000		58			**0.0780 K**	**0.0680 K**	**0.0140 J**	**0.0110 J**	**0.0070 J**	**0.0210 J**	<0.3600	**0.0120 J**
Benzene	MG/KG	5.1	0.052	0.0046			**0.0020 J**	**0.0020 J**	<0.00050	**0.005**	<0.00050	**0.0060 J**	<0.0260	<0.00050
Carbon Disulfide	MG/KG	350		4.8			**0.0010 J**	**0.0020 J**	<0.0010	**0.0010 J**	<0.00090	**0.011**	<0.0520	<0.0010
Chloroform	MG/KG	1.4	0.44	0.00122			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	**0.053**	<0.0520	<0.0010
Formaldehyde	MG/KG	73		0.00174										
Methyl Ethyl Ketone	MG/KG	19000		24			**0.17**	**0.13**	<0.0040	<0.0040	<0.0040	<0.0080	<0.2100	<0.0040
Methyl Isobutyl Ketone	MG/KG	5600		5.6			<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0060	<0.1600	<0.0030
Methylene Chloride	MG/KG	320	0.026	0.058			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0040	<0.1000	<0.0020
Toluene	MG/KG	4700	13.8	15.2			**0.0010 J**	<0.0010	<0.0010	<0.0010	<0.00090	<0.0020	**0.34**	<0.0010
Xylenes	MG/KG	250	196	3.8			**0.0030 J**	**0.0020 J**	<0.0010	<0.0010	<0.00090	<0.0020	**0.39**	<0.0010
Semi-Volatile Organic Compounds														
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.1800 J**	**0.1700 J**	<0.0040	**0.27**	<0.0040	**0.0220 J**	**0.17**	<0.0040
4-Methylphenol (P-Cresol)	MG/KG	8200		30			<0.0850	<0.0840	<0.0200	<0.2000	<0.0210	<0.1100	<0.0210	<0.0210
Acenaphthene	MG/KG	4500		110	0.034		<0.0420	<0.0420	<0.0040	**0.1300 J**	<0.0040	<0.0220	<0.0040	<0.0040
Acenaphthylene	MG/KG	4500			0.31		<0.0420	<0.0420	<0.0040	<0.0390	<0.0040	<0.0220	<0.0040	<0.0040
Acetophenone	MG/KG	12000		11.6			<0.0420	<0.0420	<0.0200	<0.2000	<0.0210	<0.1100	**0.0220 J**	<0.0210
Anthracene	MG/KG	23000		1160	0.44		<0.0420	<0.0420	<0.0040	**0.25**	<0.0040	<0.0220	<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		<0.0420	<0.0420	<0.0040	**0.53**	<0.0040	<0.0220	**0.0110 J**	<0.0040
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		<0.0420	<0.0420	<0.0040	**0.56**	<0.0040	<0.0220	**0.0160 J**	<0.0040
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		<0.0420	<0.0420	<0.0040	**0.36**	<0.0040	<0.0220	**0.0150 J**	<0.0040
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		<0.0420	<0.0420	<0.0040	**0.27**	<0.0040	<0.0220	<0.0040	<0.0040
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		<0.0420	<0.0420	<0.0040	**0.52**	<0.0040	<0.0220	**0.0120 J**	<0.0040
Chrysene	MG/KG	290		24	1.5		<0.0420	<0.0420	<0.0040	**0.47**	<0.0040	<0.0220	**0.0190 J**	<0.0040
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.0420	<0.0420	<0.0040	**0.0470 J**	<0.0040	<0.0220	<0.0040	<0.0040
Dibenzofuran	MG/KG	100		3			<0.0420	<0.0420	<0.0200	<0.2000	<0.0210	<0.1100	**0.0410 J**	<0.0210
Fluoranthene	MG/KG	3000		1780	1.9		<0.0420	<0.0420	<0.0040	**1.1**	<0.0040	<0.0220	**0.0150 J**	<0.0040
Fluorene	MG/KG	3000		108	0.085		<0.0420	<0.0420	<0.0040	**0.0810 J**	<0.0040	<0.0220	**0.0050 J**	<0.0040
Hexachlorobenzene	MG/KG	0.96	0.26	0.0024			<0.0420	<0.0420	<0.0040	**0.0700 J**	<0.0040	<0.0220	<0.0040	<0.0040
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		<0.0420	<0.0420	<0.0040	**0.35**	<0.0040	<0.0220	<0.0040	<0.0040
Naphthalene	MG/KG	17		0.0108	1.2		**0.77**	**0.55**	<0.0040	**0.39**	<0.0040	**0.0360 J**	**0.13**	<0.0040
N-Nitroso-Di-N-Butylamine	MG/KG	0.43		1.10E-04			**0.42**	**0.3400 J**	<0.0790	<0.7900	<0.0820	<0.4400	<0.0850	<0.0830
Phenanthrene	MG/KG	23000			0.87		**0.0640 J**	**0.0580 J**	**0.0060 J**	**1.1**	**0.0050 J**	**0.0240 J**	**0.07**	<0.0040
Phenol	MG/KG	25000		66			<0.0850	<0.0840	<0.0200	<0.2000	<0.0210	<0.1100	<0.0210	<0.0210
Pyrene	MG/KG	2300		260	1.5		<0.0420	<0.0420	<0.0040	**1.1**	<0.0040	<0.0220	**0.0150 J**	<0.0040
Inorganics														
Antimony	MG/KG	47	5.4	7	1.4		<2.8	<2.7	<0.0770	**0.221 J**	**0.0872 J**	**2.23**	**0.162 J**	**0.112 J**
Arsenic	MG/KG	3	5.8	0.03	22		**4.4**	**5.9**	**5.92**	**3.48**	**7.79**	**20.9**	**6.58**	**6.34**
Barium	MG/KG	22000	1640	3200	262		**162**	**196**	**92.3**	**337**	**204**	**54.9**	**252**	**166**
Beryllium	MG/KG	230	64	380	2.2		**1.5**	**1.8**	**1.14**	**0.952**	**1.73**	**0.529 J**	**1.56**	**1.29**
Cadmium	MG/KG	98	7.6	13.8	1.4		**0.37 J**	**0.86 J**	**0.0693 J**	**0.644**	<0.0398	**0.0812 J**	<0.0416	<0.0404
Chromium	MG/KG	180000	3600000	80000000	44		**25.8**	**26.6**	**15.9 K**	**101 K**	**26.9 K**	**11.8 K**	**26.6 K**	**22.4 K**
Cobalt	MG/KG	35		5.4	22		**11.1**	**29.5**	**11.6**	**9.27**	**19.7**	**11**	**13.4**	**29.1**
Copper	MG/KG	4700	920	560	89		**18.1**	**21.8**	**16.0 K**	**412 K**	**24.1 K**	**70.7**	**26.1**	**20.6**
Lead	MG/KG	800	280		106		**18**	**19.7**	**11.3**	**22.5**	**19**	**51.5**	**21.6**	**19.6**
Mercury	MG/KG	35	2		4.1		**0.018 J**	**0.016 J**	**0.0314 J**	**8.15**	**0.0412 J**	**1.5**	**0.0576 J**	**0.0275 J**
Nickel	MG/KG	2200		520	26		**24**	**27.9**	**16.1**	**22.4**	**31**	**16.5**	**30.4**	**26**
Selenium	MG/KG	580	5.2	10.4	2.2		**0.66 J**	**1.1 J**	**0.165 J**	**0.228 J**	**0.160 J**	**1.38**	**0.306 J**	**0.155 J**
Silver	MG/KG	580		16	Not Calculated		<0.39	**1.8 J**	<0.162	**0.593**	<0.169	**1.7**	<0.176	<0.172
Thallium	MG/KG	1.2	2.8	0.28	0.41		<0.58	<0.58	**0.146**	**0.0918 J**	**0.271**	**0.125 J**	**0.268**	**0.244**
Tin	MG/KG	70000		60000	Not Calculated		<4.7	<4.6	**2.73 B**	**3.56 B**	**3.16 B**	**3.44 B**	**3.07 B**	**2.86 B**
Vanadium	MG/KG	580		1720	67		**35.8**	**37.1**	**21**	**23.4**	**39.9**	**13.6 K**	**35.6 K**	**33.5 K**
Zinc	MG/KG	35000		7400	133		**79.3**	**83.4**	**55**	**125**	**96.5**	**18.1**	**120**	**80.6**

Table 5.19
RFI Soil Results – SWMUs 41A, 48, 73-76, 79, and 80
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	HP-4	HP-4	SWMU41A-1	SWMU41A-2	SWMU41A-2	SWMU-48-2	SWMU-48-2	SWMU-48-3
						Field Sample ID	7644402	7644642	28623468	28623470	28623471	28612626	28612627	28612624
						Sample Name	BEL-S-HP-4(7.5-9.0)-2	BEL-S-HP-4(7.5-9.0)	BEL-S-SWMU41A-1(19-20)	BEL-S-SWMU41A-2(2.5-3.5)	BEL-S-SWMU41A-2(12-13)	BEL-S-SWMU-48-2(3-4)	BEL-S-SWMU-48-2(8-9)	BEL-S-SWMU-48-3(18-19)
						Date Sampled	09/26/2000	09/26/2000	12/03/2012	12/03/2012	12/03/2012	11/30/2012	11/30/2012	11/30/2012
						Start Depth - End Depth (ft)	7.5 - 9	7.5 - 9	19 - 20	2.5 - 3.5	12 - 13	3 - 4	8 - 9	18 - 19
						Sample Purpose	DUP	FS	FS	FS	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Native Soil	Fill	Fill	Fill	Native Soil	Native Soil
Pesticides														
Alpha-BHC	MG/KG	0.37		8.20E-04			**0.00089**	**0.001690 J**						
delta-BHC	MG/KG						**0.0002560 J**	<0.000840						
Endosulfan I	MG/KG	490		2.8			**0.0003010 J**	<0.000840						
Endrin Aldehyde	MG/KG	25	1.62	0.184			**0.000550 J**	<0.00160						
2,4,5-T	MG/KG	820		1.34			<0.000510	**0.000980 J**						
Miscellaneous														
Total Organic Carbon	MG/KG													
Ammonia	MG/KG													
Percent Moisture	%								**16**	**15.4**	**19.4**	**23.9**	**21.4**	**19.2**
Percent Moisture	% BY WT.						**20.8**	**20.5**						

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I - endosulfan
Endrin Aldehyde - endrin
3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Grey Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.19
RFI Soil Results – SWMUs 41A, 48, 73-76, 79, and 80
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU75-1	SWMU75-1	SWMU75-1	SWMU75-1	SWMU79-1	SWMU79-1	SWMU79-1	SWMU79-2
						Field Sample ID	28636839	28636840	28636841	28636842	28608629	28608630	28608631	28608626
						Sample Name	BEL-S-SWMU-75-1(3-4)	BEL-S-SWMU-75-1(7-8)	BEL-S-SWMU-75-1(10.5-11.5)	BEL-S-SWMU-75-1(24-25)	BEL-S-SWMU-79-1(3-4)	BEL-S-SWMU-79-1(7-8)	BEL-S-SWMU-79-1(14-15)	BEL-S-SWMU-79-2(8-9)
						Date Sampled	11/30/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012
						Start Depth - End Depth (ft)	3 - 4	7 - 8	10.5 - 11.5	24 - 25	3 - 4	7 - 8	14 - 15	8 - 9
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds														
Acetone	MG/KG	67000		58			**0.0140 J**	**0.0100 J**	<0.0070	<0.0070	**0.046**	**0.026**	**0.0100 J**	<0.3500
Benzene	MG/KG	5.1	0.052	0.0046			**0.0020 J**	<0.00050	<0.00050	<0.00050	**0.00080 J**	**0.0010 J**	<0.00050	<0.0250
Carbon Disulfide	MG/KG	350		4.8			**0.0070 J**	**0.0010 J**	<0.0010	<0.0010	**0.0030 J**	<0.0010	<0.0010	<0.0500
Chloroform	MG/KG	1.4	0.44	0.00122			**0.0050 J**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0500
Formaldehyde	MG/KG	73		0.00174										
Methyl Ethyl Ketone	MG/KG	19000		24			<0.0070	<0.0040	<0.0040	<0.0040	**0.0120 J**	**0.013**	**0.0060 J**	<0.2000
Methyl Isobutyl Ketone	MG/KG	5600		5.6			<0.0060	<0.0030	<0.0030	<0.0030	**0.0090 J**	<0.0030	<0.0030	<0.1500
Methylene Chloride	MG/KG	320	0.026	0.058			<0.0040	<0.0020	<0.0020	<0.0020	<0.0030	<0.0020	<0.0020	<0.1000
Toluene	MG/KG	4700	13.8	15.2			<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	**0.0010 J**	<0.0010	<0.0500
Xylenes	MG/KG	250	196	3.8			<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0500
Semi-Volatile Organic Compounds														
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.099**	**0.0120 J**	<0.0040	**0.0050 J**	**0.26**	**0.46**	<0.0040	**0.088**
4-Methylphenol (P-Cresol)	MG/KG	8200		30			<0.0940	<0.0200	<0.0200	<0.0210	**0.1300 J**	<0.0210	<0.0210	**0.063**
Acenaphthene	MG/KG	4500		110	0.034		<0.0190	<0.0040	<0.0040	<0.0040	<0.0200	<0.0040	<0.0040	<0.0040
Acenaphthylene	MG/KG	4500			0.31		**0.22**	<0.0040	<0.0040	<0.0040	**0.0670 J**	<0.0040	<0.0040	<0.0040
Acetophenone	MG/KG	12000		11.6			<0.0940	<0.0200	<0.0200	<0.0210	<0.1000	<0.0210	<0.0210	<0.0210
Anthracene	MG/KG	23000		1160	0.44		**0.2**	<0.0040	<0.0040	<0.0040	**0.0760 J**	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.46**	<0.0040	<0.0040	<0.0040	**0.11**	**0.0160 J**	<0.0040	**0.0050 J**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.65**	**0.0060 J**	<0.0040	**0.0070 J**	**0.21**	**0.023**	<0.0040	**0.0120 J**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.33**	<0.0040	<0.0040	<0.0040	**0.11**	**0.022**	<0.0040	**0.0060 J**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.23**	<0.0040	<0.0040	<0.0040	**0.0470 J**	<0.0040	<0.0040	<0.0040
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.39**	<0.0040	<0.0040	<0.0040	**0.1**	**0.0120 J**	<0.0040	**0.0060 J**
Chrysene	MG/KG	290		24	1.5		**0.57**	**0.0060 J**	<0.0040	<0.0040	**0.16**	**0.027**	<0.0040	**0.0100 J**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.1**	<0.0040	<0.0040	<0.0040	<0.0200	<0.0040	<0.0040	<0.0040
Dibenzofuran	MG/KG	100		3			<0.0940	<0.0200	<0.0200	<0.0210	<0.1000	**0.09**	<0.0210	<0.0210
Fluoranthene	MG/KG	3000		1780	1.9		**1.2**	<0.0040	<0.0040	<0.0040	**0.27**	**0.0180 J**	<0.0040	**0.0100 J**
Fluorene	MG/KG	3000		108	0.085		**0.0570 J**	<0.0040	<0.0040	<0.0040	**0.0640 J**	**0.0050 J**	<0.0040	**0.0040 J**
Hexachlorobenzene	MG/KG	0.96	0.26	0.0024			<0.0190	<0.0040	<0.0040	<0.0040	<0.0200	<0.0040	<0.0040	<0.0040
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.29**	<0.0040	<0.0040	<0.0040	**0.0830 J**	<0.0040	<0.0040	<0.0040
Naphthalene	MG/KG	17		0.0108	1.2		**0.47**	**0.0120 J**	**0.0070 J**	<0.0040	**0.48**	**0.41**	<0.0040	**0.08**
N-Nitroso-Di-N-Butylamine	MG/KG	0.43		1.10E-04			<0.3700	<0.0800	<0.0820	<0.0850	<0.4100	<0.0850	<0.0840	<0.0850
Phenanthrene	MG/KG	23000			0.87		**0.82**	**0.0110 J**	**0.0070 J**	<0.0040	**0.33**	**0.15**	<0.0040	**0.041**
Phenol	MG/KG	25000		66			<0.0940	<0.0200	<0.0200	<0.0210	**0.47**	<0.0210	<0.0210	**0.0300 J**
Pyrene	MG/KG	2300		260	1.5		**1.1**	<0.0040	<0.0040	<0.0040	**0.22**	**0.025**	<0.0040	**0.0120 J**
Inorganics														
Antimony	MG/KG	47	5.4	7	1.4		**1**	**0.0806 J**	**0.150 J**	**0.0999 J**	**2.36**	**0.197 J**	**0.0922 J**	**0.218 J**
Arsenic	MG/KG	3	5.8	0.03	22		**17.8**	**6.93**	**9.24**	**5.04**	**11.4**	**8.36**	**6.29**	**8.05**
Barium	MG/KG	22000	1640	3200	262		**277**	**237**	**187**	**150**	**443**	**235**	**180**	**178**
Beryllium	MG/KG	230	64	380	2.2		**0.78**	**1.34**	**1.46**	**1.25**	**1.12**	**1.6**	**1.32**	**1.71**
Cadmium	MG/KG	98	7.6	13.8	1.4		<0.0371	**0.336 J**	**0.181 J**	**0.0575 J**	**0.157 J**	<0.0409	**0.0455 J**	<0.0404
Chromium	MG/KG	180000	3600000	80000000	44		**10.6 K**	**23.4 K**	**25.4 K**	**20.5 K**	**69.8 K**	**25.7 K**	**27.6 K**	**27.6 K**
Cobalt	MG/KG	35		5.4	22		**2.64**	**14.2**	**17.6**	**13.4**	**45.7**	**14.6**	**26.9**	**11.3**
Copper	MG/KG	4700	920	560	89		**45.4**	**41**	**22.3**	**24.1**	**763**	**24.8**	**21.6**	**28.1**
Lead	MG/KG	800	280		106		**14.3**	**17.1**	**20**	**16.7**	**147**	**32.1**	**19.1**	**23.8**
Mercury	MG/KG	35	2		4.1		**0.132**	**0.0233 J**	**0.0372 J**	**0.0320 J**	**18.4**	**0.0579 J**	**0.0324 J**	**0.0785 J**
Nickel	MG/KG	2200		520	26		**8.63**	**30.4**	**26.5**	**22.2**	**46.3**	**26**	**28.9**	**27.5**
Selenium	MG/KG	580	5.2	10.4	2.2		**1.12**	**0.117 J**	**0.200 J**	**0.187 J**	**0.864**	**0.523**	**0.227 J**	**0.609**
Silver	MG/KG	580		16	Not Calculated		<0.157	<0.165	<0.167	<0.179	**0.379 J**	<0.174	<0.172	<0.171
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.211**	**0.225**	**0.209**	**0.269**	**0.203**	**0.236**	**0.314**	**0.274**
Tin	MG/KG	70000		60000	Not Calculated		**2.72 B**	**2.80 B**	**2.91 B**	**2.85 B**	**5.38 B**	**3.67 B**	**2.86 B**	**3.22 B**
Vanadium	MG/KG	580		1720	67		**6.99 K**	**32.7 K**	**35.7 K**	**29.6 K**	**16.4 K**	**35.7 K**	**36.2 K**	**36.9 K**
Zinc	MG/KG	35000		7400	133		**16**	**86.5**	**82.4**	**79.8**	**123**	**105**	**93**	**98.1**

Table 5.19
RFI Soil Results – SWMUs 41A, 48, 73-76, 79, and 80
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU75-1	SWMU75-1	SWMU75-1	SWMU75-1	SWMU79-1	SWMU79-1	SWMU79-1	SWMU79-2
						Field Sample ID	28636839	28636840	28636841	28636842	28608629	28608630	28608631	28608626
						Sample Name	BEL-S-SWMU-75-1(3-4)	BEL-S-SWMU-75-1(7-8)	BEL-S-SWMU-75-1(10.5-11.5)	BEL-S-SWMU-75-1(24-25)	BEL-S-SWMU-79-1(3-4)	BEL-S-SWMU-79-1(7-8)	BEL-S-SWMU-79-1(14-15)	BEL-S-SWMU-79-2(8-9)
						Date Sampled	11/30/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012
						Start Depth - End Depth (ft)	3 - 4	7 - 8	10.5 - 11.5	24 - 25	3 - 4	7 - 8	14 - 15	8 - 9
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil
Pesticides														
Alpha-BHC	MG/KG	0.37		8.20E-04										
delta-BHC	MG/KG													
Endosulfan I	MG/KG	490		2.8										
Endrin Aldehyde	MG/KG	25	1.62	0.184										
2,4,5-T	MG/KG	820		1.34										
Miscellaneous														
Total Organic Carbon	MG/KG													
Ammonia	MG/KG						<95.5	**169**	**158**	**234**	**90.6 J**	**345**	**53.9 J**	**290**
Percent Moisture	%						**11**	**16.8**	**18.5**	**21.8**	**17.7**	**21.7**	**20.3**	**21.5**
Percent Moisture	% BY WT.													

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I - endosulfan
Endrin Aldehyde - endrin
3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (wh
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95
Grey Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.19
RFI Soil Results – SWMUs 41A, 48, 73-76, 79, and 80
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)							
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	SWMU79-2	SWMU79-2	SWMU80-3	SWMU80-3	SWMU80-3	SWMU80-3
						Field Sample ID	28608627	P4S-0513-SWMU-79-2-8-9	28605058	28605059	28605060	28605061
						Sample Name	BEL-S-SWMU-79-2(15-16)		BEL-S-SWMU80-3(3-4)	BEL-S-SWMU80-3(13-14)	BEL-S-SWMU80-3(25-26)	BEL-S-SWMU80-3(25-26)-DUP
						Date Sampled	11/30/2012	05/28/2013	11/30/2012	11/30/2012	11/30/2012	11/30/2012
						Start Depth - End Depth (ft)	15 - 16	8 - 9	3 - 4	13 - 14	25 - 26	25 - 26
						Sample Purpose	FS	FS	FS	FS	FS	DUP
						Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds												
Acetone	MG/KG	67000		58			**0.0080 J**	**0.13**	**0.031**	**0.0080 J**	<0.0070	<0.0070
Benzene	MG/KG	5.1	0.052	0.0046			<0.00050	**0.0030 J**	**0.01**	<0.00050	<0.00050	<0.00050
Carbon Disulfide	MG/KG	350		4.8			<0.0010	<0.0010	**0.0020 J**	<0.00090	<0.0010	<0.0010
Chloroform	MG/KG	1.4	0.44	0.00122			<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010
Formaldehyde	MG/KG	73		0.00174				**17**				
Methyl Ethyl Ketone	MG/KG	19000		24			**0.0040 J**	**0.087**	<0.0040	<0.0040	<0.0040	<0.0040
Methyl Isobutyl Ketone	MG/KG	5600		5.6			<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Methylene Chloride	MG/KG	320	0.026	0.058			<0.0020	**0.0030 J**	<0.0020	<0.0020	<0.0020	<0.0020
Toluene	MG/KG	4700	13.8	15.2			<0.0010	**0.0010 J**	**0.0030 J**	<0.00090 UL	<0.0010	<0.0010
Xylenes	MG/KG	250	196	3.8			<0.0010	<0.0010	<0.0010	<0.00090 UL	<0.0010	<0.0010
Semi-Volatile Organic Compounds												
2-Methylnaphthalene	MG/KG	300		3.8	0.47		<0.0040	<0.0040	**0.2700 J**	<0.0040	<0.0040	**0.0050 J**
4-Methylphenol (P-Cresol)	MG/KG	8200		30			<0.0210	<0.0210	<0.9100	<0.0210	<0.0210	<0.0220
Acenaphthene	MG/KG	4500		110	0.034		<0.0040	<0.0040	<0.1800	<0.0040	<0.0040	<0.0040
Acenaphthylene	MG/KG	4500			0.31		<0.0040	<0.0040	<0.1800	<0.0040	<0.0040	<0.0040
Acetophenone	MG/KG	12000		11.6			<0.0210	<0.0210	<0.9100	<0.0210	<0.0210	<0.0220
Anthracene	MG/KG	23000		1160	0.44		<0.0040	<0.0040	<0.1800	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		<0.0040	<0.0040	<0.1800	<0.0040	<0.0040	<0.0040
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		<0.0040	<0.0040	**0.2600 J**	<0.0040	**0.0050 J**	<0.0040
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		<0.0040	<0.0040	<0.1800	<0.0040	<0.0040	<0.0040
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		<0.0040	<0.0040	<0.1800	<0.0040	**0.0050 J**	<0.0040
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		<0.0040	<0.0040	<0.1800	<0.0040	<0.0040	<0.0040
Chrysene	MG/KG	290		24	1.5		<0.0040	<0.0040	<0.1800	<0.0040	<0.0040	<0.0040
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.0040	<0.0040	<0.1800	<0.0040	<0.0040	<0.0040
Dibenzofuran	MG/KG	100		3			<0.0210	<0.0210	<0.9100	<0.0210	<0.0210	<0.0220
Fluoranthene	MG/KG	3000		1780	1.9		<0.0040	<0.0040	**0.2200 J**	<0.0040	<0.0040	<0.0040
Fluorene	MG/KG	3000		108	0.085		<0.0040	<0.0040	<0.1800	<0.0040	<0.0040	<0.0040
Hexachlorobenzene	MG/KG	0.96	0.26	0.0024			<0.0040	<0.0040	<0.1800	<0.0040	<0.0040	<0.0040
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		<0.0040	<0.0040	<0.1800	<0.0040	<0.0040	<0.0040
Naphthalene	MG/KG	17		0.0108	1.2		<0.0040	<0.0040	**0.3000 J**	<0.0040	**0.0140 J**	**0.0070 J**
N-Nitroso-Di-N-Butylamine	MG/KG	0.43		1.10E-04			<0.0850	<0.0840	<3.6000	<0.0830	<0.0860	<0.0860
Phenanthrene	MG/KG	23000			0.87		**0.0120 J**	<0.0040	**0.3500 J**	<0.0040	**0.0050 J**	<0.0040
Phenol	MG/KG	25000		66			<0.0210	<0.0210	<0.9100	<0.0210	<0.0210	<0.0220
Pyrene	MG/KG	2300		260	1.5		**0.0040 J**	<0.0040	**0.2700 J**	<0.0040	<0.0040	<0.0040
Inorganics												
Antimony	MG/KG	47	5.4	7	1.4		**0.172 J**		**2.91**	**0.112 J**	**0.0962 J**	**0.191 J**
Arsenic	MG/KG	3	5.8	0.03	22		**12.6**		**9.03**	**8.01**	**6.24**	**8.64**
Barium	MG/KG	22000	1640	3200	262		**193**		**164**	**210**	**133**	**145**
Beryllium	MG/KG	230	64	380	2.2		**1.69**		**0.695**	**1.31**	**1.33**	**1.41**
Cadmium	MG/KG	98	7.6	13.8	1.4		**0.603 J**		**0.0927 J**	<0.0396	<0.0412	<0.0418
Chromium	MG/KG	180000	3600000	80000000	44		**28.9 K**		**132 K**	**22.2 K**	**22.9 K**	**24.8 K**
Cobalt	MG/KG	35		5.4	22		**14.4**		**11.5**	**16.5**	**13.9**	**14.7**
Copper	MG/KG	4700	920	560	89		**23.6**		**49.3**	**20.4**	**21.7**	**21.9**
Lead	MG/KG	800	280		106		**21.2**		**46**	**21.3**	**19.6**	**24.8**
Mercury	MG/KG	35	2		4.1		**0.0457 J**		**0.59**	**0.0461 J**	**0.0412 J**	**0.0448 J**
Nickel	MG/KG	2200		520	26		**31.1**		**27.6**	**26**	**23.7**	**24.8**
Selenium	MG/KG	580	5.2	10.4	2.2		**0.364 J**		**0.625**	**0.0991 J**	**0.205 J**	**0.290 J**
Silver	MG/KG	580		16	Not Calculated		<0.176		**0.461 J**	<0.168	<0.175	<0.177
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.288**		**0.117**	**0.234**	**0.219**	**0.329**
Tin	MG/KG	70000		60000	Not Calculated		**3.08 B**		**2.98 B**	**2.77 B**	**2.68 B**	**2.80 B**
Vanadium	MG/KG	580		1720	67		**41.2 K**		**13.2**	**34.7**	**31.9**	**33.5**
Zinc	MG/KG	35000		7400	133		**101**		**64.2**	**84.4**	**80.7**	**84.4**

Table 5.19
RFI Soil Results – SWMUs 41A, 48, 73-76, 79, and 80
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU79-2	SWMU79-2	SWMU80-3	SWMU80-3	SWMU80-3	SWMU80-3
						Field Sample ID	28608627	P4S-0513-SWMU-79-2-8-9	28605058	28605059	28605060	28605061
						Sample Name	BEL-S-SWMU-79-2(15-16)		BEL-S-SWMU80-3(3-4)	BEL-S-SWMU80-3(13-14)	BEL-S-SWMU80-3(25-26)	BEL-S-SWMU80-3(25-26)-DUP
						Date Sampled	11/30/2012	05/28/2013	11/30/2012	11/30/2012	11/30/2012	11/30/2012
						Start Depth - End Depth (ft)	15 - 16	8 - 9	3 - 4	13 - 14	25 - 26	25 - 26
						Sample Purpose	FS	FS	FS	FS	FS	DUP
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil
Pesticides												
Alpha-BHC	MG/KG	0.37		8.20E-04								
delta-BHC	MG/KG											
Endosulfan I	MG/KG	490		2.8								
Endrin Aldehyde	MG/KG	25	1.62	0.184								
2,4,5-T	MG/KG	820		1.34								
Miscellaneous												
Total Organic Carbon	MG/KG							**3450**				
Ammonia	MG/KG						**82.5**	**434**				
Percent Moisture	%						**21.9**	**20.4**	**8**	**19.9**	**22.2**	**22.6**
Percent Moisture	% BY WT.											

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I - endosulfan
Endrin Aldehyde - endrin
3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (wh
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95
Grey Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.20
RFI Groundwater Results – SWMUs 41A, 48, 73-76, 79, and 80
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	HP-4	HP-4
			EPA SL Tap Water	Federal MCL	Field Sample ID	7644883	7645118
					Date Sampled	09/27/2000	09/27/2000
					Sample Purpose	FS	DUP
Pesticides/Herbicides							
Phorate	N	UG/L	0.3			**0.62**	**0.63**
Alpha-BHC	N	UG/L	0.0071			**0.070 J**	<0.0022
beta-BHC	N	UG/L	0.025			<0.043	**0.0053 J**
delta-BHC	N	UG/L				<0.12	**0.024**
Lindane	N	UG/L	0.041	0.2		<0.043	**0.0032 J**
Heptachlor	N	UG/L	0.002	0.4		<0.043	**0.0086 J**
Silvex	N	UG/L	11	50		**0.042 J**	<0.011
2,4,5-T	N	UG/L	16			**0.153**	**0.013 J**
Endosulfan I	N	UG/L				<0.043	**0.0051 J**
Inorganics							
Barium	N	UG/L	380	2000		**225**	**230**
Selenium	N	UG/L	10	50		**2.10 B**	**1.30 B**
Zinc	N	UG/L	600			**9.00 B**	<8.60
Other							
Cyanide	N	UG/L	0.15	200		**4.50 J**	**8.9**
Sulfide	N	UG/L				**730 J**	**1240 J**

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
J-Analyte present; reported value may not be accurate or precise
B-Not detected substantially above the level reported in the laboratory or field blanks

Table 5.21
RFI Soil Results – SWMUs 64 and 67, MW-70, and the Methylene Dianiline Area
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historically Fill 95%UTL (3)	Location ID	HP-70	MDA-HP-3	MDA-HP-4	MW-70
						Field Sample ID	7645362	9441570	9441856	7648054
						Sample Name	BEL-S-HP-70(2.5-4)	BEL-S-MDA-HP-3 12-16	BEL-S-MDA-HP-4 1-3	BEL-S-MW-70
						Date Sampled	09/27/2000	12/13/2002	12/13/2002	10/05/2000
						Start Depth - End Depth (ft)	2.5 - 4	12 - 16	1 - 3	
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Fill
Volatile Organic Compounds										
Acetone	MG/KG	67000		58			<0.0110 UJ	**0.0320 J**	**0.0460**	**0.0240 J**
Benzene	MG/KG	5.1	0.052	0.0046			**0.0470 J**	<0.0020	**0.0320 J**	**0.0330**
Chloroform	MG/KG	1.4	0.44	0.00122			**0.0020 J**	<0.0020	<0.0010	<0.0020
Methyl Ethyl Ketone	MG/KG	19000		24			<0.0060 UJ	**0.0150 J**	<0.0050	<0.0080
Methyl Isobutyl Ketone	MG/KG	5600		5.6			<0.0050 UJ			**0.0060 J**
Methylene Chloride	MG/KG	320	0.026	0.058			<0.0030 UJ	<0.0040	<0.0020	**0.0070 J**
Tetrachloroethene	MG/KG	39	0.046	0.102			**0.0020 J**	<0.0020	<0.0010	<0.0020
Toluene	MG/KG	4700	13.8	15.2			**0.0030 J**	<0.0020	**0.0020 J**	<0.0020
Xylenes	MG/KG	250	196	3.8			**0.0070 J**	<0.0020	**0.0020 J**	**0.0030 J**
Semi-Volatile Organic Compounds										
2-Methylnaphthalene	MG/KG	300		3.8	0.47		<0.0410	<0.0590	**0.1100 J**	<0.0400
Acenaphthylene	MG/KG	4500			0.31		<0.0410	<0.0590	<0.0410	**0.0490 J**
Aniline	MG/KG	410		0.092			<0.0830	<0.0590	**0.3500 J**	<0.0810
Anthracene	MG/KG	23000		1160	0.44		<0.0410	<0.0590	**0.0990 J**	<0.0400
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		<0.0410	<0.0590	**0.2700 J**	<0.0400
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.0530 J**	<0.0590	**0.3800 J**	**0.0570 J**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		<0.0410	<0.0590	**0.1800 J**	<0.0400
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		<0.0410	<0.0590	**0.1600 J**	<0.0400
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		<0.0410	<0.0590	**0.2300 J**	<0.0400
Carbazole	MG/KG							<0.0590	**0.0580 J**	
Chrysene	MG/KG	290		24	1.5		**0.0500 J**	<0.0590	**0.3400 J**	<0.0400
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.0410	<0.0590	**0.0600 J**	<0.0400
Dibenzofuran	MG/KG	100		3			<0.0410	<0.0590	**0.0540 J**	<0.0400
Fluoranthene	MG/KG	3000		1780	1.9		**0.0990 J**	<0.0590	**0.56**	**0.1000 J**
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		<0.0410	<0.0590	**0.1900 J**	<0.0400
Naphthalene	MG/KG	17		0.0108	1.2		**0.0430 J**	<0.0590	**0.0790 J**	<0.0400
Phenanthrene	MG/KG	23000			0.87		**0.1000 J**	<0.0590	**0.49**	<0.0400
Pyrene	MG/KG	2300		260	1.5		**0.1100 J**	<0.0590	**0.52**	<0.0400
Pesticides and Herbicides										
4,4'-DDD	MG/KG	9.6		0.144			<0.00320			**0.000820 B**
4,4'-DDE	MG/KG	6.8		1.08			<0.00320			**0.000280 J**
delta-BHC	MG/KG						<0.00170			**0.0001600 J**
Endrin	MG/KG	25	1.62	1.84			<0.00320			**0.000250 J**
Heptachlor	MG/KG	0.51	0.66	0.0032			<0.00170			**0.0001660 J**
2,4,5-T	MG/KG	820		1.34			<0.00410			**0.001670 J**

Table 5.21
RFI Soil Results – SWMUs 64 and 67, MW-70, and the Methylene Dianiline Area
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historically Fill 95%UTL (3)	Location ID	HP-70	MDA-HP-3	MDA-HP-4	MW-70
						Field Sample ID	7645362	9441570	9441856	7648054
						Sample Name	BEL-S-HP-70(2.5-4)	BEL-S-MDA-HP-3 12-16	BEL-S-MDA-HP-4 1-3	BEL-S-MW-70
						Date Sampled	09/27/2000	12/13/2002	12/13/2002	10/05/2000
						Start Depth - End Depth (ft)	2.5 - 4	12 - 16	1 - 3	
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Fill
Inorganics										
Arsenic	MG/KG	3	5.8	0.03	22		**8.6**	**14.7**	**6.5**	**6.7 L**
Barium	MG/KG	22000	1640	3200	262		**46.7**	**77.3**	**221**	**42**
Beryllium	MG/KG	230	64	380	2.2		**0.32 J**			**0.37 J**
Cadmium	MG/KG	98	7.6	13.8	1.4		<0.27	**0.77**	**1.2**	<0.27
Chromium	MG/KG	180000	3600000	80000000	44		**192**	**21.5**	**35**	**11.8**
Cobalt	MG/KG	35		5.4	22		**3.0 J**			**1.7 J**
Copper	MG/KG	4700	920	560	89		**59.1**			**193**
Iron	MG/KG	82000		7000				**11600 K**	**13300 K**	
Lead	MG/KG	800	280		106		**93.1**	**6.5**	**265**	**66.3 J**
Manganese	MG/KG	2600		560				**85.3**	**107**	
Mercury	MG/KG	35	2		4.1		**24**	<0.018	**78**	**33.7**
Nickel	MG/KG	2200		520	26		**7.5**			**3.2 J**
Selenium	MG/KG	580	5.2	10.4	2.2		**1.0 J**	**2.5**	**0.79 J**	**0.82 J**
Silver	MG/KG	580		16	Not Calculated		**2.0 J**	<0.17	**3.3**	**0.61 J**
Tin	MG/KG	70000		60000	Not Calculated		<4.6			**6.3 J**
Vanadium	MG/KG	580		1720	67		**8.9**			**6.8**
Zinc	MG/KG	35000		7400	133		**14.1**			**7.7 J**
Miscellaneous										
Total Organic Carbon	MG/KG							**64000 J**	**229000 J**	
Cyanide	MG/KG	13	40	0.3			**0.3200 J**			**0.2500 J**
Percent Moisture	%							**44**	**18.8**	
Percent Moisture	% BY WT.						**19.7**			**17.7**

Footnotes:
1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
UJ-Not detected; reporting limit may not be accurate or precise

Table 5.22
RFI Groundwater Results – SWMUs 64 and 67, MW-70, and the Methylene Dianiline Area
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	HP-70	HP-70	MDA-1	MDA-3	MDA-4	MDA-5	MDA-5
						Field Sample ID	7645603	7645843	GW1113-MDA-1	GW1113-MDA-3	GW1113-MDA-4	GW1113-MDA-5	GW1113-MDA-5-D
						Sample Name	BEL-G-HP-70	BEL-G-HP-70-DIS					
						Date Sampled	09/27/2000	09/27/2000	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013
				EPA SL Tap Water	Federal MCL	Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
Volatile Organic Compounds													
2-Propanol	67-63-0	N	UG/L	4000									
Acetone	67-64-1	N	UG/L	1400			**17 J**		<6	<6	<6	<6	<6
Benzene	71-43-2	N	UG/L	0.45	5		**260**		**0.5 J**	<0.5	**0.6 J**	**0.6 J**	<0.5
Carbon Tetrachloride	56-23-5	N	UG/L	0.45	5		<1		<1	**100**	**4 J**	**3 J**	**3 J**
Chloroform	67-66-3	N	UG/L	0.22	80		<1		<0.8	**77**	**3 J**	**2 J**	**2 J**
Formaldehyde	50-00-0	N	UG/L	0.43									
Methyl Ethyl Ketone	78-93-3	N	UG/L	560			**16**		<3	<3	<3	<3	<3
Semi-Volatile Organic Compounds													
2-Methylnaphthalene	91-57-6	N	UG/L	3.6			<1		**0.6**	**0.9 J**	**0.1 J**	**0.8 J**	**1 J**
4,4'-Methylenedianiline	101-77-9	N	UG/L	0.047									
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L	190			<3		**1**	<3	<0.5	<3	<3
Acenaphthene	83-32-9	N	UG/L	53			<1		**0.4 J**	<0.5	<0.1	<0.5	<0.5
Acenaphthylene	208-96-8	N	UG/L	53			<1		**0.5 J**	<0.5	<0.1	<0.5	<0.5
Acetophenone	98-86-2	N	UG/L	190			<1		<0.6	<3	<0.5	<3	<3
Aniline	62-53-3	N	UG/L	13			**410**		<0.6	<3	**2**	<3	<3
Anthracene	120-12-7	N	UG/L	180			<1		**0.4 J**	<0.5	<0.1	<0.5	<0.5
Benzo(A)Anthracene	56-55-3	N	UG/L	0.012			<1		**2**	**1 J**	**0.3 J**	<0.5	**0.8 J**
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.034			<1		**2**	**2 J**	**0.5**	**0.6 J**	**0.8 J**
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	12			<1		**1**	**1 J**	**0.3 J**	<0.5	**0.6 J**
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.34			<1		**0.9**	**0.9 J**	**0.2 J**	<0.5	<0.5
Benzo[A]Pyrene	50-32-8	N	UG/L	0.0034	0.2		<1		**2**	**2 J**	**0.4 J**	<0.5	**0.8 J**
Chrysene	218-01-9	N	UG/L	3.4			<1		**2**	**2 J**	**0.3 J**	**0.6 J**	**0.9 J**
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.0034			<1		**0.3 J**	<0.5	<0.1	<0.5	<0.5
Fluoranthene	206-44-0	N	UG/L	80			<1		**2**	**2 J**	**0.4 J**	**0.6 J**	**0.8 J**
Fluorene	86-73-7	N	UG/L	29			<1		**0.2 J**	<0.5	<0.1	<0.5	<0.5
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.034			<1		**1**	**1 J**	**0.2 J**	<0.5	**0.5 J**
Naphthalene	91-20-3	N	UG/L	0.17			<1		**5**	**1 J**	**0.2 J**	**0.7 J**	**1 J**
O-Toluidine	95-53-4	N	UG/L				**4 J**		<0.6	<3	<0.5	<3	<3
Parathion	56-38-2	N	UG/L	8.6			<0.20						
Phenanthrene	85-01-8	N	UG/L	180			<1		**1**	**1 J**	**0.2 J**	**0.8 J**	**1 J**
Phenol	108-95-2	N	UG/L	580			**3 J**		**0.6 J**	<3	<0.5	<3	<3
Pyrene	129-00-0	N	UG/L	12			<1		**2**	**2 J**	**0.4 J**	**0.6 J**	**0.7 J**
Pesticides and Herbicides													
Aldrin	309-00-2	N	UG/L	0.0046			**0.064 J**						
Alpha-BHC	319-84-6	N	UG/L	0.0071			**0.072 J**						
beta-BHC	319-85-7	N	UG/L	0.025			<0.039						
delta-BHC	319-86-8	N	UG/L				**0.11 J**						
Dieldrin	60-57-1	N	UG/L	0.0017			<0.078						
Disulfoton	298-04-4	N	UG/L	0.05			**1.02 J**						
Endosulfan I	959-98-8	N	UG/L	10			<0.039						
Endrin	72-20-8	N	UG/L	0.23	2		**0.088 J**						
Heptachlor	76-44-8	N	UG/L	0.002	0.4		<0.039						
Lindane	58-89-9	N	UG/L	0.041	0.2		**0.058 J**						
2,4,5-T	93-76-5	N	UG/L	16			**0.043 J**						
2,4-Dichlorophenoxyacetic Acid	94-75-7	N	UG/L	17	70		**1.27 J**						
Inorganics													
Antimony	7440-36-0	N	UG/L	0.78	6		<0.76 UL						
Antimony	7440-36-0	Y	UG/L	0.78	6			<0.76 UL					
Arsenic	7440-38-2	N	UG/L	0.052	10		**9.7 J**						
Arsenic	7440-38-2	Y	UG/L	0.052	10			**10.5**					
Barium	7440-39-3	N	UG/L	380	2000		**218**						
Barium	7440-39-3	Y	UG/L	380	2000			**73.8 J**					
Beryllium	7440-41-7	N	UG/L	2.5	4		<1.9						

Table 5.22
RFI Groundwater Results – SWMUs 64 and 67, MW-70, and the Methylene Dianiline Area
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	HP-70	HP-70	MDA-1	MDA-3	MDA-4	MDA-5	MDA-5
						Field Sample ID	7645603	7645843	GW1113-MDA-1	GW1113-MDA-3	GW1113-MDA-4	GW1113-MDA-5	GW1113-MDA-5-D
						Sample Name	BEL-G-HP-70	BEL-G-HP-70-DIS					
				EPA SL Tap Water	Federal MCL	Date Sampled	09/27/2000	09/27/2000	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013
						Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
Beryllium	7440-41-7	Y	UG/L	2.5	4			<1.9					
Cadmium	7440-43-9	N	UG/L	0.92	5		<3.6						
Cadmium	7440-43-9	Y	UG/L	0.92	5			<3.6					
Chromium	7440-47-3	N	UG/L	2200	100		**54.8**						
Chromium	7440-47-3	Y	UG/L	2200	100			**26.0 J**					
Cobalt	7440-48-4	N	UG/L	0.6			**10.1 J**						
Cobalt	7440-48-4	Y	UG/L	0.6				**7.4 J**					
Copper	7440-50-8	N	UG/L	80	1300		**293**						
Copper	7440-50-8	Y	UG/L	80	1300			**72.4**					
Iron	7439-89-6	N	UG/L	1400									
Iron	7439-89-6	Y	UG/L	1400									
Lead	7439-92-1	N	UG/L	15	15		**38**						
Lead	7439-92-1	Y	UG/L	15	15			**8**					
Manganese	7439-96-5	N	UG/L	43									
Manganese	7439-96-5	Y	UG/L	43									
Mercury	7439-97-6	N	UG/L	0.063	2		**2.1**						
Mercury	7439-97-6	Y	UG/L	0.063	2			**0.83**					
Nickel	7440-02-0	N	UG/L	39			**34.6 J**						
Nickel	7440-02-0	Y	UG/L	39				**16.5 J**					
Selenium	7782-49-2	N	UG/L	10	50		**3.4 B**						
Selenium	7782-49-2	Y	UG/L	10	50			<1.3					
Silver	7440-22-4	N	UG/L	9.4			<3.6						
Silver	7440-22-4	Y	UG/L	9.4				<3.6					
Thallium	7440-28-0	N	UG/L	0.02	2		**4.0 J**						
Thallium	7440-28-0	Y	UG/L	0.02	2			<0.20					
Vanadium	7440-62-2	N	UG/L	8.6			**19.4 J**						
Vanadium	7440-62-2	Y	UG/L	8.6				**18.5 J**					
Zinc	7440-66-6	N	UG/L	600			**99**						
Zinc	7440-66-6	Y	UG/L	600				**25 B**					
Miscellaneous													
Alkalinity, Bicarb. As CaCO3 At pH 4.5	EVS0036	N	UG/L										
Nitrate	14797-55-8	N	UG/L	3200	10000								
Total Kjeldahl Nitrogen	C021	N	UG/L										
Total Organic Carbon	C012	N	UG/L										
Chloride	16887-00-6	N	UG/L										
Cyanide	57-12-5	N	UG/L	0.15	200		**193**						
Phosphorus	7723-14-0	N	UG/L	0.04									
Sulfate	14808-79-8	N	UG/L										
Sulfide	18496-25-8	N	UG/L				**2400**						

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UL-Not detected; reporting limit is expected to be higher

Table 5.22
RFI Groundwater Results – SWMUs 64 and 67, MW-70, and the Methylene Dianiline Area
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	MDA-HP-1	MDA-HP-1	MDA-HP-2	MDA-HP-2	MDA-HP-3	MDA-HP-3
						Field Sample ID	9441258	9441271	9441414	9441427	9441700	9441713
						Sample Name	BEL-G-MDA-HP-1-DIS	BEL-G-MDA-HP-1	BEL-G-MDA-HP-2-DIS	BEL-G-MDA-HP-2	BEL-G-MDA-HP-3-DIS	BEL-G-MDA-HP-3
						Date Sampled	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002
				EPA SL Tap Water	Federal MCL	Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds												
2-Propanol	67-63-0	N	UG/L	4000								
Acetone	67-64-1	N	UG/L	1400				**7 J**		**7 J**		<6
Benzene	71-43-2	N	UG/L	0.45	5			<0.5		<0.5		<0.5
Carbon Tetrachloride	56-23-5	N	UG/L	0.45	5			<1		<1		<1
Chloroform	67-66-3	N	UG/L	0.22	80			<0.8		<0.8		<0.8
Formaldehyde	50-00-0	N	UG/L	0.43								
Methyl Ethyl Ketone	78-93-3	N	UG/L	560				**6 J**		**4 J**		<3
Semi-Volatile Organic Compounds												
2-Methylnaphthalene	91-57-6	N	UG/L	3.6				<1		<1		<1
4,4'-Methylenedianiline	101-77-9	N	UG/L	0.047								
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L	190				<2		<2		<2
Acenaphthene	83-32-9	N	UG/L	53				<1		<1		<1
Acenaphthylene	208-96-8	N	UG/L	53				<1		<1		<1
Acetophenone	98-86-2	N	UG/L	190				<2		**5 J**		**5 J**
Aniline	62-53-3	N	UG/L	13				<1		<1		<1
Anthracene	120-12-7	N	UG/L	180				<1		<1		<1
Benzo(A)Anthracene	56-55-3	N	UG/L	0.012				<1		<1		<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.034				<1		<1		<1
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	12				<1		<1		<1
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.34				<1		<1		<1
Benzo[A]Pyrene	50-32-8	N	UG/L	0.0034	0.2			<1		<1		<1
Chrysene	218-01-9	N	UG/L	3.4				<1		<1		<1
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.0034				<1		<1		<1
Fluoranthene	206-44-0	N	UG/L	80				<1		<1		<1
Fluorene	86-73-7	N	UG/L	29				<1		<1		<1
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.034				<1		<1		<1
Naphthalene	91-20-3	N	UG/L	0.17				**2 J**		<1		<1
O-Toluidine	95-53-4	N	UG/L									
Parathion	56-38-2	N	UG/L	8.6								
Phenanthrene	85-01-8	N	UG/L	180				**2 J**		<1		<1
Phenol	108-95-2	N	UG/L	580				<1 UL		<1 UL		<1 UL
Pyrene	129-00-0	N	UG/L	12				<1		<1		<1
Pesticides and Herbicides												
Aldrin	309-00-2	N	UG/L	0.0046								
Alpha-BHC	319-84-6	N	UG/L	0.0071								
beta-BHC	319-85-7	N	UG/L	0.025								
delta-BHC	319-86-8	N	UG/L									
Dieldrin	60-57-1	N	UG/L	0.0017								
Disulfoton	298-04-4	N	UG/L	0.05								
Endosulfan I	959-98-8	N	UG/L	10								
Endrin	72-20-8	N	UG/L	0.23	2							
Heptachlor	76-44-8	N	UG/L	0.002	0.4							
Lindane	58-89-9	N	UG/L	0.041	0.2							
2,4,5-T	93-76-5	N	UG/L	16								
2,4-Dichlorophenoxyacetic Acid	94-75-7	N	UG/L	17	70							
Inorganics												
Antimony	7440-36-0	N	UG/L	0.78	6							
Antimony	7440-36-0	Y	UG/L	0.78	6							
Arsenic	7440-38-2	N	UG/L	0.052	10			<4.9		<4.9		**6.9 J**
Arsenic	7440-38-2	Y	UG/L	0.052	10		<4.9		**5.8 J**		**6.1 J**	
Barium	7440-39-3	N	UG/L	380	2000			**50.6**		**97.4**		**108**
Barium	7440-39-3	Y	UG/L	380	2000		**38.7**		**96.2**		**105**	
Beryllium	7440-41-7	N	UG/L	2.5	4							

Table 5.22
RFI Groundwater Results – SWMUs 64 and 67, MW-70, and the Methylene Dianiline Area
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	MDA-HP-1	MDA-HP-1	MDA-HP-2	MDA-HP-2	MDA-HP-3	MDA-HP-3
				EPA SL Tap Water	Federal MCL	Field Sample ID	9441258	9441271	9441414	9441427	9441700	9441713
						Sample Name	BEL-G-MDA-HP-1-DIS	BEL-G-MDA-HP-1	BEL-G-MDA-HP-2-DIS	BEL-G-MDA-HP-2	BEL-G-MDA-HP-3-DIS	BEL-G-MDA-HP-3
						Date Sampled	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002
						Sample Purpose	FS	FS	FS	FS	FS	FS
Beryllium	7440-41-7	Y	UG/L	2.5	4							
Cadmium	7440-43-9	N	UG/L	0.92	5			<0.94		<0.94		<0.94
Cadmium	7440-43-9	Y	UG/L	0.92	5		<0.94		<0.94		<0.94	
Chromium	7440-47-3	N	UG/L	2200	100			**5.3**		**7**		**2.4 J**
Chromium	7440-47-3	Y	UG/L	2200	100		**2.7 B**		<2.0		<2.0	
Cobalt	7440-48-4	N	UG/L	0.6								
Cobalt	7440-48-4	Y	UG/L	0.6								
Copper	7440-50-8	N	UG/L	80	1300							
Copper	7440-50-8	Y	UG/L	80	1300							
Iron	7439-89-6	N	UG/L	1400				**2640**		**1210**		**824**
Iron	7439-89-6	Y	UG/L	1400			**77.6 J**		**592**		**576**	
Lead	7439-92-1	N	UG/L	15	15			<8.9		**9.2 J**		<8.9
Lead	7439-92-1	Y	UG/L	15	15		<8.9		<8.9		<8.9	
Manganese	7439-96-5	N	UG/L	43				**320**		**492**		**611**
Manganese	7439-96-5	Y	UG/L	43			**294**		**488**		**630**	
Mercury	7439-97-6	N	UG/L	0.063	2			<0.079		<0.079		<0.079
Mercury	7439-97-6	Y	UG/L	0.063	2		<0.079		<0.079		<0.079	
Nickel	7440-02-0	N	UG/L	39								
Nickel	7440-02-0	Y	UG/L	39								
Selenium	7782-49-2	N	UG/L	10	50			<4.8		<4.8		<4.8
Selenium	7782-49-2	Y	UG/L	10	50		<4.8		**5.2 J**		<4.8	
Silver	7440-22-4	N	UG/L	9.4				<1.4		<1.4		<1.4
Silver	7440-22-4	Y	UG/L	9.4			**1.6 J**		**1.5 J**		<1.4	
Thallium	7440-28-0	N	UG/L	0.02	2							
Thallium	7440-28-0	Y	UG/L	0.02	2							
Vanadium	7440-62-2	N	UG/L	8.6								
Vanadium	7440-62-2	Y	UG/L	8.6								
Zinc	7440-66-6	N	UG/L	600								
Zinc	7440-66-6	Y	UG/L	600								
Miscellaneous												
Alkalinity, Bicarb. As CaCO3 At pH 4.5	EVS0036	N	UG/L					**534000**		**237000**		**236000**
Nitrate	14797-55-8	N	UG/L	3200	10000			<400 UL		**4610 L**		**470 J**
Total Kjeldahl Nitrogen	C021	N	UG/L					**2100**		**2700**		**7700**
Total Organic Carbon	C012	N	UG/L					**15400**		**5170**		**3650**
Chloride	16887-00-6	N	UG/L					**174000**		**90300**		**54100**
Cyanide	57-12-5	N	UG/L	0.15	200							
Phosphorus	7723-14-0	N	UG/L	0.04				**4500**		**2180**		**117**
Sulfate	14808-79-8	N	UG/L					<1500		**29400**		**35600**
Sulfide	18496-25-8	N	UG/L					**13100**		<530		<530

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UL-Not detected; reporting limit is expected to be higher

Table 5.22
RFI Groundwater Results – SWMUs 64 and 67, MW-70, and the Methylene Dianiline Area
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	MDA-HP-4	MDA-HP-4	MW-70-SO	MW-70-SO
						Field Sample ID	9441986	9441999	GWRFI-14-MW-70-SO	GWRFI-14-MW-70-SO-Z
						Sample Name	BEL-G-MDA-HP-4-DIS	BEL-G-MDA-HP-4		
						Date Sampled	12/13/2002	12/13/2002	11/19/2014	11/19/2014
				EPA SL Tap Water	Federal MCL	Sample Purpose	FS	FS	FS	FS
Volatile Organic Compounds										
2-Propanol	67-63-0	N	UG/L	4000						
Acetone	67-64-1	N	UG/L	1400				**8 J**	<6	
Benzene	71-43-2	N	UG/L	0.45	5			**3 J**	**8**	
Carbon Tetrachloride	56-23-5	N	UG/L	0.45	5			<1	<0.5	
Chloroform	67-66-3	N	UG/L	0.22	80			<0.8	<0.5	
Formaldehyde	50-00-0	N	UG/L	0.43					**81 B**	
Methyl Ethyl Ketone	78-93-3	N	UG/L	560				**7 J**	<3	
Semi-Volatile Organic Compounds										
2-Methylnaphthalene	91-57-6	N	UG/L	3.6				<1	<0.1	
4,4'-Methylenedianiline	101-77-9	N	UG/L	0.047						
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L	190				<2	<0.5	
Acenaphthene	83-32-9	N	UG/L	53				<1	<0.1	
Acenaphthylene	208-96-8	N	UG/L	53				<1	<0.1	
Acetophenone	98-86-2	N	UG/L	190				**7 J**	<0.5	
Aniline	62-53-3	N	UG/L	13				**1 J**	<0.5	
Anthracene	120-12-7	N	UG/L	180				<1	<0.1	
Benzo(A)Anthracene	56-55-3	N	UG/L	0.012				<1	<0.1	
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.034				<1	<0.1	
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	12				<1	<0.1	
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.34				<1	<0.1	
Benzo[A]Pyrene	50-32-8	N	UG/L	0.0034	0.2			<1	<0.1	
Chrysene	218-01-9	N	UG/L	3.4				<1	<0.1	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.0034				<1	<0.1	
Fluoranthene	206-44-0	N	UG/L	80				<1	<0.1	
Fluorene	86-73-7	N	UG/L	29				<1	<0.1	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.034				<1	<0.1	
Naphthalene	91-20-3	N	UG/L	0.17				<1	<0.1	
O-Toluidine	95-53-4	N	UG/L						<0.5	
Parathion	56-38-2	N	UG/L	8.6						
Phenanthrene	85-01-8	N	UG/L	180				<1	<0.1	
Phenol	108-95-2	N	UG/L	580				<1 UL	<0.5	
Pyrene	129-00-0	N	UG/L	12				<1	<0.1	
Pesticides and Herbicides										
Aldrin	309-00-2	N	UG/L	0.0046						
Alpha-BHC	319-84-6	N	UG/L	0.0071						
beta-BHC	319-85-7	N	UG/L	0.025						
delta-BHC	319-86-8	N	UG/L							
Dieldrin	60-57-1	N	UG/L	0.0017						
Disulfoton	298-04-4	N	UG/L	0.05						
Endosulfan I	959-98-8	N	UG/L	10						
Endrin	72-20-8	N	UG/L	0.23	2					
Heptachlor	76-44-8	N	UG/L	0.002	0.4					
Lindane	58-89-9	N	UG/L	0.041	0.2					
2,4,5-T	93-76-5	N	UG/L	16						
2,4-Dichlorophenoxyacetic Acid	94-75-7	N	UG/L	17	70					
Inorganics										
Antimony	7440-36-0	N	UG/L	0.78	6				<0.33	
Antimony	7440-36-0	Y	UG/L	0.78	6					<0.33
Arsenic	7440-38-2	N	UG/L	0.052	10			<4.9	**1.0 J**	
Arsenic	7440-38-2	Y	UG/L	0.052	10		<4.9			**1.3 J**
Barium	7440-39-3	N	UG/L	380	2000			**137**	**98**	
Barium	7440-39-3	Y	UG/L	380	2000		**95.5**			**97**
Beryllium	7440-41-7	N	UG/L	2.5	4				<0.67	

Table 5.22
RFI Groundwater Results – SWMUs 64 and 67, MW-70, and the Methylene Dianiline Area
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	MDA-HP-4	MDA-HP-4	MW-70-SO	MW-70-SO
						Field Sample ID	9441986	9441999	GWRFI-14-MW-70-SO	GWRFI-14-MW-70-SO-Z
						Sample Name	BEL-G-MDA-HP-4-DIS	BEL-G-MDA-HP-4		
						Date Sampled	12/13/2002	12/13/2002	11/19/2014	11/19/2014
				EPA SL Tap Water	Federal MCL	Sample Purpose	FS	FS	FS	FS
Beryllium	7440-41-7	Y	UG/L	2.5	4					<0.67
Cadmium	7440-43-9	N	UG/L	0.92	5			<0.94	<0.33	
Cadmium	7440-43-9	Y	UG/L	0.92	5		<0.94			<0.33
Chromium	7440-47-3	N	UG/L	2200	100			**8.9**	**25.2**	
Chromium	7440-47-3	Y	UG/L	2200	100		**2.2 B**			**2.9 J**
Cobalt	7440-48-4	N	UG/L	0.6					<1.0	
Cobalt	7440-48-4	Y	UG/L	0.6						<1.0
Copper	7440-50-8	N	UG/L	80	1300				**26.1**	
Copper	7440-50-8	Y	UG/L	80	1300					<2.8
Iron	7439-89-6	N	UG/L	1400				**1900**		
Iron	7439-89-6	Y	UG/L	1400			**313**			
Lead	7439-92-1	N	UG/L	15	15			**11.5 J**	**2.2**	
Lead	7439-92-1	Y	UG/L	15	15		<8.9			<0.082
Manganese	7439-96-5	N	UG/L	43				**357**		
Manganese	7439-96-5	Y	UG/L	43			**316**			
Mercury	7439-97-6	N	UG/L	0.063	2			**0.081 B**	**0.2**	
Mercury	7439-97-6	Y	UG/L	0.063	2		<0.079			<0.060
Nickel	7440-02-0	N	UG/L	39					<1.6	
Nickel	7440-02-0	Y	UG/L	39						<1.6
Selenium	7782-49-2	N	UG/L	10	50			<4.8	<0.50	
Selenium	7782-49-2	Y	UG/L	10	50		<4.8			<0.50
Silver	7440-22-4	N	UG/L	9.4				<1.4	<1.8	
Silver	7440-22-4	Y	UG/L	9.4			<1.4			<1.8
Thallium	7440-28-0	N	UG/L	0.02	2				<0.15	
Thallium	7440-28-0	Y	UG/L	0.02	2					<0.15
Vanadium	7440-62-2	N	UG/L	8.6					**2.5 J**	
Vanadium	7440-62-2	Y	UG/L	8.6						<1.9
Zinc	7440-66-6	N	UG/L	600					**21.4 B**	
Zinc	7440-66-6	Y	UG/L	600						**11.5 B**
Miscellaneous										
Alkalinity, Bicarb. As CaCO3 At pH 4.5	EVS0036	N	UG/L					**359000**		
Nitrate	14797-55-8	N	UG/L	3200	10000			<400 UL		
Total Kjeldahl Nitrogen	C021	N	UG/L					<300		
Total Organic Carbon	C012	N	UG/L					**10500**		
Chloride	16887-00-6	N	UG/L					**163000**		
Cyanide	57-12-5	N	UG/L	0.15	200					
Phosphorus	7723-14-0	N	UG/L	0.04				**293**		
Sulfate	14808-79-8	N	UG/L					**42900**		
Sulfide	18496-25-8	N	UG/L					<530		

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UL-Not detected; reporting limit is expected to be higher

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU190-1	SWMU190-2	SWMU192-1	SWMU192-1
						Field Sample ID	BEL-S-SWMU190-1	BEL-S-SWMU190-2	28909116	28909117
						Sample Name			BEL-S-SWMU192-1(0.5-1)	BEL-S-SWMU192-1(21-22)
						Date Sampled	05/08/2013	05/08/2013	02/22/2013	02/22/2013
						Start Depth - End Depth (ft)			0.5 - 1	21 - 22
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Sediment	Sediment	Fill	Native Soil
Volatile Organic Compounds										
1,2-Dichlorobenzene	MG/KG	930	11.6	6			<0.001	<0.001	<0.001	<0.0009
1,4-Dichlorobenzene	MG/KG	11	1.44	0.0092			<0.001	<0.001	<0.001	<0.0009
Acetone	MG/KG	67000		58			<0.009	<0.009	**0.037**	**0.008 J**
Benzene	MG/KG	5.1	0.052	0.0046			**0.0009 J**	**0.0008 J**	**0.001 J**	<0.0005
Carbon Disulfide	MG/KG	350		4.8			**0.002 J**	**0.003 J**	**0.004 J**	**0.002 J**
Carbon Tetrachloride	MG/KG	2.9	0.038	0.0036			<0.001	<0.001	**0.014**	<0.0009
Chlorobenzene	MG/KG	130	1.36	1.06			<0.001	<0.001	<0.001	<0.0009
Chloroform	MG/KG	1.4	0.44	0.00122			<0.001	<0.001	**0.004 J**	<0.0009
Ethylbenzene	MG/KG	25	15.6	0.034			<0.001	<0.001	<0.001	<0.0009
Formaldehyde	MG/KG	73		0.00174					**1.9 J**	**7.2**
Methyl Ethyl Ketone	MG/KG	19000		24			<0.005	<0.005	<0.006	<0.004
Methyl Methacrylate	MG/KG	1900		6			<0.001	<0.001	<0.001	<0.0009
Methylene Chloride	MG/KG	320	0.026	0.058			<0.002	<0.003	<0.003	**0.003 J**
Tetrachloroethene	MG/KG	39	0.046	0.102			<0.001	<0.001	<0.001	<0.0009
Toluene	MG/KG	4700	13.8	15.2			<0.001	<0.001	<0.001	<0.0009
Xylenes	MG/KG	250	196	3.8			<0.001	<0.001	<0.001	<0.0009
Semi-Volatile Organic Compounds										
1-Methylnaphthalene	MG/KG	73		0.116	0.35					
2,4-Dimethylphenol	MG/KG	1600		8.4			<0.024	<0.022	<0.018	<0.019
2,4-Dinitrophenol	MG/KG	160		0.88			<0.43	<0.400	<0.33	<0.35
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.17**	**0.31**	**0.19**	**0.004 J**
2-Methylphenol (O-Cresol)	MG/KG	4100		15			<0.024	<0.022	<0.018	<0.019
4-Methylphenol (P-Cresol)	MG/KG	8200		30			**0.037 J**	**0.041 J**	<0.018	<0.019
Acenaphthene	MG/KG	4500		110	0.034		**0.029**	**0.14**	<0.004	<0.004
Acenaphthylene	MG/KG	4500			0.31		**0.035**	**0.04**	**0.059**	<0.004
Acetophenone	MG/KG	12000		11.6			<0.024	<0.022	**0.0320 J**	<0.019
Anthracene	MG/KG	23000		1160	0.44		**0.049**	**0.06**	**0.11**	<0.004
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.13**	**0.14**	**0.43**	<0.004
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.16**	**0.16**	**0.82**	**0.005 J**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.11**	**0.094**	**0.35**	<0.004
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.071**	**0.051**	**0.29**	**0.005 J**
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.12**	**0.094**	**0.44**	<0.004
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26			<0.095	<0.089	<0.072	<0.077
Butyl Benzyl Phthalate	MG/KG	1200		4.6			<0.095	<0.089	<0.072	<0.077
Chrysene	MG/KG	290		24	1.5		**0.14**	**0.13**	**0.46**	**0.005 J**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.0170 J**	**0.024**	**0.093**	<0.004
Dibenzofuran	MG/KG	100		3			**0.066**	**0.13**	**0.086**	<0.019
Di-N-Butyl Phthalate	MG/KG	8200		46			<0.095	<0.089	<0.072	<0.077
Fluoranthene	MG/KG	3000		1780	1.9		**0.24**	**0.28**	**0.82**	**0.006 J**
Fluorene	MG/KG	3000		108	0.085		**0.032**	**0.076**	<0.004	<0.004
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.087**	**0.071**	**0.28**	<0.004
Naphthalene	MG/KG	17		0.0108	1.2		**0.17**	**0.42**	**0.18**	**0.005 J**
Phenanthrene	MG/KG	23000			0.87		**0.19**	**0.28**	**0.55**	**0.006 J**
Pyrene	MG/KG	2300		260	1.5		**0.23**	**0.25**	**0.68**	**0.006 J**

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
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Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU190-1	SWMU190-2	SWMU192-1	SWMU192-1
						Field Sample ID	BEL-S-SWMU190-1	BEL-S-SWMU190-2	28909116	28909117
						Sample Name			BEL-S-SWMU192-1(0.5-1)	BEL-S-SWMU192-1(21-22)
						Date Sampled	05/08/2013	05/08/2013	02/22/2013	02/22/2013
						Start Depth - End Depth (ft)			0.5 - 1	21 - 22
						Sample Purpose	FS	FS	FS	FS
						Fill or Native Soil	Sediment	Sediment	Fill	Native Soil
Inorganics										
Antimony	MG/KG	47	5.4	7	1.4				**1.41**	<0.0759
Arsenic	MG/KG	3	5.8	0.03	22				**20.2**	**4.09**
Barium	MG/KG	22000	1640	3200	262				**95**	**63.3**
Beryllium	MG/KG	230	64	380	2.2				**0.818**	**0.902**
Cadmium	MG/KG	98	7.6	13.8	1.4				**1.66**	<0.038
Chromium	MG/KG	180000	3600000	80000000	44				**36.4**	**11.7**
Cobalt	MG/KG	35		5.4	22				**6.29**	**8.04**
Copper	MG/KG	4700	920	560	89				**299 L**	**15.5 L**
Lead	MG/KG	800	280		106				**58.2**	**9.61**
Mercury	MG/KG	35	2		4.1				**2.44**	**0.0407 J**
Nickel	MG/KG	2200		520	26				**15.8**	**15.1**
Selenium	MG/KG	580	5.2	10.4	2.2				**1.01**	**0.14 J**
Silver	MG/KG	580		16	Not Calculated				**1.36**	<0.161
Thallium	MG/KG	1.2	2.8	0.28	0.41				**0.131**	**0.0942 J**
Tin	MG/KG	70000		60000	Not Calculated				**6.03 B**	**2.05 B**
Vanadium	MG/KG	580		1720	67				**9.71**	**14.5**
Zinc	MG/KG	35000		7400	133				**116**	**47**
Miscellaneous										
Percent Moisture	%						**30**	**25**	**7.8**	**13.1**

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
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Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-2	SWMU192-2	SWMU192-2-1	SWMU192-2-2
						Field Sample ID	28909113	28909114	SS1113-SWMU192-2-1-0.5	SS1113-SWMU192-2-2-0.5
						Sample Name	BEL-S-SWMU192-2(0.5-1)	BEL-S-SWMU192-2(11-12)		
						Date Sampled	02/22/2013	02/22/2013	12/10/2013	12/10/2013
						Start Depth - End Depth (ft)	0.5 - 1	11 - 12	0.5 - 1	0.5 - 1
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Fill	Fill
Volatile Organic Compounds										
1,2-Dichlorobenzene	MG/KG	930	11.6	6			<0.001	<0.0009		
1,4-Dichlorobenzene	MG/KG	11	1.44	0.0092			<0.001	<0.0009		
Acetone	MG/KG	67000		58			**0.011 J**	<0.006		
Benzene	MG/KG	5.1	0.052	0.0046			**0.002 J**	<0.0005		
Carbon Disulfide	MG/KG	350		4.8			**0.002 J**	**0.001 J**		
Carbon Tetrachloride	MG/KG	2.9	0.038	0.0036			<0.001	<0.0009		
Chlorobenzene	MG/KG	130	1.36	1.06			<0.001	<0.0009		
Chloroform	MG/KG	1.4	0.44	0.00122			<0.001	<0.0009		
Ethylbenzene	MG/KG	25	15.6	0.034			**0.001 J**	<0.0009		
Formaldehyde	MG/KG	73		0.00174			<1.2000	**21**		
Methyl Ethyl Ketone	MG/KG	19000		24			<0.0040	<0.0040		
Methyl Methacrylate	MG/KG	1900		6			<0.001	<0.0009		
Methylene Chloride	MG/KG	320	0.026	0.058			<0.0020	<0.0020		
Tetrachloroethene	MG/KG	39	0.046	0.102			<0.001	<0.0009		
Toluene	MG/KG	4700	13.8	15.2			**0.006**	<0.0009		
Xylenes	MG/KG	250	196	3.8			**0.002 J**	<0.0009		
Semi-Volatile Organic Compounds										
1-Methylnaphthalene	MG/KG	73		0.116	0.35					
2,4-Dimethylphenol	MG/KG	1600		8.4			<0.017	<0.02		
2,4-Dinitrophenol	MG/KG	160		0.88			<0.31	<0.36		
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.13**	<0.004		
2-Methylphenol (O-Cresol)	MG/KG	4100		15			<0.017	<0.02		
4-Methylphenol (P-Cresol)	MG/KG	8200		30			<0.017	<0.02		
Acenaphthene	MG/KG	4500		110	0.034		**0.004 J**	<0.004		
Acenaphthylene	MG/KG	4500			0.31		**0.008 J**	<0.004		
Acetophenone	MG/KG	12000		11.6			<0.017	<0.02		
Anthracene	MG/KG	23000		1160	0.44		**0.008 J**	<0.004		
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.021**	<0.004		
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.04**	<0.004		
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.023**	<0.004		
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.012 J**	<0.004		
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.018**	<0.004		
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26			<0.069	<0.079		
Butyl Benzyl Phthalate	MG/KG	1200		4.6			<0.069	<0.079		
Chrysene	MG/KG	290		24	1.5		**0.036**	<0.004		
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.006 J**	<0.004		
Dibenzofuran	MG/KG	100		3			**0.037**	<0.02		
Di-N-Butyl Phthalate	MG/KG	8200		46			<0.069	<0.079		
Fluoranthene	MG/KG	3000		1780	1.9		**0.033**	<0.004		
Fluorene	MG/KG	3000		108	0.085		**0.005 J**	<0.004		
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.015 J**	<0.004		
Naphthalene	MG/KG	17		0.0108	1.2		**0.097**	**0.006 J**		
Phenanthrene	MG/KG	23000			0.87		**0.098**	**0.008 J**		
Pyrene	MG/KG	2300		260	1.5		**0.028**	<0.004		

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
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Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-2	SWMU192-2	SWMU192-2-1	SWMU192-2-2
						Field Sample ID	28909113	28909114	SS1113-SWMU192-2-1-0.5	SS1113-SWMU192-2-2-0.5
						Sample Name	BEL-S-SWMU192-2(0.5-1)	BEL-S-SWMU192-2(11-12)		
						Date Sampled	02/22/2013	02/22/2013	12/10/2013	12/10/2013
						Start Depth - End Depth (ft)	0.5 - 1	11 - 12	0.5 - 1	0.5 - 1
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Fill	Fill
Inorganics										
Antimony	MG/KG	47	5.4	7	1.4		**0.176 J**	<0.0756		
Arsenic	MG/KG	3	5.8	0.03	22		**3.55**	**4.89**		
Barium	MG/KG	22000	1640	3200	262		**62.1**	**141**		
Beryllium	MG/KG	230	64	380	2.2		**0.315 J**	**1.07**		
Cadmium	MG/KG	98	7.6	13.8	1.4		**0.284 J**	<0.0378		
Chromium	MG/KG	180000	3600000	80000000	44		**21.2**	**16.6**		
Cobalt	MG/KG	35		5.4	22		**4.73**	**13**		
Copper	MG/KG	4700	920	560	89		**27.2 L**	**17.5 L**		
Lead	MG/KG	800	280		106		**51.3**	**13.3**		
Mercury	MG/KG	35	2		4.1		**0.776**	**0.0456 J**		
Nickel	MG/KG	2200		520	26		**15.6**	**20**		
Selenium	MG/KG	580	5.2	10.4	2.2		**0.189 J**	<0.287		
Silver	MG/KG	580		16	Not Calculated		<0.14	<0.16		
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.0841 J**	**0.139**		
Tin	MG/KG	70000		60000	Not Calculated		**2.14 B**	**2.32 B**		
Vanadium	MG/KG	580		1720	67		**8.65**	**23.2**		
Zinc	MG/KG	35000		7400	133		**63**	**63.9**		
Miscellaneous										
Percent Moisture	%						**3.8**	**16.1**	**13.6 J**	**11.1 J**

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-2-3	SWMU192-2-3	SWMU192-3	SWMU192-3
						Field Sample ID	SS1113-SWMU192-2-3-0.5	SS1113-SWMU192-2-3-0.5-D	28912582	28912583
						Sample Name			BEL-S-SWMU192-3(0.5-1)	BEL-S-SWMU192-3(24-25)
						Date Sampled	12/10/2013	12/10/2013	02/21/2013	02/21/2013
						Start Depth - End Depth (ft)	0.5 - 1	0.5 - 1	0.5 - 1	24 - 25
						Sample Purpose	FS	DUP	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Native Soil
Volatile Organic Compounds										
1,2-Dichlorobenzene	MG/KG	930	11.6	6					<0.001	<0.001
1,4-Dichlorobenzene	MG/KG	11	1.44	0.0092					<0.001	<0.001
Acetone	MG/KG	67000		58					**0.015 J**	**0.009 J**
Benzene	MG/KG	5.1	0.052	0.0046					<0.0006	**0.006**
Carbon Disulfide	MG/KG	350		4.8					<0.001	**0.002 J**
Carbon Tetrachloride	MG/KG	2.9	0.038	0.0036					**0.12**	<0.001
Chlorobenzene	MG/KG	130	1.36	1.06					<0.001	<0.001
Chloroform	MG/KG	1.4	0.44	0.00122					**0.034**	<0.001
Ethylbenzene	MG/KG	25	15.6	0.034					<0.001	<0.001
Formaldehyde	MG/KG	73		0.00174					<1.6	**7.5**
Methyl Ethyl Ketone	MG/KG	19000		24					<0.005	<0.004
Methyl Methacrylate	MG/KG	1900		6					<0.001	<0.001
Methylene Chloride	MG/KG	320	0.026	0.058					<0.002	<0.002
Tetrachloroethene	MG/KG	39	0.046	0.102					<0.001	<0.001
Toluene	MG/KG	4700	13.8	15.2					<0.001	<0.001
Xylenes	MG/KG	250	196	3.8					<0.001	<0.001
Semi-Volatile Organic Compounds										
1-Methylnaphthalene	MG/KG	73		0.116	0.35					
2,4-Dimethylphenol	MG/KG	1600		8.4					<0.023	<0.018
2,4-Dinitrophenol	MG/KG	160		0.88					<0.42	<0.33
2-Methylnaphthalene	MG/KG	300		3.8	0.47				**0.029**	**0.017 J**
2-Methylphenol (O-Cresol)	MG/KG	4100		15					<0.023	<0.018
4-Methylphenol (P-Cresol)	MG/KG	8200		30					<0.023	<0.018
Acenaphthene	MG/KG	4500		110	0.034				<0.005	**0.008 J**
Acenaphthylene	MG/KG	4500			0.31				**0.01 J**	<0.004
Acetophenone	MG/KG	12000		11.6					<0.023	<0.018
Anthracene	MG/KG	23000		1160	0.44				**0.008 J**	<0.004
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89				**0.019 J**	**0.007 J**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6				**0.04**	**0.005 J**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61				**0.019 J**	<0.004
Benzo(K)Fluoranthene	MG/KG	29		8	0.64				**0.01 J**	<0.004
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69				**0.022 J**	<0.004
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26					<0.093	<0.073
Butyl Benzyl Phthalate	MG/KG	1200		4.6					<0.093	<0.073
Chrysene	MG/KG	290		24	1.5				**0.026**	**0.007 J**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2				**0.009 J**	<0.004
Dibenzofuran	MG/KG	100		3					<0.023	<0.018
Di-N-Butyl Phthalate	MG/KG	8200		46					<0.093	<0.073
Fluoranthene	MG/KG	3000		1780	1.9				**0.034**	**0.009 J**
Fluorene	MG/KG	3000		108	0.085				<0.005	<0.004
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57				**0.023 J**	<0.004
Naphthalene	MG/KG	17		0.0108	1.2				**0.029**	**0.075**
Phenanthrene	MG/KG	23000			0.87				**0.044**	**0.012 J**
Pyrene	MG/KG	2300		260	1.5				**0.027**	**0.01 J**

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-2-3	SWMU192-2-3	SWMU192-3	SWMU192-3
						Field Sample ID	SS1113-SWMU192-2-3-0.5	SS1113-SWMU192-2-3-0.5-D	28912582	28912583
						Sample Name			BEL-S-SWMU192-3(0.5-1)	BEL-S-SWMU192-3(24-25)
						Date Sampled	12/10/2013	12/10/2013	02/21/2013	02/21/2013
						Start Depth - End Depth (ft)	0.5 - 1	0.5 - 1	0.5 - 1	24 - 25
						Sample Purpose	FS	DUP	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Native Soil
Inorganics										
Antimony	MG/KG	47	5.4	7	1.4				**0.289**	<0.0696
Arsenic	MG/KG	3	5.8	0.03	22				**7.42**	**5.16**
Barium	MG/KG	22000	1640	3200	262				**174**	**54.4**
Beryllium	MG/KG	230	64	380	2.2				**2.57**	**1.15 J**
Cadmium	MG/KG	98	7.6	13.8	1.4				**0.228 J**	**0.395 J**
Chromium	MG/KG	180000	3600000	80000000	44				**21.8**	**12.9**
Cobalt	MG/KG	35		5.4	22				**17.1**	**9**
Copper	MG/KG	4700	920	560	89				**43.4 L**	**9.71 L**
Lead	MG/KG	800	280		106				**44.2**	**8.15**
Mercury	MG/KG	35	2		4.1				**4.05**	<0.011
Nickel	MG/KG	2200		520	26				**42.4**	**16.1**
Selenium	MG/KG	580	5.2	10.4	2.2				**1.31**	**0.219 J**
Silver	MG/KG	580		16	Not Calculated				<0.19	<0.738
Thallium	MG/KG	1.2	2.8	0.28	0.41				**0.491**	**0.0654 J**
Tin	MG/KG	70000		60000	Not Calculated				**3.23 B**	**2.12 B**
Vanadium	MG/KG	580		1720	67				**25.7**	**14.6**
Zinc	MG/KG	35000		7400	133				**254**	**56.7**
Miscellaneous										
Percent Moisture	%						**6.9 J**	**4.7 J**	**28.4**	**8.8**

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-4	SWMU192-4	SWMU192-4-1	SWMU192-4-1
						Field Sample ID	28912579	28912580	SS1113-SWMU192-4-1-3	SS1113-SWMU192-4-1-7
						Sample Name	BEL-S-SWMU192-4(0.5-1)	BEL-S-SWMU192-4(3-4)		
						Date Sampled	02/21/2013	02/21/2013	12/10/2013	12/10/2013
						Start Depth - End Depth (ft)	0.5 - 1	3 - 4	3 - 4	7 - 8
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Fill
Volatile Organic Compounds										
1,2-Dichlorobenzene	MG/KG	930	11.6	6			<0.0009	<0.001		
1,4-Dichlorobenzene	MG/KG	11	1.44	0.0092			<0.0009	<0.001		
Acetone	MG/KG	67000		58			<0.006	**0.009 J**		
Benzene	MG/KG	5.1	0.052	0.0046			**0.012**	**0.006**		
Carbon Disulfide	MG/KG	350		4.8			<0.0009	**0.002 J**		
Carbon Tetrachloride	MG/KG	2.9	0.038	0.0036			<0.0009	**0.006**		
Chlorobenzene	MG/KG	130	1.36	1.06			<0.0009	<0.001		
Chloroform	MG/KG	1.4	0.44	0.00122			<0.0009	<0.001		
Ethylbenzene	MG/KG	25	15.6	0.034			<0.0009	<0.001		
Formaldehyde	MG/KG	73		0.00174			<1.3	**2.2 J**		
Methyl Ethyl Ketone	MG/KG	19000		24			<0.004	<0.005		
Methyl Methacrylate	MG/KG	1900		6			<0.0009	<0.001		
Methylene Chloride	MG/KG	320	0.026	0.058			<0.002	<0.002		
Tetrachloroethene	MG/KG	39	0.046	0.102			<0.0009	<0.001		
Toluene	MG/KG	4700	13.8	15.2			**0.003 J**	**0.001 J**		
Xylenes	MG/KG	250	196	3.8			<0.0009	<0.001		
Semi-Volatile Organic Compounds										
1-Methylnaphthalene	MG/KG	73		0.116	0.35				**0.042**	**0.16**
2,4-Dimethylphenol	MG/KG	1600		8.4			<0.018	<0.019		
2,4-Dinitrophenol	MG/KG	160		0.88			<0.33	**0.36 J**		
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.012 J**	**0.21**	**0.061**	**0.21**
2-Methylphenol (O-Cresol)	MG/KG	4100		15			<0.018	<0.019		
4-Methylphenol (P-Cresol)	MG/KG	8200		30			<0.018	<0.019		
Acenaphthene	MG/KG	4500		110	0.034		**0.016 J**	**0.25**	**0.069**	**0.13**
Acenaphthylene	MG/KG	4500			0.31		**0.018 J**	**0.61**	**0.26**	**0.96**
Acetophenone	MG/KG	12000		11.6			<0.018	**0.026 J**		
Anthracene	MG/KG	23000		1160	0.44		**0.046**	**1**	**0.44**	**1**
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.23**	**4.2**	**1.9**	**2.9**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.31**	**5.8**	**2.5**	**4.1**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.16**	**2.8**	**1.3**	**2.1**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.16**	**2.3**	**1.1**	**1.4**
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.22**	**3.8**	**1.8**	**2.8**
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26			<0.073	<0.074		
Butyl Benzyl Phthalate	MG/KG	1200		4.6			<0.073	<0.074		
Chrysene	MG/KG	290		24	1.5		**0.24**	**4.2**	**1.9**	**3**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.035**	**0.67**	**0.37**	**0.5**
Dibenzofuran	MG/KG	100		3			**0.025 J**	**0.42**		
Di-N-Butyl Phthalate	MG/KG	8200		46			<0.073	<0.074		
Fluoranthene	MG/KG	3000		1780	1.9		**0.43**	**10**	**3.3**	**7.1**
Fluorene	MG/KG	3000		108	0.085		**0.008 J**	**0.2**	**0.071**	**0.28**
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.14**	**2.6**	**1.3**	**1.9**
Naphthalene	MG/KG	17		0.0108	1.2		**0.021**	**0.59**	**0.15**	**0.83**
Phenanthrene	MG/KG	23000			0.87		**0.18**	**4.6**	**1.5**	**3.6**
Pyrene	MG/KG	2300		260	1.5		**0.33**	**7.7**	**3.2**	**5.8**

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-4	SWMU192-4	SWMU192-4-1	SWMU192-4-1
						Field Sample ID	28912579	28912580	SS1113-SWMU192-4-1-3	SS1113-SWMU192-4-1-7
						Sample Name	BEL-S-SWMU192-4(0.5-1)	BEL-S-SWMU192-4(3-4)		
						Date Sampled	02/21/2013	02/21/2013	12/10/2013	12/10/2013
						Start Depth - End Depth (ft)	0.5 - 1	3 - 4	3 - 4	7 - 8
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Fill
Inorganics										
Antimony	MG/KG	47	5.4	7	1.4		**0.127 J**	**0.295**		
Arsenic	MG/KG	3	5.8	0.03	22		**6.67**	**10.1**		
Barium	MG/KG	22000	1640	3200	262		**174**	**131**		
Beryllium	MG/KG	230	64	380	2.2		**1.35**	**1.02**		
Cadmium	MG/KG	98	7.6	13.8	1.4		**0.196 J**	**0.284 J**		
Chromium	MG/KG	180000	3600000	80000000	44		**31.5**	**54.1**		
Cobalt	MG/KG	35		5.4	22		**11.8**	**9.24**		
Copper	MG/KG	4700	920	560	89		**49.1 L**	**236 L**		
Lead	MG/KG	800	280		106		**23.4**	**81.6**		
Mercury	MG/KG	35	2		4.1		**0.103**	**2.09**		
Nickel	MG/KG	2200		520	26		**31.3**	**30.6**		
Selenium	MG/KG	580	5.2	10.4	2.2		**0.498**	**0.786**		
Silver	MG/KG	580		16	Not Calculated		<0.149	**0.627**		
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.205**	**0.222**		
Tin	MG/KG	70000		60000	Not Calculated		**2.70 B**	**3.18 B**		
Vanadium	MG/KG	580		1720	67		**31.1**	**19.6**		
Zinc	MG/KG	35000		7400	133		**76.4**	**133**		
Miscellaneous										
Percent Moisture	%						**8.5**	**9.9**	**9.6 J**	**9.1 J**

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-4-2	SWMU192-4-3	SWMU192-5	SWMU192-5
						Field Sample ID	SS1113-SWMU192-4-2-3	SS1113-SWMU192-4-3-3	28912565	28912566
						Sample Name			BEL-S-SWMU192-5(0.5-1)	BEL-S-SWMU192-5(17-18)
						Date Sampled	12/10/2013	12/10/2013	02/20/2013	02/20/2013
						Start Depth - End Depth (ft)	3 - 4	3 - 4	0.5 - 1	17 - 18
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Native Soil
Volatile Organic Compounds										
1,2-Dichlorobenzene	MG/KG	930	11.6	6					<0.001	<0.001
1,4-Dichlorobenzene	MG/KG	11	1.44	0.0092					<0.001	<0.001
Acetone	MG/KG	67000		58					**0.027**	**0.012 J**
Benzene	MG/KG	5.1	0.052	0.0046					<0.0005	<0.0005
Carbon Disulfide	MG/KG	350		4.8					<0.001	**0.006**
Carbon Tetrachloride	MG/KG	2.9	0.038	0.0036					<0.001	<0.001
Chlorobenzene	MG/KG	130	1.36	1.06					<0.001	<0.001
Chloroform	MG/KG	1.4	0.44	0.00122					<0.001	<0.001
Ethylbenzene	MG/KG	25	15.6	0.034					<0.001	<0.001
Formaldehyde	MG/KG	73		0.00174					**33 J**	**36**
Methyl Ethyl Ketone	MG/KG	19000		24					<0.004	<0.004
Methyl Methacrylate	MG/KG	1900		6					<0.001	<0.001
Methylene Chloride	MG/KG	320	0.026	0.058					<0.002	<0.002
Tetrachloroethene	MG/KG	39	0.046	0.102					<0.001	<0.001
Toluene	MG/KG	4700	13.8	15.2					<0.001	<0.001
Xylenes	MG/KG	250	196	3.8					<0.001	<0.001
Semi-Volatile Organic Compounds										
1-Methylnaphthalene	MG/KG	73		0.116	0.35		**0.13**	**0.058**		
2,4-Dimethylphenol	MG/KG	1600		8.4					<0.21	<0.042
2,4-Dinitrophenol	MG/KG	160		0.88					<3.8	<0.76
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.19**	**0.087**	**0.0690 J**	<0.008
2-Methylphenol (O-Cresol)	MG/KG	4100		15					<0.21	<0.042
4-Methylphenol (P-Cresol)	MG/KG	8200		30					<0.21	<0.042
Acenaphthene	MG/KG	4500		110	0.034		**0.14**	**0.13 J**	<0.042	<0.008
Acenaphthylene	MG/KG	4500			0.31		**0.51**	**0.3**	<0.042	<0.008
Acetophenone	MG/KG	12000		11.6					<0.21	<0.042
Anthracene	MG/KG	23000		1160	0.44		**0.74**	**1 J**	<0.042	<0.008
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**2.7**	**3.7 J**	**0.096 J**	<0.008
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**4.1**	**4.5 J**	**0.18 J**	<0.008
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**1.8**	**2.4 J**	**0.087 J**	<0.008
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**1.5**	**2.1**	<0.042	<0.008
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**2.5**	**3.3 J**	**0.12 J**	<0.008
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26					<0.84	<0.17
Butyl Benzyl Phthalate	MG/KG	1200		4.6					<0.84	<0.17
Chrysene	MG/KG	290		24	1.5		**3.1**	**4.1 J**	**0.12 J**	<0.008
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.56**	**0.65**	<0.042	<0.008
Dibenzofuran	MG/KG	100		3					<0.21	<0.042
Di-N-Butyl Phthalate	MG/KG	8200		46					<0.84	<0.17
Fluoranthene	MG/KG	3000		1780	1.9		**5.9**	**7.2**	**0.16 J**	<0.008
Fluorene	MG/KG	3000		108	0.085		**0.14**	**0.15 J**	**0.043 J**	<0.008
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**1.8**	**2.3 J**	**0.099 J**	<0.008
Naphthalene	MG/KG	17		0.0108	1.2		**0.41**	**0.21**	**0.12 J**	<0.008
Phenanthrene	MG/KG	23000			0.87		**2.6**	**3 J**	**0.1 J**	**0.01 J**
Pyrene	MG/KG	2300		260	1.5		**5**	**6 J**	**0.13 J**	<0.008

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-4-2	SWMU192-4-3	SWMU192-5	SWMU192-5
						Field Sample ID	SS1113-SWMU192-4-2-3	SS1113-SWMU192-4-3-3	28912565	28912566
						Sample Name			BEL-S-SWMU192-5(0.5-1)	BEL-S-SWMU192-5(17-18)
						Date Sampled	12/10/2013	12/10/2013	02/20/2013	02/20/2013
						Start Depth - End Depth (ft)	3 - 4	3 - 4	0.5 - 1	17 - 18
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Native Soil
Inorganics										
Antimony	MG/KG	47	5.4	7	1.4				**0.618**	<0.0826
Arsenic	MG/KG	3	5.8	0.03	22				**12.5**	**9.49**
Barium	MG/KG	22000	1640	3200	262				**166**	**199**
Beryllium	MG/KG	230	64	380	2.2				**0.858**	**1.65**
Cadmium	MG/KG	98	7.6	13.8	1.4				<0.0399	**0.338 J**
Chromium	MG/KG	180000	3600000	80000000	44				**196**	**28.2**
Cobalt	MG/KG	35		5.4	22				**6.77**	**16**
Copper	MG/KG	4700	920	560	89				**1670 L**	**26.9 L**
Lead	MG/KG	800	280		106				**335**	**20.4**
Mercury	MG/KG	35	2		4.1				**3.35**	**0.0423 J**
Nickel	MG/KG	2200		520	26				**19.2**	**30.8**
Selenium	MG/KG	580	5.2	10.4	2.2				**0.616**	**0.233 J**
Silver	MG/KG	580		16	Not Calculated				<0.169	<0.175
Thallium	MG/KG	1.2	2.8	0.28	0.41				**0.213**	**0.309**
Tin	MG/KG	70000		60000	Not Calculated				**3.88 B**	**2.56 B**
Vanadium	MG/KG	580		1720	67				**18.9**	**36.7**
Zinc	MG/KG	35000		7400	133				**821**	**106**
Miscellaneous										
Percent Moisture	%						**11.8 J**	**8.6 J**	**20.4**	**20.9**

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
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Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-6	SWMU192-6	SWMU192-6	SWMU192-7
						Field Sample ID	28912568	28912569	28912570	28903388
						Sample Name	BEL-S-SWMU192-6(0.5-1)	BEL-S-SWMU192-6(23-24)	BEL-S-SWMU192-6(27-28)	BEL-S-SWMU192-7(0.5-1)
						Date Sampled	02/21/2013	02/21/2013	02/21/2013	02/18/2013
						Start Depth - End Depth (ft)	0.5 - 1	23 - 24	27 - 28	0.5 - 1
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Native Soil	Fill
Volatile Organic Compounds										
1,2-Dichlorobenzene	MG/KG	930	11.6	6			<0.001	<0.082	<0.001	<0.001 UJ
1,4-Dichlorobenzene	MG/KG	11	1.44	0.0092			<0.001	<0.082	<0.001	**0.002 J**
Acetone	MG/KG	67000		58			<0.008	<0.57	**0.013 J**	**0.016 J**
Benzene	MG/KG	5.1	0.052	0.0046			<0.0006	**0.83**	<0.0005	<0.0006 UJ
Carbon Disulfide	MG/KG	350		4.8			<0.001	**0.14 J**	**0.002 J**	**0.002 J**
Carbon Tetrachloride	MG/KG	2.9	0.038	0.0036			<0.001	<0.082	<0.001	**0.004 J**
Chlorobenzene	MG/KG	130	1.36	1.06			<0.001	<0.082	<0.001	<0.001 UJ
Chloroform	MG/KG	1.4	0.44	0.00122			<0.001	<0.082	<0.001	<0.001
Ethylbenzene	MG/KG	25	15.6	0.034			<0.001	<0.082	<0.001	<0.001 UJ
Formaldehyde	MG/KG	73		0.00174			<1.4	**18**	**45**	**1.3 J**
Methyl Ethyl Ketone	MG/KG	19000		24			<0.005	<0.33	<0.004	<0.004
Methyl Methacrylate	MG/KG	1900		6			<0.001	<0.082	<0.001	<0.001
Methylene Chloride	MG/KG	320	0.026	0.058			<0.002	<0.16	<0.002	<0.002
Tetrachloroethene	MG/KG	39	0.046	0.102			<0.001	<0.082	<0.001	<0.001
Toluene	MG/KG	4700	13.8	15.2			<0.001	**0.088 J**	<0.001	<0.001 UJ
Xylenes	MG/KG	250	196	3.8			<0.001	**0.11 J**	<0.001	<0.001 UJ
Semi-Volatile Organic Compounds										
1-Methylnaphthalene	MG/KG	73		0.116	0.35					
2,4-Dimethylphenol	MG/KG	1600		8.4			<0.02	<0.054	<0.043	<0.35
2,4-Dinitrophenol	MG/KG	160		0.88			<0.36	<0.96	<0.78	<6.2
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.1**	**0.66**	<0.009	**0.21 J**
2-Methylphenol (O-Cresol)	MG/KG	4100		15			<0.02	**0.09 J**	<0.043	<0.35
4-Methylphenol (P-Cresol)	MG/KG	8200		30			<0.02	**0.35**	<0.043	<0.35
Acenaphthene	MG/KG	4500		110	0.034		**0.008 J**	**0.13**	<0.009	<0.069
Acenaphthylene	MG/KG	4500			0.31		**0.038**	**0.056**	<0.009	<0.069
Acetophenone	MG/KG	12000		11.6			<0.02	**0.53**	<0.043	<0.35
Anthracene	MG/KG	23000		1160	0.44		**0.039**	**0.13**	<0.009	<0.069
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.1**	**0.16**	<0.009	**0.1 J**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.16**	**0.25**	<0.009	**0.1 J**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.069**	**0.093**	<0.009	**0.088 J**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.065**	**0.072**	<0.009	<0.069
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.095**	**0.06**	<0.009	**0.071 J**
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26			**0.37**	<0.21	<0.17	<1.4
Butyl Benzyl Phthalate	MG/KG	1200		4.6			**0.79**	<0.21	<0.17	<1.4
Chrysene	MG/KG	290		24	1.5		**0.12**	**0.27**	<0.009	**0.1 J**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.022**	**0.044 J**	<0.009	<0.069
Dibenzofuran	MG/KG	100		3			**0.045**	**0.18**	<0.043	<0.35
Di-N-Butyl Phthalate	MG/KG	8200		46			**0.1 J**	<0.21	<0.17	<1.4
Fluoranthene	MG/KG	3000		1780	1.9		**0.24**	**0.46**	<0.009	**0.19 J**
Fluorene	MG/KG	3000		108	0.085		**0.02**	**0.73**	<0.009	<0.069
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.055**	**0.042 J**	<0.009	<0.069
Naphthalene	MG/KG	17		0.0108	1.2		**0.17**	**2.4**	<0.009	**0.18 J**
Phenanthrene	MG/KG	23000			0.87		**0.21**	**0.73**	**0.009 J**	**0.29 J**
Pyrene	MG/KG	2300		260	1.5		**0.21**	**0.42**	<0.009	**0.15 J**

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-6	SWMU192-6	SWMU192-6	SWMU192-7
						Field Sample ID	28912568	28912569	28912570	28903388
						Sample Name	BEL-S-SWMU192-6(0.5-1)	BEL-S-SWMU192-6(23-24)	BEL-S-SWMU192-6(27-28)	BEL-S-SWMU192-7(0.5-1)
						Date Sampled	02/21/2013	02/21/2013	02/21/2013	02/18/2013
						Start Depth - End Depth (ft)	0.5 - 1	23 - 24	27 - 28	0.5 - 1
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Native Soil	Fill
Inorganics										
Antimony	MG/KG	47	5.4	7	1.4		**0.434**	**0.753**	**0.111 J**	**1.6**
Arsenic	MG/KG	3	5.8	0.03	22		**17.2**	**43.7**	**7.08**	**6.42**
Barium	MG/KG	22000	1640	3200	262		**144**	**172**	**218**	**151**
Beryllium	MG/KG	230	64	380	2.2		**0.906**	**1.21**	**1.66**	**0.202 J**
Cadmium	MG/KG	98	7.6	13.8	1.4		**0.252 J**	**0.573 J**	<0.0425	**0.629**
Chromium	MG/KG	180000	3600000	80000000	44		**38.9**	**2040**	**28.3**	**18 K**
Cobalt	MG/KG	35		5.4	22		**8.8**	**10.3**	**16.4**	**6.94**
Copper	MG/KG	4700	920	560	89		**158 L**	**228 L**	**21.5 L**	**72.9 K**
Lead	MG/KG	800	280		106		**66.8**	**62.3**	**20.3**	**108**
Mercury	MG/KG	35	2		4.1		**3.23**	**4.78**	**0.0413 J**	**12.7**
Nickel	MG/KG	2200		520	26		**19.5**	**20.9**	**29.3**	**14.7**
Selenium	MG/KG	580	5.2	10.4	2.2		**0.931**	**4.65**	**0.203 J**	**0.469**
Silver	MG/KG	580		16	Not Calculated		**0.296 J**	<0.219	<0.18	**0.339 J**
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.185**	**0.249**	**0.261**	**0.192**
Tin	MG/KG	70000		60000	Not Calculated		**3.37 B**	**9.58 J**	**2.8 B**	**2.83 B**
Vanadium	MG/KG	580		1720	67		**16.1**	**23.6**	**35.1**	**9.46**
Zinc	MG/KG	35000		7400	133		**96.6**	**277**	**98.8**	**100 K**
Miscellaneous										
Percent Moisture	%						**15.8**	**37.8**	**23.1**	**3.8**

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
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Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-7	SWMU192-8	SWMU192-8	SWMU192-9
						Field Sample ID	28903389	28903391	28903392	28903402
						Sample Name	BEL-S-SWMU192-7(19-20)	BEL-S-SWMU192-8(0.5-1)	BEL-S-SWMU192-8(19-20)	BEL-S-SWMU192-9(0.5-1)
						Date Sampled	02/18/2013	02/18/2013	02/18/2013	02/19/2013
						Start Depth - End Depth (ft)	19 - 20	0.5 - 1	19 - 20	0.5 - 1
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Fill
Volatile Organic Compounds										
1,2-Dichlorobenzene	MG/KG	930	11.6	6			<0.001	<0.002 UJ	<0.001	<0.001
1,4-Dichlorobenzene	MG/KG	11	1.44	0.0092			<0.001	<0.002 UJ	<0.001	<0.001
Acetone	MG/KG	67000		58			**0.008 J**	**0.041 K**	**0.008 J**	**0.015 J**
Benzene	MG/KG	5.1	0.052	0.0046			<0.0005	<0.0009 UJ	**0.001 J**	<0.0007
Carbon Disulfide	MG/KG	350		4.8			**0.001 J**	**0.002 J**	<0.001	**0.013**
Carbon Tetrachloride	MG/KG	2.9	0.038	0.0036			<0.001	<0.002	<0.001	<0.001
Chlorobenzene	MG/KG	130	1.36	1.06			<0.001	<0.002 UJ	<0.001	<0.001
Chloroform	MG/KG	1.4	0.44	0.00122			<0.001	**0.002 J**	<0.001	<0.001
Ethylbenzene	MG/KG	25	15.6	0.034			<0.001	<0.002 UJ	<0.001	<0.001
Formaldehyde	MG/KG	73		0.00174			**40**	<1.4	**24**	<1.3
Methyl Ethyl Ketone	MG/KG	19000		24			<0.004	**0.008 J**	<0.004	<0.006
Methyl Methacrylate	MG/KG	1900		6			<0.001	**0.004 J**	<0.001	<0.001
Methylene Chloride	MG/KG	320	0.026	0.058			<0.002	<0.003	<0.002	<0.003
Tetrachloroethene	MG/KG	39	0.046	0.102			<0.001	**0.003 J**	<0.001	<0.001
Toluene	MG/KG	4700	13.8	15.2			<0.001	<0.002 UJ	<0.001	<0.001
Xylenes	MG/KG	250	196	3.8			<0.001	<0.002 UJ	<0.001	<0.001
Semi-Volatile Organic Compounds										
1-Methylnaphthalene	MG/KG	73		0.116	0.35					
2,4-Dimethylphenol	MG/KG	1600		8.4			<0.021	<0.019	<0.02	<0.018
2,4-Dinitrophenol	MG/KG	160		0.88			<0.38	<0.3500	<0.36	<0.33
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.16**	**0.073**	**0.025**	**0.063**
2-Methylphenol (O-Cresol)	MG/KG	4100		15			<0.021	<0.019	<0.02	<0.018
4-Methylphenol (P-Cresol)	MG/KG	8200		30			<0.021	<0.019	<0.02	<0.018
Acenaphthene	MG/KG	4500		110	0.034		**0.023**	**0.005 J**	<0.004	**0.007 J**
Acenaphthylene	MG/KG	4500			0.31		**0.025**	**0.016 J**	<0.004	**0.14**
Acetophenone	MG/KG	12000		11.6			<0.021	<0.019	<0.02	<0.018
Anthracene	MG/KG	23000		1160	0.44		**0.033**	**0.016 J**	**0.005 J**	**0.12**
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.025**	**0.059**	**0.009 J**	**0.26**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.029**	**0.096**	**0.01 J**	**0.47**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.013 J**	**0.042**	**0.007 J**	**0.18**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.009 J**	**0.032**	**0.005 J**	**0.18**
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.014 J**	**0.046**	**0.005 J**	**0.24**
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26			<0.084	<0.078	<0.08	<0.072
Butyl Benzyl Phthalate	MG/KG	1200		4.6			<0.084	<0.078	<0.08	<0.072
Chrysene	MG/KG	290		24	1.5		**0.026**	**0.07**	**0.01 J**	**0.26**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.004	**0.019 J**	<0.004	**0.052**
Dibenzofuran	MG/KG	100		3			**0.046**	**0.03 J**	<0.02	**0.026 J**
Di-N-Butyl Phthalate	MG/KG	8200		46			<0.084	<0.078	<0.08	<0.072
Fluoranthene	MG/KG	3000		1780	1.9		**0.086**	**0.089**	**0.017 J**	**0.41**
Fluorene	MG/KG	3000		108	0.085		**0.042**	**0.005 J**	**0.006 J**	**0.015 J**
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.008 J**	**0.035**	<0.004	**0.18**
Naphthalene	MG/KG	17		0.0108	1.2		**0.33**	**0.087**	**0.033**	**0.067**
Phenanthrene	MG/KG	23000			0.87		**0.15**	**0.12**	**0.029**	**0.16**
Pyrene	MG/KG	2300		260	1.5		**0.077**	**0.078**	**0.02 J**	**0.38**

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-7	SWMU192-8	SWMU192-8	SWMU192-9
						Field Sample ID	28903389	28903391	28903392	28903402
						Sample Name	BEL-S-SWMU192-7(19-20)	BEL-S-SWMU192-8(0.5-1)	BEL-S-SWMU192-8(19-20)	BEL-S-SWMU192-9(0.5-1)
						Date Sampled	02/18/2013	02/18/2013	02/18/2013	02/19/2013
						Start Depth - End Depth (ft)	19 - 20	0.5 - 1	19 - 20	0.5 - 1
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Fill
Inorganics										
Antimony	MG/KG	47	5.4	7	1.4		**0.335**	**1.87**	**0.383**	**1.12**
Arsenic	MG/KG	3	5.8	0.03	22		**7.61**	**7.36**	**6.14**	**20.5**
Barium	MG/KG	22000	1640	3200	262		**119**	**65.8**	**109**	**59.8**
Beryllium	MG/KG	230	64	380	2.2		**0.932**	**0.358 J**	**0.902**	**0.468 J**
Cadmium	MG/KG	98	7.6	13.8	1.4		<0.041	<0.0373	<0.0393	**0.0856 J**
Chromium	MG/KG	180000	3600000	80000000	44		**16.8 K**	**7.94 K**	**16.7 K**	**13 K**
Cobalt	MG/KG	35		5.4	22		**8.71**	**3.16**	**10.1**	**5.12**
Copper	MG/KG	4700	920	560	89		**56.5 K**	**69.5 K**	**30.4 K**	**84.7 K**
Lead	MG/KG	800	280		106		**54**	**58.7**	**23.2**	**61.1**
Mercury	MG/KG	35	2		4.1		**0.946**	**25**	**0.345**	**8.44**
Nickel	MG/KG	2200		520	26		**19**	**5.83**	**18.6**	**14.4**
Selenium	MG/KG	580	5.2	10.4	2.2		**0.94**	**1.46**	**0.16 J**	**0.565**
Silver	MG/KG	580		16	Not Calculated		<0.174	**1.19**	<0.167	<0.152
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.289**	**0.0937 J**	**0.151**	**0.252**
Tin	MG/KG	70000		60000	Not Calculated		**3.63 B**	**2.44 B**	**3.13 B**	**3.91 B**
Vanadium	MG/KG	580		1720	67		**19.3**	**5.41**	**22.4**	**8.06**
Zinc	MG/KG	35000		7400	133		**73.4 K**	**18.8 K**	**64.7 K**	**47.8 K**
Miscellaneous										
Percent Moisture	%						**21.8**	**14.9**	**17.7**	**8.6**

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-9	SWMU192-10	SWMU192-10	SWMU192-10
						Field Sample ID	28903403	28903398	28903399	28903400
						Sample Name	BEL-S-SWMU192-9(15-16)	BEL-S-SWMU192-10(0.5-1)	BEL-S-SWMU192-10(14-15)	BEL-S-SWMU192-10(19-20)
						Date Sampled	02/19/2013	02/19/2013	02/19/2013	02/19/2013
						Start Depth - End Depth (ft)	15 - 16	0.5 - 1	14 - 15	19 - 20
						Sample Purpose	FS	FS	FS	FS
						Fill or Native Soil	Fill	Fill	Fill	Native Soil
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20						
Volatile Organic Compounds										
1,2-Dichlorobenzene	MG/KG	930	11.6	6			<0.001	<0.001	**0.023**	<0.001
1,4-Dichlorobenzene	MG/KG	11	1.44	0.0092			<0.001	<0.001	<0.001	<0.001
Acetone	MG/KG	67000		58			**0.015 J**	**0.028**	**0.15**	**0.063**
Benzene	MG/KG	5.1	0.052	0.0046			<0.0005	<0.0006	**0.01**	**0.003 J**
Carbon Disulfide	MG/KG	350		4.8			**0.003 J**	<0.001	**0.009**	<0.001
Carbon Tetrachloride	MG/KG	2.9	0.038	0.0036			<0.001	<0.001	<0.001	<0.001
Chlorobenzene	MG/KG	130	1.36	1.06			<0.001	<0.001	**1.8**	<0.001
Chloroform	MG/KG	1.4	0.44	0.00122			<0.001	<0.001	<0.001	<0.001
Ethylbenzene	MG/KG	25	15.6	0.034			<0.001	<0.001	**0.004 J**	<0.001
Formaldehyde	MG/KG	73		0.00174			**41**	<1.5	**20**	**10**
Methyl Ethyl Ketone	MG/KG	19000		24			**0.005 J**	<0.005	<0.004	<0.004
Methyl Methacrylate	MG/KG	1900		6			<0.001	**0.01**	<0.001	<0.001
Methylene Chloride	MG/KG	320	0.026	0.058			<0.002	<0.002	<0.002	<0.002
Tetrachloroethene	MG/KG	39	0.046	0.102			<0.001	<0.001	<0.001	<0.001
Toluene	MG/KG	4700	13.8	15.2			<0.001	<0.001	<0.001	<0.001
Xylenes	MG/KG	250	196	3.8			<0.001	<0.001	**0.004 J**	<0.001
Semi-Volatile Organic Compounds										
1-Methylnaphthalene	MG/KG	73		0.116	0.35					
2,4-Dimethylphenol	MG/KG	1600		8.4			**0.049**	<0.1	<0.021	<0.021
2,4-Dinitrophenol	MG/KG	160		0.88			<0.37	<1.9	<0.39	<0.37
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.29**	**0.82**	<0.004	<0.004
2-Methylphenol (O-Cresol)	MG/KG	4100		15			**0.035 J**	<0.1	<0.021	<0.021
4-Methylphenol (P-Cresol)	MG/KG	8200		30			**0.067**	<0.1	<0.021	<0.021
Acenaphthene	MG/KG	4500		110	0.034		**0.29**	<0.021	<0.004	<0.004
Acenaphthylene	MG/KG	4500			0.31		**0.27**	<0.021	<0.004	<0.004
Acetophenone	MG/KG	12000		11.6			<0.021	<0.1	<0.021	<0.021
Anthracene	MG/KG	23000		1160	0.44		**0.33**	<0.021	<0.004	<0.004
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.28**	**0.049 J**	<0.004	<0.004
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.51**	**0.055 J**	<0.004	<0.004
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.26**	**0.036 J**	<0.004	<0.004
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.19**	**0.029 J**	<0.004	<0.004
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.34**	**0.04 J**	<0.004	<0.004
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26			<0.083	<0.42	<0.086	<0.083
Butyl Benzyl Phthalate	MG/KG	1200		4.6			<0.083	<0.42	<0.086	<0.083
Chrysene	MG/KG	290		24	1.5		**0.29**	**0.07 J**	**0.005 J**	<0.004
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.048**	<0.021	<0.004	<0.004
Dibenzofuran	MG/KG	100		3			**0.23**	**0.19 J**	<0.021	<0.021
Di-N-Butyl Phthalate	MG/KG	8200		46			<0.083	<0.42	<0.086	<0.083
Fluoranthene	MG/KG	3000		1780	1.9		**1.1**	**0.12**	<0.004	<0.004
Fluorene	MG/KG	3000		108	0.085		**0.29**	<0.021	<0.004	**0.005 J**
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.24**	**0.024 J**	<0.004	<0.004
Naphthalene	MG/KG	17		0.0108	1.2		**0.54**	**0.7**	**0.009 J**	<0.004
Phenanthrene	MG/KG	23000			0.87		**1.1**	**0.31**	**0.012 J**	**0.007 J**
Pyrene	MG/KG	2300		260	1.5		**0.84**	**0.11**	<0.004	<0.004

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-9	SWMU192-10	SWMU192-10	SWMU192-10
						Field Sample ID	28903403	28903398	28903399	28903400
						Sample Name	BEL-S-SWMU192-9(15-16)	BEL-S-SWMU192-10(0.5-1)	BEL-S-SWMU192-10(14-15)	BEL-S-SWMU192-10(19-20)
						Date Sampled	02/19/2013	02/19/2013	02/19/2013	02/19/2013
						Start Depth - End Depth (ft)	15 - 16	0.5 - 1	14 - 15	19 - 20
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Native Soil
Inorganics										
Antimony	MG/KG	47	5.4	7	1.4		**0.201 J**	**0.494**	**0.144 J**	**0.085 J**
Arsenic	MG/KG	3	5.8	0.03	22		**5.79**	**11.6**	**4.41**	**5.76**
Barium	MG/KG	22000	1640	3200	262		**149**	**169**	**141**	**202**
Beryllium	MG/KG	230	64	380	2.2		**0.994**	**0.818**	**0.736**	**1.23**
Cadmium	MG/KG	98	7.6	13.8	1.4		<0.0396	<0.0412	<0.0418	<0.0407
Chromium	MG/KG	180000	3600000	80000000	44		**18.4 K**	**26 K**	**26.5 K**	**20.5 K**
Cobalt	MG/KG	35		5.4	22		**11.1**	**6.36**	**4.21**	**9.91**
Copper	MG/KG	4700	920	560	89		**26.1 K**	**88.2 K**	**14.5 K**	**22.6 K**
Lead	MG/KG	800	280		106		**33.5**	**68.4**	**15.2**	**17**
Mercury	MG/KG	35	2		4.1		**0.21**	**0.421**	**0.0456 J**	**0.0638 J**
Nickel	MG/KG	2200		520	26		**19.9**	**20.2**	**15.9**	**23.3**
Selenium	MG/KG	580	5.2	10.4	2.2		**0.178 J**	**0.656**	<0.127	<0.123
Silver	MG/KG	580		16	Not Calculated		<0.168	**0.301 J**	<0.177	<0.173
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.131**	**0.205**	**0.196**	**0.198**
Tin	MG/KG	70000		60000	Not Calculated		**2.81 B**	**3.31 B**	**2.59 B**	**2.58 B**
Vanadium	MG/KG	580		1720	67		**23.7**	**21.9**	**34.9**	**28.5**
Zinc	MG/KG	35000		7400	133		**88.6 K**	**92.2 K**	**61.4 K**	**94.1 K**
Miscellaneous										
Percent Moisture	%						**19.9**	**21.4**	**22.6**	**19.7**

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-11	SWMU192-11	SWMU192-11	SWMU192-12
						Field Sample ID	28912575	28912576	28912577	28903394
						Sample Name	BEL-S-SWMU192-11(0.5-1)	BEL-S-SWMU192-11(14-15)	BEL-S-SWMU192-11(19-20)	BEL-S-SWMU192-12(0.5-1)
						Date Sampled	02/20/2013	02/20/2013	02/20/2013	02/19/2013
						Start Depth - End Depth (ft)	0.5 - 1	14 - 15	19 - 20	0.5 - 1
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Native Soil	Fill
Volatile Organic Compounds										
1,2-Dichlorobenzene	MG/KG	930	11.6	6			<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	MG/KG	11	1.44	0.0092			<0.001	<0.001	<0.001	<0.001
Acetone	MG/KG	67000		58			**0.028 J**	**0.008 J**	**0.033**	**0.08**
Benzene	MG/KG	5.1	0.052	0.0046			**0.076**	<0.0005	<0.0005	<0.0006
Carbon Disulfide	MG/KG	350		4.8			**0.002 J**	**0.001 J**	<0.001	**0.02**
Carbon Tetrachloride	MG/KG	2.9	0.038	0.0036			<0.001	<0.001	<0.001	<0.001
Chlorobenzene	MG/KG	130	1.36	1.06			<0.001	<0.001	<0.001	<0.001
Chloroform	MG/KG	1.4	0.44	0.00122			**0.011**	<0.001	<0.001	<0.001
Ethylbenzene	MG/KG	25	15.6	0.034			<0.001	<0.001	<0.001	<0.001
Formaldehyde	MG/KG	73		0.00174			**22**	**27**	<1.4	**33 J**
Methyl Ethyl Ketone	MG/KG	19000		24			<0.006	<0.004	<0.004	<0.005
Methyl Methacrylate	MG/KG	1900		6			**0.22**	**0.005**	**0.008**	<0.001
Methylene Chloride	MG/KG	320	0.026	0.058			<0.003	<0.002	<0.002	<0.002
Tetrachloroethene	MG/KG	39	0.046	0.102			<0.001	<0.001	<0.001	<0.001
Toluene	MG/KG	4700	13.8	15.2			**0.013**	<0.001	<0.001	<0.001
Xylenes	MG/KG	250	196	3.8			<0.001	<0.001	<0.001	<0.001
Semi-Volatile Organic Compounds										
1-Methylnaphthalene	MG/KG	73		0.116	0.35					
2,4-Dimethylphenol	MG/KG	1600		8.4			<0.022	<0.02	<0.02	<0.11
2,4-Dinitrophenol	MG/KG	160		0.88			<0.39	<0.37	<0.37	<2
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.032**	**0.006 J**	<0.004	<0.022
2-Methylphenol (O-Cresol)	MG/KG	4100		15			<0.022	<0.02	<0.02	<0.11
4-Methylphenol (P-Cresol)	MG/KG	8200		30			<0.022	<0.02	<0.02	<0.11
Acenaphthene	MG/KG	4500		110	0.034		<0.004	<0.004	<0.004	<0.022
Acenaphthylene	MG/KG	4500			0.31		<0.004	<0.004	<0.004	<0.022
Acetophenone	MG/KG	12000		11.6			<0.022	<0.02	<0.02	<0.11
Anthracene	MG/KG	23000		1160	0.44		<0.004	**0.004 J**	<0.004	<0.022
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.005 J**	**0.011 J**	<0.004	<0.022
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.008 J**	**0.012 J**	<0.004	**0.028 J**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.008 J**	<0.004	<0.004	**0.03 J**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.006 J**	<0.004	<0.004	<0.022
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.005 J**	**0.01 J**	<0.004	<0.022
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26			<0.087	<0.082	<0.082	<0.44
Butyl Benzyl Phthalate	MG/KG	1200		4.6			<0.087	<0.082	<0.082	<0.44
Chrysene	MG/KG	290		24	1.5		**0.009 J**	**0.012 J**	<0.004	<0.022
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.004	<0.004	<0.004	<0.022
Dibenzofuran	MG/KG	100		3			<0.022	<0.02	<0.02	<0.11
Di-N-Butyl Phthalate	MG/KG	8200		46			<0.087	<0.082	<0.082	<0.44
Fluoranthene	MG/KG	3000		1780	1.9		**0.011 J**	**0.014 J**	**0.005 J**	**0.041 J**
Fluorene	MG/KG	3000		108	0.085		<0.004	<0.004	<0.004	<0.022
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		<0.004	<0.004	<0.004	<0.022
Naphthalene	MG/KG	17		0.0108	1.2		**0.033**	**0.005 J**	<0.004	<0.022
Phenanthrene	MG/KG	23000			0.87		**0.023**	**0.017 J**	**0.006 J**	**0.03 J**
Pyrene	MG/KG	2300		260	1.5		**0.011 J**	**0.017 J**	<0.004	**0.033 J**

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-11	SWMU192-11	SWMU192-11	SWMU192-12
						Field Sample ID	28912575	28912576	28912577	28903394
						Sample Name	BEL-S-SWMU192-11(0.5-1)	BEL-S-SWMU192-11(14-15)	BEL-S-SWMU192-11(19-20)	BEL-S-SWMU192-12(0.5-1)
						Date Sampled	02/20/2013	02/20/2013	02/20/2013	02/19/2013
						Start Depth - End Depth (ft)	0.5 - 1	14 - 15	19 - 20	0.5 - 1
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Native Soil	Fill
Inorganics										
Antimony	MG/KG	47	5.4	7	1.4		**0.131 J**	<0.08	<0.081	**2.23**
Arsenic	MG/KG	3	5.8	0.03	22		**5.94**	**6.86**	**6.34**	**2.62**
Barium	MG/KG	22000	1640	3200	262		**153**	**188**	**201**	**179**
Beryllium	MG/KG	230	64	380	2.2		**1.24**	**1.4**	**1.5**	**0.096 J**
Cadmium	MG/KG	98	7.6	13.8	1.4		<0.043	<0.04	**0.491 J**	<0.0434
Chromium	MG/KG	180000	3600000	80000000	44		**17.5**	**27.4**	**23.9**	**6.83 K**
Cobalt	MG/KG	35		5.4	22		**12.1**	**14.6**	**15.3**	**0.807**
Copper	MG/KG	4700	920	560	89		**24.8 L**	**24.4 L**	**21.7 L**	**3880 K**
Lead	MG/KG	800	280		106		**17.6**	**17.3**	**17.3**	**24**
Mercury	MG/KG	35	2		4.1		**0.0924 J**	**0.0222 J**	**0.0298 J**	**0.152**
Nickel	MG/KG	2200		520	26		**20.7**	**26.4**	**26.9**	**2.41**
Selenium	MG/KG	580	5.2	10.4	2.2		**0.433 J**	<0.121	<0.123	**0.132 J**
Silver	MG/KG	580		16	Not Calculated		<0.182	<0.17	<0.172	<0.184
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.166**	**0.197**	**0.245**	**0.157**
Tin	MG/KG	70000		60000	Not Calculated		**3.16 B**	**2.54 B**	**2.48 B**	**4.11 B**
Vanadium	MG/KG	580		1720	67		**25.4**	**29.4**	**33.4**	**5.84**
Zinc	MG/KG	35000		7400	133		**82.4**	**89.3**	**90.2**	**7.73 K**
Miscellaneous										
Percent Moisture	%						**23.2**	**18.3**	**18.5**	**24.7**

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-12	SWMU192-12	SWMU192-13	SWMU192-13
						Field Sample ID	28903395	28903396	28912572	28912573
						Sample Name	BEL-S-SWMU192-12(9-10)	BEL-S-SWMU192-12(14-15)	BEL-S-SWMU192-13(0.5-1)	BEL-S-SWMU192-13(7-8)
						Date Sampled	02/19/2013	02/19/2013	02/20/2013	02/20/2013
						Start Depth - End Depth (ft)	9 - 10	14 - 15	0.5 - 1	7 - 8
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil
Volatile Organic Compounds										
1,2-Dichlorobenzene	MG/KG	930	11.6	6			<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	MG/KG	11	1.44	0.0092			<0.001	<0.001	<0.001	<0.001
Acetone	MG/KG	67000		58			**0.034**	**0.008 J**	**0.018 J**	**0.07**
Benzene	MG/KG	5.1	0.052	0.0046			**0.003 J**	<0.0005	**0.25**	<0.0005
Carbon Disulfide	MG/KG	350		4.8			**0.005**	<0.001	**0.002 J**	<0.001
Carbon Tetrachloride	MG/KG	2.9	0.038	0.0036			<0.001	<0.001	<0.001	<0.001
Chlorobenzene	MG/KG	130	1.36	1.06			**0.05**	<0.001	<0.001	<0.001
Chloroform	MG/KG	1.4	0.44	0.00122			<0.001	<0.001	**0.004 J**	<0.001
Ethylbenzene	MG/KG	25	15.6	0.034			<0.001	<0.001	<0.001	<0.001
Formaldehyde	MG/KG	73		0.00174			**84**	**7.9**	**1.6 J**	<1.4
Methyl Ethyl Ketone	MG/KG	19000		24			<0.004	<0.004	<0.005	**0.006 J**
Methyl Methacrylate	MG/KG	1900		6			<0.001	<0.001	<0.001	<0.001
Methylene Chloride	MG/KG	320	0.026	0.058			<0.002	<0.002	<0.002	<0.002
Tetrachloroethene	MG/KG	39	0.046	0.102			<0.001	<0.001	**0.001 J**	<0.001
Toluene	MG/KG	4700	13.8	15.2			<0.001	<0.001	**0.011**	<0.001
Xylenes	MG/KG	250	196	3.8			<0.001	<0.001	<0.001	<0.001
Semi-Volatile Organic Compounds										
1-Methylnaphthalene	MG/KG	73		0.116	0.35					
2,4-Dimethylphenol	MG/KG	1600		8.4			<0.021	<0.021	<0.2	<0.021
2,4-Dinitrophenol	MG/KG	160		0.88			<0.38	<0.37	<3.6	<0.37
2-Methylnaphthalene	MG/KG	300		3.8	0.47		<0.004	<0.004	**0.31**	**0.023**
2-Methylphenol (O-Cresol)	MG/KG	4100		15			<0.021	<0.021	<0.2	<0.021
4-Methylphenol (P-Cresol)	MG/KG	8200		30			<0.021	<0.021	<0.2	<0.021
Acenaphthene	MG/KG	4500		110	0.034		<0.004	<0.004	<0.04	<0.004
Acenaphthylene	MG/KG	4500			0.31		<0.004	<0.004	**0.5**	<0.004
Acetophenone	MG/KG	12000		11.6			<0.021	<0.021	**0.6**	<0.021
Anthracene	MG/KG	23000		1160	0.44		<0.004	<0.004	**0.68**	<0.004
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		<0.004	<0.004	**2.6**	**0.007 J**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		<0.004	<0.004	**3.4**	**0.016 J**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		<0.004	<0.004	**1.5**	**0.016 J**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		<0.004	<0.004	**1.3**	<0.004
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		<0.004	<0.004	**2.5**	**0.01 J**
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26			<0.083	<0.083	<0.8	<0.083
Butyl Benzyl Phthalate	MG/KG	1200		4.6			<0.083	<0.083	<0.8	<0.083
Chrysene	MG/KG	290		24	1.5		<0.004	<0.004	**2.2**	**0.013 J**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.004	<0.004	**0.4**	<0.004
Dibenzofuran	MG/KG	100		3			<0.021	<0.021	<0.2	<0.021
Di-N-Butyl Phthalate	MG/KG	8200		46			<0.083	<0.083	<0.8	<0.083
Fluoranthene	MG/KG	3000		1780	1.9		<0.004	<0.004	**5.6**	**0.009 J**
Fluorene	MG/KG	3000		108	0.085		**0.005 J**	<0.004	**0.39**	<0.004
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		<0.004	<0.004	**1.3**	**0.008 J**
Naphthalene	MG/KG	17		0.0108	1.2		**0.005 J**	<0.004	**1.3**	**0.021**
Phenanthrene	MG/KG	23000			0.87		**0.005 J**	**0.007 J**	**2.1**	**0.019 J**
Pyrene	MG/KG	2300		260	1.5		<0.004	<0.004	**4.1**	**0.018 J**

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-12	SWMU192-12	SWMU192-13	SWMU192-13
						Field Sample ID	28903395	28903396	28912572	28912573
						Sample Name	BEL-S-SWMU192-12(9-10)	BEL-S-SWMU192-12(14-15)	BEL-S-SWMU192-13(0.5-1)	BEL-S-SWMU192-13(7-8)
						Date Sampled	02/19/2013	02/19/2013	02/20/2013	02/20/2013
						Start Depth - End Depth (ft)	9 - 10	14 - 15	0.5 - 1	7 - 8
						Sample Purpose	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil
Inorganics										
Antimony	MG/KG	47	5.4	7	1.4		**0.348**	**0.14 J**	**0.283**	<0.0801
Arsenic	MG/KG	3	5.8	0.03	22		**8.9**	**7.08**	**9.63**	**4.78**
Barium	MG/KG	22000	1640	3200	262		**151**	**181**	**158**	**163**
Beryllium	MG/KG	230	64	380	2.2		**2.02**	**1.47**	**0.999**	**1.19**
Cadmium	MG/KG	98	7.6	13.8	1.4		<0.201	<0.0406	**0.0434 J**	<0.04
Chromium	MG/KG	180000	3600000	80000000	44		**36.8 K**	**23.2 K**	**31.8**	**22.6**
Cobalt	MG/KG	35		5.4	22		**14.3**	**15.1**	**9.01**	**12.3**
Copper	MG/KG	4700	920	560	89		**65.4 K**	**20.8 K**	**239 L**	**43.7 L**
Lead	MG/KG	800	280		106		**15.2**	**19**	**36.8**	**56.6**
Mercury	MG/KG	35	2		4.1		**0.0479 J**	**0.0835 J**	**0.797**	**2.45**
Nickel	MG/KG	2200		520	26		**41.2**	**28.7**	**20.1**	**22.6**
Selenium	MG/KG	580	5.2	10.4	2.2		<0.122	<0.123	**1.03**	**0.212 J**
Silver	MG/KG	580		16	Not Calculated		<0.171	<0.172	**0.6 J**	<0.17
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.203**	**0.228**	**0.22**	**0.178**
Tin	MG/KG	70000		60000	Not Calculated		**4.67 B**	**2.59 B**	**6.05 B**	**2.27 B**
Vanadium	MG/KG	580		1720	67		**29.4**	**33.3**	**21.4**	**26**
Zinc	MG/KG	35000		7400	133		**89.2 K**	**91.8 K**	**80.5**	**86.5**
Miscellaneous										
Percent Moisture	%						**20.3**	**20.4**	**17**	**19.2**

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-13-1	SWMU192-13-2	SWMU192-13-3
						Field Sample ID	SS1113-SWMU192-13-1-0.5	SS1113-SWMU192-13-2-0.5	SS1113-SWMU192-13-3-0.5
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Sample Name			
						Date Sampled	12/12/2013	12/12/2013	12/12/2013
						Start Depth - End Depth (ft)	0.5 - 1	0.5 - 1	0.5 - 1
						Sample Purpose	FS	FS	FS
						Fill or Native Soil	Fill	Fill	Fill
Volatile Organic Compounds									
1,2-Dichlorobenzene	MG/KG	930	11.6	6					
1,4-Dichlorobenzene	MG/KG	11	1.44	0.0092					
Acetone	MG/KG	67000		58					
Benzene	MG/KG	5.1	0.052	0.0046					
Carbon Disulfide	MG/KG	350		4.8					
Carbon Tetrachloride	MG/KG	2.9	0.038	0.0036					
Chlorobenzene	MG/KG	130	1.36	1.06					
Chloroform	MG/KG	1.4	0.44	0.00122					
Ethylbenzene	MG/KG	25	15.6	0.034					
Formaldehyde	MG/KG	73		0.00174					
Methyl Ethyl Ketone	MG/KG	19000		24					
Methyl Methacrylate	MG/KG	1900		6					
Methylene Chloride	MG/KG	320	0.026	0.058					
Tetrachloroethene	MG/KG	39	0.046	0.102					
Toluene	MG/KG	4700	13.8	15.2					
Xylenes	MG/KG	250	196	3.8					
Semi-Volatile Organic Compounds									
1-Methylnaphthalene	MG/KG	73		0.116	0.35		**0.41**	**0.023 J**	**0.11**
2,4-Dimethylphenol	MG/KG	1600		8.4					
2,4-Dinitrophenol	MG/KG	160		0.88					
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.54**	**0.033 J**	**0.15**
2-Methylphenol (O-Cresol)	MG/KG	4100		15					
4-Methylphenol (P-Cresol)	MG/KG	8200		30					
Acenaphthene	MG/KG	4500		110	0.034		**0.013 J**	<0.018	<0.017
Acenaphthylene	MG/KG	4500			0.31		**0.029**	**0.096**	<0.017
Acetophenone	MG/KG	12000		11.6					
Anthracene	MG/KG	23000		1160	0.44		**0.034**	**0.14**	<0.017
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.17**	**0.22**	**0.039 J**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.27**	**0.55**	**0.041 J**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.14**	**0.34**	**0.069 J**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.083**	**0.25**	**0.02 J**
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.16**	**0.36**	<0.017
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26					
Butyl Benzyl Phthalate	MG/KG	1200		4.6					
Chrysene	MG/KG	290		24	1.5		**0.21**	**0.26**	**0.094**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.031**	**0.12**	**0.025 J**
Dibenzofuran	MG/KG	100		3					
Di-N-Butyl Phthalate	MG/KG	8200		46					
Fluoranthene	MG/KG	3000		1780	1.9		**0.23**	**0.077 J**	**0.027 J**
Fluorene	MG/KG	3000		108	0.085		**0.014 J**	<0.018	<0.017
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.1**	**0.33**	**0.022 J**
Naphthalene	MG/KG	17		0.0108	1.2		**0.41**	**0.042 J**	**0.024 J**
Phenanthrene	MG/KG	23000			0.87		**0.39**	**0.06 J**	**0.22**
Pyrene	MG/KG	2300		260	1.5		**0.22**	**0.12**	**0.097**

Table 5.23
RFI Sediment and Soil Results – SWMUs 190 and 192
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-13-1	SWMU192-13-2	SWMU192-13-3
						Field Sample ID	SS1113-SWMU192-13-1-0.5	SS1113-SWMU192-13-2-0.5	SS1113-SWMU192-13-3-0.5
						Sample Name			
						Date Sampled	12/12/2013	12/12/2013	12/12/2013
						Start Depth - End Depth (ft)	0.5 - 1	0.5 - 1	0.5 - 1
						Sample Purpose	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill
Inorganics									
Antimony	MG/KG	47	5.4	7	1.4				
Arsenic	MG/KG	3	5.8	0.03	22				
Barium	MG/KG	22000	1640	3200	262				
Beryllium	MG/KG	230	64	380	2.2				
Cadmium	MG/KG	98	7.6	13.8	1.4				
Chromium	MG/KG	180000	3600000	80000000	44				
Cobalt	MG/KG	35		5.4	22				
Copper	MG/KG	4700	920	560	89				
Lead	MG/KG	800	280		106				
Mercury	MG/KG	35	2		4.1				
Nickel	MG/KG	2200		520	26				
Selenium	MG/KG	580	5.2	10.4	2.2				
Silver	MG/KG	580		16	Not Calculated				
Thallium	MG/KG	1.2	2.8	0.28	0.41				
Tin	MG/KG	70000		60000	Not Calculated				
Vanadium	MG/KG	580		1720	67				
Zinc	MG/KG	35000		7400	133				
Miscellaneous									
Percent Moisture	%						**6.7 J**	**5.5 J**	**4.7 J**

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Table 5.24
RFI Sediment Results – SWMUs 160 and 161
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)	Location ID	SWMU160-1	SWMU160-2	SWMU160-3	SWMU160-4	SWMU160-5	SWMU160-6	SWMU161-1	SWMU161-2	SWMU161-3
		Ind Soil (HQ=0.1)	Field Sample ID	BEL-S-SWMU160-1	BEL-S-SWMU160-2	BEL-S-SWMU160-3	BEL-S-SWMU160-4	BEL-S-SWMU160-5	BEL-S-SWMU160-6	BEL-E-SWMU161-1	BEL-E-SWMU161-2	BEL-E-SWMU161-3
			Sample Name									
			Date Sampled	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/07/2013	05/07/2013	05/07/2013
			Start Depth - End Depth (ft)									
			Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
			Fill or Native Soil	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Volatile Organic Compounds												
Acetone	MG/KG	67000		<0.009	**0.038**	**0.01 J**	**0.084**	**0.042**	**0.04**	<0.009	**0.032**	<0.009
Benzene	MG/KG	5.1		**0.002 J**	**0.0009 J**	<0.0006	**0.001 J**	**0.004 J**	<0.0008	**0.0009 J**	**0.004 J**	<0.0006
Carbon Disulfide	MG/KG	350		**0.005 J**	**0.016**	**0.003 J**	**0.007**	**0.002 J**	**0.005 J**	**0.002 J**	**0.007**	**0.004 J**
Methyl Chloride	MG/KG	46		<0.002	<0.003	<0.002	**0.005 J**	<0.003	<0.003	<0.003	<0.002	<0.003
Toluene	MG/KG	4700		<0.001	<0.001	<0.001	<0.001	**0.002 J**	<0.002	<0.001	<0.001	<0.001
Xylenes	MG/KG	250		<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	**0.002 J**	<0.001	<0.001
Semi-Volatile Organic Compounds												
2,4-Dimethylphenol	MG/KG	1600		<0.022	<0.022	<0.022	<0.022	<0.026	<0.029	**0.061**	<0.021	<0.022
2-Methylnaphthalene	MG/KG	300		**0.16**	**0.053**	**0.061**	**0.064**	**0.17**	**0.11**	**0.17**	**0.064**	**0.18**
3-Methylcholanthrene	MG/KG	0.1		<0.022	<0.022	<0.022	<0.022	<0.026	<0.029	**0.59**	<0.021	<0.022
4-Methylphenol (P-Cresol)	MG/KG	8200		<0.022	<0.022	<0.022	<0.022	<0.026	<0.029	**0.12**	<0.021	<0.022
Acenaphthene	MG/KG	4500		**0.11**	**0.023**	**0.087**	**0.019 J**	**0.037**	**0.018 J**	**1.7**	**0.038**	**0.027**
Acenaphthylene	MG/KG	4500		**0.11**	**0.022**	**0.0210 J**	**0.018 J**	**0.034**	**0.03**	**0.02 J**	**0.01 J**	**0.014 J**
Acetophenone	MG/KG	12000		<0.022	<0.022	<0.022	<0.022	<0.026	<0.029	**0.16**	<0.021	<0.022
Anthracene	MG/KG	23000		**0.21**	**0.022**	**0.099**	**0.021 J**	**0.051**	**0.06**	**4.8**	**0.026**	**0.028**
Benzo(A)Anthracene	MG/KG	2.9		**0.35**	**0.043**	**0.28**	**0.065**	**0.14**	**0.14**	**16**	**0.17**	**0.072**
Benzo(B)Fluoranthene	MG/KG	2.9		**0.4**	**0.063**	**0.27**	**0.11**	**0.2**	**0.18**	**19**	**0.28**	**0.092**
Benzo(G,H,I)Perylene	MG/KG	2300		**0.24**	**0.045**	**0.11**	**0.062**	**0.11**	**0.094**	**7.1**	**0.13**	**0.048**
Benzo(K)Fluoranthene	MG/KG	29		**0.16**	**0.025**	**0.083**	**0.036**	**0.066**	**0.089**	**7**	**0.11**	**0.026**
Benzo[A]Pyrene	MG/KG	0.29		**0.34**	**0.045**	**0.19**	**0.059**	**0.12**	**0.12**	**12**	**0.18**	**0.045**
Bis(2-Ethylhexyl)Phthalate	MG/KG	160		<0.088	<0.087	<0.0870	<0.087	**0.14 J**	<0.11	<0.095	<0.085	<0.089
Chrysene	MG/KG	290		**0.3**	**0.065**	**0.29**	**0.081**	**0.18**	**0.18**	**17**	**0.32**	**0.078**
Dibenz(A,H)Anthracene	MG/KG	0.29		**0.062**	**0.023**	**0.046**	**0.016 J**	**0.029**	<0.006	**2.6**	**0.044**	**0.013 J**
Dibenzofuran	MG/KG	100		**0.1**	<0.022	**0.043 J**	**0.026 J**	**0.053**	**0.036 J**	**0.62**	**0.057**	**0.075**
Fluoranthene	MG/KG	3000		**0.81**	**0.14**	**0.56**	**0.11**	**0.27**	**0.33**	**46**	**0.57**	**0.15 J**
Fluorene	MG/KG	3000		**0.13**	<0.004	**0.041**	**0.029**	**0.038**	**0.025 J**	**1.2**	**0.032**	**0.025**
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		**0.2**	**0.032**	**0.1**	**0.047**	**0.073**	**0.089**	**7.4**	**0.12**	**0.034**
Naphthalene	MG/KG	17		**0.25**	**0.056**	**0.1**	**0.072**	**0.26**	**0.1**	**0.21**	**0.11**	**0.25**
N-Dioctyl Phthalate	MG/KG	820		<0.088	<0.087	<0.087	<0.087	**0.4**	<0.11	<0.095	<0.085	<0.089
Phenanthrene	MG/KG	23000		**0.65**	**0.1**	**0.3**	**0.079**	**0.18**	**0.22**	**34**	**0.63**	**0.16 J**
Pyrene	MG/KG	2300		**0.72**	**0.13**	**0.5**	**0.12**	**0.24**	**0.29**	**34**	**0.53**	**0.13 J**
Inorganics												
Antimony	MG/KG	47		**1.02**	**1.22**	**0.915**	**1.57**	**2.35**	**1.36**	**0.37**	**0.261**	**0.316 J**
Arsenic	MG/KG	3		**5.02 J**	**6.31 J**	**4.18 J**	**6.39 J**	**3.23 J**	**3.86 J**	**2.87 J**	**4.2 J**	**4.02 J**
Barium	MG/KG	22000		**63.5**	**59.6**	**36.9**	**52.9**	**84.5**	**86.7**	**52.3**	**45.4**	**52.7 J**
Beryllium	MG/KG	230		**1.57**	**0.915**	**0.595 J**	**0.816**	**0.885**	**0.975**	**0.675 J**	**0.629 J**	**0.615 J**
Cadmium	MG/KG	98		**0.29 J**	**0.24 J**	**0.212 J**	**0.364 J**	**0.393 J**	**0.46 J**	**0.424 J**	**0.312 J**	**0.231 J**
Chromium	MG/KG	180000		**16.5 J**	**12 J**	**41.2 J**	**81 J**	**16 J**	**17.6 J**	**10.8 J**	**11.5 J**	**28.3 J**
Cobalt	MG/KG	35		**9.11**	**9.07**	**6.04**	**9.7**	**10.3**	**13.5**	**7.85**	**7.42**	**6.28**
Copper	MG/KG	4700		**183 J**	**64.1 J**	**220 J**	**686 J**	**48.6 J**	**62.2 J**	**37.7 J**	**45.9 J**	**489 J**
Lead	MG/KG	800		**19.3 J**	**36.6 J**	**12.5 J**	**16.4 J**	**24.2 J**	**26.4 J**	**15.0 J**	**13.5 J**	**13.2**
Mercury	MG/KG	35		**0.166 J**	**0.0748 J**	**0.184 J**	**0.153 J**	**0.174 J**	**0.61 J**	**0.086 J**	**0.705 J**	**0.174 J**
Nickel	MG/KG	2200		**16.6**	**15.8**	**11.2**	**56.1**	**18.8**	**24.3**	**13.6 J**	**14.1 J**	**11.7**
Selenium	MG/KG	580		**0.303 J**	**0.252 J**	**0.253 J**	**0.426 J**	**0.648**	**1.1**	**0.297 J**	**0.176 J**	**0.182 J**
Silver	MG/KG	580		<0.18	<0.182	<0.179	<0.177	**3.23**	<0.231	<0.197	**0.222 J**	<0.183
Thallium	MG/KG	1.2		**0.0667 J**	**0.0902 J**	**0.104 J**	**0.126 J**	**0.157**	**0.235**	**0.0697 J**	**0.063 J**	**0.0537 J**
Tin	MG/KG	70000		**4.18 B**	**3.58 B**	**3.27 B**	**2.7 B**	**5.05 B**	**4.62 B**	**3.17 B**	**2.35 B**	**2.41 B**
Vanadium	MG/KG	580		**11.7**	**12.3**	**9.09**	**12.9**	**12.4**	**15.8**	**8.99**	**10.3**	**7.9**
Zinc	MG/KG	35000		**213 J**	**213 J**	**104 J**	**140 J**	**259 J**	**234 J**	**160 J**	**147 J**	**92.9 J**
Miscellaneous												
Percent Moisture	%			**24.4**	**24.5 J**	**23.9 J**	**23.4 J**	**35.7 J**	**41.7 J**	**29.7**	**21.3**	**25.7**

Table 5.24
RFI Sediment Results – SWMUs 160 and 161
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Footnotes:
1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Pink Shaded Cells = Concentration above the EPA Industrial Soil SL and the Historic Fill 95% UTL (where applicable)
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise

Table 5.25
RFI Soil Results – AOC F and SWMUs 53, 115, and 147
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	HP-3	SWMU53-1	SWMU53-1	SWMU115-2	SWMU115-3	SWMU115-3	AOCF-1	AOCF-2	AOCF-3
						Field Sample ID	7651348	28688810	28688811	28648384	28648382	28648385	BEL-S-AOCF-1	BEL-S-AOCF-2	BEL-S-AOCF-3
						Sample Name	BEL-S-HP-3(4.5-6)	BEL-S-SWMU53-1(0.5-1)	BEL-S-SWMU53-1(16-17)	BEL-S-SWMU115-2(22-23)	BEL-S-SWMU115-3(0.5-1)	BEL-S-SWMU115-3(7-8)			
						Date Sampled	09/28/2000	12/06/2012	12/06/2012	12/05/2012	12/05/2012	12/05/2012	05/07/2013	05/07/2013	05/07/2013
						Start Depth - End Depth (ft)	4.5 - 6	0.5 - 1	16 - 17	22 - 23	0.5 - 1	7 - 8			
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Native Soil	Native Soil	Fill	Native Soil	Sediment	Sediment	Sediment
Volatile Organic Compounds															
1,2-Dichlorobenzene	MG/KG	930	11.6	6			<0.0390	<0.002	<0.045	<0.001	<0.0009	<0.001			
Acetone	MG/KG	67000		58			<0.0060	**0.028 J**	<0.32	<0.007	<0.006	<0.007			
Benzene	MG/KG	5.1	0.052	0.0046			<0.00090	**0.001 J**	<0.023	<0.0005	<0.0005	<0.0005			
Carbon Disulfide	MG/KG	350		4.8			**0.0030 J**	**0.003 J**	**0.38**	<0.001	**0.014**	**0.001 J**			
Chloroform	MG/KG	1.4	0.44	0.00122			<0.00090	**0.009**	<0.045	<0.001	<0.0009	<0.001			
Formaldehyde	MG/KG	73		0.00174						**2.9 J**	**9.1**	**4.5**	<1.6	<1.6	<1.6
Methylene Chloride	MG/KG	320	0.026	0.058			<0.0020	**0.005 J**	<0.09	<0.002	<0.002	<0.002			
Tetrachloroethene	MG/KG	39	0.046	0.102			<0.00090	**0.002 J**	<0.045	<0.001	<0.0009	<0.001			
Semi-Volatile Organic Compounds															
2-Methylnaphthalene	MG/KG	300		3.8	0.47		<0.0390	**0.044**	**0.44**	**0.008 J**	**0.074**	**0.21**			
Acenaphthene	MG/KG	4500		110	0.034		<0.0390	<0.004	**0.091**	<0.004	<0.004	**0.004 J**			
Acenaphthylene	MG/KG	4500			0.31		**0.0540 J**	**0.006 J**	**0.053**	<0.004	**0.004 J**	**0.005 J**			
Acetophenone	MG/KG	12000		11.6			<0.0390	<0.02	**0.031 J**	<0.021	<0.019	<0.019			
Anthracene	MG/KG	23000		1160	0.44		<0.0390	**0.012 J**	**0.45**	<0.004	**0.006 J**	**0.011 J**			
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.0530 J**	**0.043**	**0.35**	<0.004	**0.014 J**	**0.013 J**			
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.1300 J**	**0.068**	**0.38**	**0.01 J**	**0.022**	**0.016 J**			
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.0820 J**	**0.035**	**0.21**	**0.008 J**	**0.017 J**	**0.015 J**			
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.0520 J**	**0.029**	**0.17**	<0.004	**0.01 J**	**0.006 J**			
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.0930 J**	**0.043**	**0.32**	<0.004	**0.015 J**	**0.012 J**			
Chrysene	MG/KG	290		24	1.5		**0.0490 J**	**0.051**	**0.34**	**0.01 J**	**0.023**	**0.022**			
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.0390	**0.012 J**	**0.044**	<0.004	**0.004 J**	**0.004 J**			
Dibenzofuran	MG/KG	100		3			<0.0390	**0.022 J**	**0.53**	<0.021	<0.019	**0.037 J**			
Fluoranthene	MG/KG	3000		1780	1.9		**0.0980 J**	**0.075**	**1.3**	<0.004	**0.031**	**0.021**			
Fluorene	MG/KG	3000		108	0.085		**0.1400 J**	**0.005 J**	**0.83**	<0.004	**0.005 J**	**0.011 J**			
Hexachlorobenzene	MG/KG	0.96	0.26	0.0024			<0.0390	<0.004	<0.004	<0.004	**0.009 J**	<0.004			
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.0860 J**	**0.027**	**0.17**	<0.004	**0.009 J**	**0.004 J**			
Naphthalene	MG/KG	17		0.0108	1.2		<0.0390	**0.028**	**3.4**	**0.005 J**	**0.06**	**0.14**			
Phenanthrene	MG/KG	23000			0.87		**0.0470 J**	**0.1**	**1.9**	**0.014 J**	**0.05**	**0.087**			
Pyrene	MG/KG	2300		260	1.5		**0.0970 J**	**0.066**	**1**	<0.004	**0.032**	**0.027**			
Herbicides/Pesticides															
4,4'-DDD	MG/KG	9.6		0.144			**0.000190 J**								
4,4'-DDT	MG/KG	8.6		1.54			**0.000410 J**								
Endosulfan Sulfate	MG/KG						**0.000500 J**								
2,4-Dichlorophenoxyacetic Acid	MG/KG	970	0.36	0.9			<0.00390	**0.021 J**	<0.0140 UJ						
Inorganics															
Antimony	MG/KG	47	5.4	7	1.425		<2.5	**1.72**	**0.236 J**	<0.0789	**0.0957 J**	<0.0764			
Arsenic	MG/KG	3	5.8	0.03	21.98		**6.4**	**13.6**	**6.78**	**2.98**	**5.51**	**2.77**			
Barium	MG/KG	22000	1640	3200	261.8		**134**	**101**	**98.4**	**110**	**590**	**95.1**			
Beryllium	MG/KG	230	64	380	2.231		**0.93**	**0.483 J**	**0.804**	**0.846**	**0.899**	**0.728**			
Cadmium	MG/KG	98	7.6	13.8	1.37		**0.40 J**	<0.0393	<0.0392	<0.0395	<0.0364	<0.0382			
Chromium	MG/KG	180000	3600000	80000000	43.97		**19.4**	**51.2 K**	**18.4 K**	**19.4 K**	**16.6 K**	**13.2 K**			
Cobalt	MG/KG	35		5.4	22.27		**9.2**	**3.42**	**5.15**	**11**	**7.66**	**7.34**			
Copper	MG/KG	4700	920	560	88.55		**79.5**	**820 K**	**31.9 K**	**14.5 K**	**21.8 K**	**8.65 K**			
Lead	MG/KG	800	280		105.7		**25.0**	**101**	**24.8**	**13**	**21.2**	**10.6**			
Mercury	MG/KG	35	2		4.14		**0.88**	**6.72**	**0.0235 J**	**0.0236 J**	**0.0643 J**	**0.0211 J**			
Nickel	MG/KG	2200		520	25.9		**19.7**	**12.4**	**19.8**	**21**	**18.3**	**14.3**			
Selenium	MG/KG	580	5.2	10.4	2.194		**0.63 J**	**1.05**	**0.596**	**0.547**	**0.152 J**	**0.17 J**			
Silver	MG/KG	580		16	Not Calculated		<0.36	**0.573 J**	<0.166	<0.167	<0.155	<0.162			
Thallium	MG/KG	1.2	2.8	0.28	0.409		<0.54	**0.27**	**0.295**	**0.163**	**0.142**	**0.111 J**			
Tin	MG/KG	70000		60000	Not Calculated		<4.2	**3.52 B**	**2.73 B**	**2.65 B**	**2.59 B**	**2.49 B**			
Vanadium	MG/KG	580		1720	67.39		**19.1**	**7.40**	**24**	**28.7**	**21.5**	**17.2**			
Zinc	MG/KG	35000		7400	133.4		**60.4**	**33.5**	**56.4**	**63.1**	**57.5**	**43**			
Miscellaneous															
Percent Moisture	%							**17.6**	**17.4**	**19.6**	**12.9**	**14.5**	**23**	**26.3**	**24.7**
Percent Moisture	% BY WT.						**14.5**								

Table 5.25
RFI Soil Results – AOC F and SWMUs 53, 115, and 147
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Footnotes:
1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
UJ-Not detected; reporting limit may not be accurate or precise

Table 5.26
RFI Groundwater Results – AOC F and SWMUs 53, 115, and 147
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	HP-3	HP-3	HP-3
				EPA SL Tap Water	Federal MCL	Field Sample ID	7651589	7651828	7651853
						Sample Name	BEL-G-HP-3	BEL-G-HP-3-DIS	BEL-G-HP-3-DIS-2
						Date Sampled	09/28/2000	09/28/2000	09/28/2000
						Sample Purpose	FS	FS	DUP
Volatile Organic Compounds									
Methyl Ethyl Ketone	78-93-3	N	UG/L	560			**4 J**		
Pesticides and Herbicides									
beta-BHC	319-85-7	N	UG/L	0.025			**0.0123**		
Heptachlor	76-44-8	N	UG/L	0.002	0.4		**0.0024 J**		
2,4,5-T	93-76-5	N	UG/L	16			**0.0278 J**		
Inorganics									
Arsenic	7440-38-2	N	UG/L	0.052	10		**14**		
Arsenic	7440-38-2	Y	UG/L	0.052	10			**14.3**	**15.4**
Barium	7440-39-3	N	UG/L	380	2000		**148**		
Barium	7440-39-3	Y	UG/L	380	2000			**159**	**135**
Chromium	7440-47-3	N	UG/L	2200	100		**22.3 J**		
Chromium	7440-47-3	Y	UG/L	2200	100			<6.6	<6.6
Copper	7440-50-8	N	UG/L	80	1300		**20.9 J**		
Copper	7440-50-8	Y	UG/L	80	1300			<2.7	<2.7
Lead	7439-92-1	N	UG/L	15	15		**4.1**		
Lead	7439-92-1	Y	UG/L	15	15			<1.9	<1.9
Mercury	7439-97-6	N	UG/L	0.063	2		**0.17 J**		
Mercury	7439-97-6	Y	UG/L	0.063	2			<0.048	<0.048
Nickel	7440-02-0	N	UG/L	39			**8.9 J**		
Nickel	7440-02-0	Y	UG/L	39				<8.4	<8.4
Selenium	7782-49-2	N	UG/L	10	50		**1.9 B**		
Selenium	7782-49-2	Y	UG/L	10	50			**1.3 J**	<1.3
Vanadium	7440-62-2	N	UG/L	8.6			**3.2 J**		
Vanadium	7440-62-2	Y	UG/L	8.6				<2.6	<2.6
Zinc	7440-66-6	N	UG/L	600			**45.8 B**		
Zinc	7440-66-6	Y	UG/L	600				<8.6	<8.6

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
J-Analyte present; reported value may not be accurate or precise
B-Not detected substantially above the level reported in the laboratory or field blanks

Table 5.27
RFI Soil Results – SWMU 148
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU192-5	SWMU192-5
						Field Sample ID	28912565	28912566
						Sample Name	BEL-S-SWMU192-5(0.5-1)	BEL-S-SWMU192-5(17-18)
						Date Sampled	02/20/2013	02/20/2013
						Start Depth - End Depth (ft)	0.5 - 1	17 - 18
						Sample Purpose	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil
Volatile Organic Compounds								
Acetone	MG/KG	67000		58			**0.027**	**0.012 J**
Benzene	MG/KG	5.1	0.052	0.0046			<0.0005	<0.0005
Carbon Disulfide	MG/KG	350		4.8			<0.001	**0.006**
Chloroform	MG/KG	1.4	0.44	0.00122			<0.001	<0.001
Formaldehyde	MG/KG	73		0.00174			**33 J**	**36**
Toluene	MG/KG	4700	13.8	15.2			<0.001	<0.001
Trichloroethene	MG/KG	1.9	0.036	0.0036			<0.001	<0.001
Semi-Volatile Organic Compounds								
2,4-Dimethylphenol	MG/KG	1600		8.4			<0.21	<0.042
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.069 J**	<0.008
Acenaphthene	MG/KG	4500		110	0.034		<0.042	<0.008
Acenaphthylene	MG/KG	4500			0.31		<0.042	<0.008
Anthracene	MG/KG	23000		1160	0.44		<0.042	<0.008
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.096 J**	<0.008
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.18 J**	<0.008
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.087 J**	<0.008
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		<0.042	<0.008
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.12 J**	<0.008
Butyl Benzyl Phthalate	MG/KG	1200		4.6			<0.84	<0.17
Chrysene	MG/KG	290		24	1.5		**0.12 J**	<0.008
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.042	<0.008
Dibenzofuran	MG/KG	100		3			<0.21	<0.042
Fluoranthene	MG/KG	3000		1780	1.9		**0.16 J**	<0.008
Fluorene	MG/KG	3000		108	0.085		**0.043 J**	<0.008
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.099 J**	<0.008
Isodrin	MG/KG						<0.21	<0.042
Naphthalene	MG/KG	17		0.0108	1.2		**0.12 J**	<0.008
Phenanthrene	MG/KG	23000			0.87		**0.1 J**	**0.01 J**
Pyrene	MG/KG	2300		260	1.5		**0.13 J**	<0.008
Inorganics								
Antimony	MG/KG	47	5.4	7	1.4		**0.618**	<0.0826
Arsenic	MG/KG	3	5.8	0.03	22		**12.5**	**9.49**
Barium	MG/KG	22000	1640	3200	262		**166**	**199**
Beryllium	MG/KG	230	64	380	2.2		**0.858**	**1.65**
Cadmium	MG/KG	98	7.6	13.8	1.4		<0.0399	**0.338 J**
Chromium	MG/KG	180000	3600000	80000000	44		**196**	**28.2**
Cobalt	MG/KG	35		5.4	22		**6.77**	**16**
Copper	MG/KG	4700	920	560	89		**1670 L**	**26.9 L**
Lead	MG/KG	800	280		106		**335**	**20.4**
Mercury	MG/KG	35	2		4.1		**3.35**	**0.0423 J**
Nickel	MG/KG	2200		520	26		**19.2**	**30.8**
Selenium	MG/KG	580	5.2	10.4	2.2		**0.616**	**0.233 J**
Silver	MG/KG	580		16	Not Calculated		<0.169	<0.175
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.213**	**0.309**
Tin	MG/KG	70000		60000	Not Calculated		**3.88 B**	**2.56 B**
Vanadium	MG/KG	580		1720	67		**18.9**	**36.7**
Zinc	MG/KG	35000		7400	133		**821**	**106**
Miscellaneous								
Percent Moisture	%						**20.4**	**20.9**

Table 5.27
RFI Soil Results – SWMU 148
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Footnotes:
1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)

B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
L-Analyte present; reported value may be biased low when the actual value is expected to be higher

Table 5.28
RFI Groundwater Results – SWMU 148
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	SWMU148-1	SWMU148-2	148-3DO	148-3DO	148-3SO	148-3SO	148-4DO
				EPA SL Tap Water	Federal MCL	Field Sample ID	GW1113-SWMU148-1	GW1113-SWMU148-2	P41014-148-3DO-Z	P41014-148-3DO-Z-D	P41014-148-3SO	P41014-148-3SO-D	P41014-148-4DO-Z
						Date Sampled	12/18/2013	12/26/2013	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/10/2014
						Sample Purpose	FS	FS	FS	DUP	FS	DUP	FS
Volatile Organic Compounds													
1,2-Dichlorobenzene	95-50-1	N	UG/L	30	600		**2 J**	<1					
2-Hexanone	591-78-6	N	UG/L	3.8			**8 J**	<3			<3	<3	
Acetone	67-64-1	N	UG/L	1400			**11 J**	<6			<6	<6	
Acetonitrile	75-05-8	N	UG/L	13			**100 J**	<25			<25	<25	
Benzene	71-43-2	N	UG/L	0.45	5		**1500**	<0.5			<0.5	<0.5	
Carbon Disulfide	75-15-0	N	UG/L	81			**2 J**	<1			<1	<1	
Chlorobenzene	108-90-7	N	UG/L	7.8	100		**1200**	<0.8			<0.5	<0.5	
Ethylbenzene	100-41-4	N	UG/L	1.5	700		**54**	<0.8			<0.5	<0.5	
Formaldehyde	50-00-0	N	UG/L	0.43			<30	**6100**					
Formaldehyde	50-00-0	Y	UG/L	0.43					**29 B**	**27 B**			**39 J**
Styrene	100-42-5	N	UG/L	120	100		**84**	<1			<1	<1	
Toluene	108-88-3	N	UG/L	110	1000		**600**	<0.7			<0.5	<0.5	
Xylenes	1330-20-7	N	UG/L	19	10000		**490**	<0.8			<0.5	<0.5	
Semi-Volatile Organic Compounds													
1,4-Dioxane	123-91-1	N	UG/L	0.67			<11	**6**			<1	<1	
1,4-Dioxane	123-91-1	Y	UG/L	0.67					<1	<1			**4 J**
2,4-Dimethylphenol	105-67-9	N	UG/L	36			**1600**	<0.5					
2-Methylnaphthalene	91-57-6	N	UG/L	3.6			**1300**	**0.1 J**					
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L	93			**3200**	<0.5					
2-Picoline	109-06-8	N	UG/L				**130**	<2					
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L	190			**9600**	<0.5					
Acenaphthene	83-32-9	N	UG/L	53			**200**	**1**					
Acenaphthylene	208-96-8	N	UG/L	53			**310**	**1**					
Aniline	62-53-3	N	UG/L	13			**420**	<0.5					
Anthracene	120-12-7	N	UG/L	180			**690**	**1**					
Benzo(A)Anthracene	56-55-3	N	UG/L	0.012			**620**	**1**					
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.034			**500**	**1**					
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	12			**290**	**0.8**					
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.34			**230**	**0.7**					
Benzo[A]Pyrene	50-32-8	N	UG/L	0.0034	0.2		**530**	**1**					
Chrysene	218-01-9	N	UG/L	3.4			**590**	**1**					
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.0034			**63**	<0.1					
Dibenzofuran	132-64-9	N	UG/L	0.79			**880**	**1**					
Fluoranthene	206-44-0	N	UG/L	80			**1700**	**4**					
Fluorene	86-73-7	N	UG/L	29			**960**	**3**					
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.034			**270**	**0.8**					
Naphthalene	91-20-3	N	UG/L	0.17			**15000**	**0.4 J**					
Naphthalene	91-20-3	Y	UG/L	0.17							<0.1	<0.1	
O-Toluidine	95-53-4	N	UG/L				**190**	<0.5					
Phenanthrene	85-01-8	N	UG/L	180			**3100**	**5**					
Phenol	108-95-2	N	UG/L	580			**14000**	<0.5					
Pyrene	129-00-0	N	UG/L	12			**1400**	**3**					
Pyridine	110-86-1	N	UG/L	2			**490**	<2					

Table 5.28
RFI Groundwater Results – SWMU 148
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	SWMU148-1	SWMU148-2	148-3DO	148-3DO	148-3SO	148-3SO	148-4DO
				EPA SL Tap Water	Federal MCL	Field Sample ID	GW1113-SWMU148-1	GW1113-SWMU148-2	P41014-148-3DO-Z	P41014-148-3DO-Z-D	P41014-148-3SO	P41014-148-3SO-D	P41014-148-4DO-Z
						Date Sampled	12/18/2013	12/26/2013	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/10/2014
						Sample Purpose	FS	FS	FS	DUP	FS	DUP	FS
Inorganics													
Antimony	7440-36-0	N	UG/L	0.78	6		<1.7	**24.4 J**					
Arsenic	7440-38-2	N	UG/L	0.052	10		**162**	**3710**					
Barium	7440-39-3	N	UG/L	380	2000		**6970**	**7400**					
Beryllium	7440-41-7	N	UG/L	2.5	4		**47.6**	**127**					
Cadmium	7440-43-9	N	UG/L	0.92	5		<3.8	**39.9**					
Chromium	7440-47-3	N	UG/L	2200	100		**940**	**17400**					
Cobalt	7440-48-4	N	UG/L	0.6			**455**	**889**					
Copper	7440-50-8	N	UG/L	80	1300		**1240**	**315000**					
Lead	7439-92-1	N	UG/L	15	15		**1050**	**17400**					
Mercury	7439-97-6	N	UG/L	0.063	2		**1.9**	**104**					
Nickel	7440-02-0	N	UG/L	39			**784**	**2730**					
Selenium	7782-49-2	N	UG/L	10	50		**6.4 J**	**286**					
Silver	7440-22-4	N	UG/L	9.4			**5.7**	**44.5**					
Thallium	7440-28-0	N	UG/L	0.02	2		**4.4 J**	**95.3**					
Tin	7440-31-5	N	UG/L	1200			**46**	**122**					
Vanadium	7440-62-2	N	UG/L	8.6			**957**	**1540**					
Zinc	7440-66-6	N	UG/L	600			**4070**	**97600**					

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
J-Analyte present; reported value may not be accurate or precise
B-Not detected substantially above the level reported in the laboratory or field blanks

Table 5.28
RFI Groundwater Results – SWMU 148
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	148-4SO	148-5DO	148-5SO	148-6DO	148-6SO
				EPA SL Tap Water	Federal MCL	Field Sample ID	P41014-148-4SO	P41014-148-5DO-Z	P41014-148-5SO	P41014-148-6DO-Z	P41014-148-6SO
						Date Sampled	11/10/2014	11/10/2014	11/10/2014	11/10/2014	11/10/2014
						Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,2-Dichlorobenzene	95-50-1	N	UG/L	30	600						
2-Hexanone	591-78-6	N	UG/L	3.8			<3		<3		<3
Acetone	67-64-1	N	UG/L	1400			<6		<6		<6
Acetonitrile	75-05-8	N	UG/L	13			<25		<25		<25
Benzene	71-43-2	N	UG/L	0.45	5		<0.5		<0.5		<0.5
Carbon Disulfide	75-15-0	N	UG/L	81			<1		<1		<1
Chlorobenzene	108-90-7	N	UG/L	7.8	100		<0.5		<0.5		<0.5
Ethylbenzene	100-41-4	N	UG/L	1.5	700		<0.5		<0.5		<0.5
Formaldehyde	50-00-0	N	UG/L	0.43							
Formaldehyde	50-00-0	Y	UG/L	0.43				**26 J**		<200	
Styrene	100-42-5	N	UG/L	120	100		<1		<1		<1
Toluene	108-88-3	N	UG/L	110	1000		<0.5		<0.5		<0.5
Xylenes	1330-20-7	N	UG/L	19	10000		<0.5		<0.5		<0.5
Semi-Volatile Organic Compounds											
1,4-Dioxane	123-91-1	N	UG/L	0.67			<1		<1		**1 J**
1,4-Dioxane	123-91-1	Y	UG/L	0.67				**1 J**		**13**	
2,4-Dimethylphenol	105-67-9	N	UG/L	36							
2-Methylnaphthalene	91-57-6	N	UG/L	3.6							
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L	93							
2-Picoline	109-06-8	N	UG/L								
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L	190							
Acenaphthene	83-32-9	N	UG/L	53							
Acenaphthylene	208-96-8	N	UG/L	53							
Aniline	62-53-3	N	UG/L	13							
Anthracene	120-12-7	N	UG/L	180							
Benzo(A)Anthracene	56-55-3	N	UG/L	0.012							
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.034							
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	12							
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.34							
Benzo[A]Pyrene	50-32-8	N	UG/L	0.0034	0.2						
Chrysene	218-01-9	N	UG/L	3.4							
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.0034							
Dibenzofuran	132-64-9	N	UG/L	0.79							
Fluoranthene	206-44-0	N	UG/L	80							
Fluorene	86-73-7	N	UG/L	29							
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.034							
Naphthalene	91-20-3	N	UG/L	0.17							
Naphthalene	91-20-3	Y	UG/L	0.17			**0.4 J**		**0.1 J**		**0.1 J**
O-Toluidine	95-53-4	N	UG/L								
Phenanthrene	85-01-8	N	UG/L	180							
Phenol	108-95-2	N	UG/L	580							
Pyrene	129-00-0	N	UG/L	12							
Pyridine	110-86-1	N	UG/L	2							

Table 5.28
RFI Groundwater Results – SWMU 148
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	148-4SO	148-5DO	148-5SO	148-6DO	148-6SO
				EPA SL Tap Water	Federal MCL	Field Sample ID	P41014-148-4SO	P41014-148-5DO-Z	P41014-148-5SO	P41014-148-6DO-Z	P41014-148-6SO
						Date Sampled	11/10/2014	11/10/2014	11/10/2014	11/10/2014	11/10/2014
						Sample Purpose	FS	FS	FS	FS	FS
Inorganics											
Antimony	7440-36-0	N	UG/L	0.78	6						
Arsenic	7440-38-2	N	UG/L	0.052	10						
Barium	7440-39-3	N	UG/L	380	2000						
Beryllium	7440-41-7	N	UG/L	2.5	4						
Cadmium	7440-43-9	N	UG/L	0.92	5						
Chromium	7440-47-3	N	UG/L	2200	100						
Cobalt	7440-48-4	N	UG/L	0.6							
Copper	7440-50-8	N	UG/L	80	1300						
Lead	7439-92-1	N	UG/L	15	15						
Mercury	7439-97-6	N	UG/L	0.063	2						
Nickel	7440-02-0	N	UG/L	39							
Selenium	7782-49-2	N	UG/L	10	50						
Silver	7440-22-4	N	UG/L	9.4							
Thallium	7440-28-0	N	UG/L	0.02	2						
Tin	7440-31-5	N	UG/L	1200							
Vanadium	7440-62-2	N	UG/L	8.6							
Zinc	7440-66-6	N	UG/L	600							

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
J-Analyte present; reported value may not be accurate or precise
B-Not detected substantially above the level reported in the laboratory or field blanks

Table 5.29
RFI Soil Results – SWMUs 97, 105, 106, 109, 149, and Small Lots Manufacturing
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	HP-34	SLM-2	SLM-3	SLM-4	SLM-5	SLM-6	SLM-7
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7643922	P4S-0713-SLM-2-13-14	P4S-0713-SLM-3-4-5	P4S-0713-SLM-4-7-8	P4S-0713-SLM-5-10-11	P4S-0713-SLM-6-7-8	P4S-0713-SLM-7-7-8
						Sample Name	BEL-S-HP-34(4.5-5.5)						
						Date Sampled	10/18/2000	07/18/2013	07/18/2013	07/18/2013	07/18/2013	07/19/2013	07/19/2013
						Start Depth - End Depth (ft)	4.5 - 5.5						
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS
						Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill	Fill
Volatile Organic Compounds													
1,2-Dichlorobenzene	MG/KG	930	11.6	6			<0.041	<0.049	**0.032**	<0.0009	<0.0009	<0.001	**2**
1,4-Dichlorobenzene	MG/KG	11	1.44	0.0092			<0.041	<0.049	<0.0009	<0.0009	<0.0009	<0.001	<0.051
Acetone	MG/KG	67000		58			<0.008	<0.34	**0.015 J**	<0.006	**0.011 J**	<0.008	<0.36
Benzene	MG/KG	5.1	0.052	0.0046			**0.002 J**	<0.024	**0.002 J**	<0.0004	<0.0005	<0.0005	<0.026
Carbon Disulfide	MG/KG	350		4.8			**0.001 J**	<0.049	<0.0009	<0.0009	<0.0009	<0.001	<0.051
Chlorobenzene	MG/KG	130	1.36	1.06			**1**	<0.049	**0.04**	<0.0009	<0.0009	<0.001	**2**
Chloroform	MG/KG	1.4	0.44	0.00122			**0.004 J**	<0.049	<0.0009	<0.0009	<0.0009	<0.001	<0.051
Ethylbenzene	MG/KG	25	15.6	0.034			**0.004 J**	**8.1**	<0.0009	<0.0009	<0.0009	<0.001	**13**
Methyl Ethyl Ketone	MG/KG	19000		24			<0.004	<0.2	<0.004	<0.004	<0.004	<0.004	<0.2
Methylene Chloride	MG/KG	320	0.026	0.058			**0.008**	<0.098	<0.002	<0.002	<0.002	<0.002	<0.1
Toluene	MG/KG	4700	13.8	15.2			<0.001	**0.21 J**	<0.0009	<0.0009	<0.0009	<0.001	**0.29**
Xylenes	MG/KG	250	196	3.8			**0.022**	**23**	<0.0009	<0.0009	<0.0009	<0.001	**55**
Semi-Volatile Organic Compounds													
2-Methylnaphthalene	MG/KG	300		3.8	0.47		<0.041						
Acenaphthene	MG/KG	4500		110	0.034		<0.041						
Acenaphthylene	MG/KG	4500			0.31		<0.041						
Acetophenone	MG/KG	12000		11.6			<0.041						
Anthracene	MG/KG	23000		1160	0.44		<0.041						
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		<0.041						
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		<0.041						
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		<0.041						
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		<0.041						
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		<0.041						
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26			<0.083						
Chrysene	MG/KG	290		24	1.5		<0.041						
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.041						
Dibenzofuran	MG/KG	100		3			<0.041						
Fluoranthene	MG/KG	3000		1780	1.9		<0.041						
Fluorene	MG/KG	3000		108	0.085		<0.041						
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		<0.041						
Naphthalene	MG/KG	17		0.0108	1.2		<0.041						
Phenanthrene	MG/KG	23000			0.87		<0.041						
Phenol	MG/KG	25000		66			<0.083						
Pyrene	MG/KG	2300		260	1.5		<0.041						
Inorganics													
Antimony	MG/KG	47	5.4	7	1.4		<2.7 UL						
Arsenic	MG/KG	3	5.8	0.03	22		**4.5**						
Barium	MG/KG	22000	1640	3200	262		**135**						
Beryllium	MG/KG	230	64	380	2.2		**0.81**						
Cadmium	MG/KG	98	7.6	13.8	1.4		<0.27 UL						
Chromium	MG/KG	180000	3600000	80000000	44		**14.2**						
Cobalt	MG/KG	35		5.4	22		**8.4**						
Copper	MG/KG	4700	920	560	89		**13.5**						
Iron	MG/KG	82000		7000									
Lead	MG/KG	800	280		106		**44.2**						
Manganese	MG/KG	2600		560									
Mercury	MG/KG	35	2		4.1		**0.069 J**						

Table 5.29
RFI Soil Results – SWMUs 97, 105, 106, 109, 149, and Small Lots Manufacturing
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	HP-34	SLM-2	SLM-3	SLM-4	SLM-5	SLM-6	SLM-7
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7643922	P4S-0713-SLM-2-13-14	P4S-0713-SLM-3-4-5	P4S-0713-SLM-4-7-8	P4S-0713-SLM-5-10-11	P4S-0713-SLM-6-7-8	P4S-0713-SLM-7-7-8
						Sample Name	BEL-S-HP-34(4.5-5.5)						
						Date Sampled	10/18/2000	07/18/2013	07/18/2013	07/18/2013	07/18/2013	07/19/2013	07/19/2013
						Start Depth - End Depth (ft)	4.5 - 5.5						
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS
						Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill	Fill
Nickel	MG/KG	2200		520	26		**14.8**						
Selenium	MG/KG	580	5.2	10.4	2.2		**0.33 J**						
Silver	MG/KG	580		16	Not Calculated		<0.38						
Thallium	MG/KG	1.2	2.8	0.28	0.41		<0.57						
Tin	MG/KG	70000		60000	Not Calculated		<4.6						
Vanadium	MG/KG	580		1720	67		**20.2**						
Zinc	MG/KG	35000		7400	133		**182**						
Miscellaneous													
Total Organic Carbon	MG/KG												
Percent Moisture	%							**19.4 J**	**18.2 J**	**16.4 J**	**18 J**	**20.8**	**20**
Percent Moisture	% BY WT						**19.7**						
Sulfide	MG/KG						**55**						

Footnotes:
1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.29
RFI Soil Results – SWMUs 97, 105, 106, 109, 149, and Small Lots Manufacturing
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SLM-8	SLM-9	SLM-10	SLM-11	SLM-12	SLM-13	SLM-13
						Field Sample ID	P4S-0713-SLM-8-8-9	P4S-0713-SLM-9-7-8	P4S-0713-SLM-10-7-8	P4S-0713-SLM-11-14-15	P4S-0713-SLM-12-11-12	P4S-0713-SLM-13-14-15	P4S-0713-SLM-13-14-15-D
						Sample Name							
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Date Sampled	07/19/2013	07/19/2013	07/19/2013	07/19/2013	07/19/2013	07/19/2013	07/19/2013
						Start Depth - End Depth (ft)							
						Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
						Fill or Native Soil	Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds													
1,2-Dichlorobenzene	MG/KG	930	11.6	6			**0.014**	<0.001	<0.001	**19**	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	MG/KG	11	1.44	0.0092			**0.001 J**	<0.001	<0.001	**0.28 J**	<0.001	<0.001	<0.001
Acetone	MG/KG	67000		58			**0.007 J**	<0.01	**0.031**	<1.4	**0.011 J**	**0.027**	**0.037**
Benzene	MG/KG	5.1	0.052	0.0046			**0.0007 J**	<0.0007	<0.0005	<0.1	<0.0005	<0.0005	<0.0005
Carbon Disulfide	MG/KG	350		4.8			**0.001 J**	<0.001	**0.001 J**	<0.2	<0.0010	<0.001	<0.001
Chlorobenzene	MG/KG	130	1.36	1.06			**0.25**	**0.007**	**0.032**	**5.2**	**0.056**	**0.002 J**	**0.003 J**
Chloroform	MG/KG	1.4	0.44	0.00122			<0.001	<0.001	<0.001	<0.2	<0.001	<0.001	<0.001
Ethylbenzene	MG/KG	25	15.6	0.034			**0.009**	**0.005 J**	<0.001	**330**	<0.001	<0.001	<0.001
Methyl Ethyl Ketone	MG/KG	19000		24			<0.004	<0.006	**0.005 J**	<0.82	<0.004	<0.004	<0.004
Methylene Chloride	MG/KG	320	0.026	0.058			<0.002	<0.003	<0.002	<0.41	<0.002	<0.002	<0.002
Toluene	MG/KG	4700	13.8	15.2			<0.001	**0.002 J**	<0.001	**8.5**	<0.001	<0.001	<0.001
Xylenes	MG/KG	250	196	3.8			**0.25**	**0.032**	**0.002 J**	**1300**	<0.001	<0.001	<0.001
Semi-Volatile Organic Compounds													
2-Methylnaphthalene	MG/KG	300		3.8	0.47								
Acenaphthene	MG/KG	4500		110	0.034								
Acenaphthylene	MG/KG	4500			0.31								
Acetophenone	MG/KG	12000		11.6									
Anthracene	MG/KG	23000		1160	0.44								
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89								
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6								
Benzo(G,H,I)Perylene	MG/KG	2300			0.61								
Benzo(K)Fluoranthene	MG/KG	29		8	0.64								
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69								
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26									
Chrysene	MG/KG	290		24	1.5								
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2								
Dibenzofuran	MG/KG	100		3									
Fluoranthene	MG/KG	3000		1780	1.9								
Fluorene	MG/KG	3000		108	0.085								
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57								
Naphthalene	MG/KG	17		0.0108	1.2								
Phenanthrene	MG/KG	23000			0.87								
Phenol	MG/KG	25000		66									
Pyrene	MG/KG	2300		260	1.5								
Inorganics													
Antimony	MG/KG	47	5.4	7	1.4								
Arsenic	MG/KG	3	5.8	0.03	22								
Barium	MG/KG	22000	1640	3200	262								
Beryllium	MG/KG	230	64	380	2.2								
Cadmium	MG/KG	98	7.6	13.8	1.4								
Chromium	MG/KG	180000	3600000	80000000	44								
Cobalt	MG/KG	35		5.4	22								
Copper	MG/KG	4700	920	560	89								
Iron	MG/KG	82000		7000									
Lead	MG/KG	800	280		106								
Manganese	MG/KG	2600		560									
Mercury	MG/KG	35	2		4.1								

Table 5.29
RFI Soil Results – SWMUs 97, 105, 106, 109, 149, and Small Lots Manufacturing
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SLM-8	SLM-9	SLM-10	SLM-11	SLM-12	SLM-13	SLM-13
						Field Sample ID	P4S-0713-SLM-8-8-9	P4S-0713-SLM-9-7-8	P4S-0713-SLM-10-7-8	P4S-0713-SLM-11-14-15	P4S-0713-SLM-12-11-12	P4S-0713-SLM-13-14-15	P4S-0713-SLM-13-14-15-D
						Sample Name							
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Date Sampled	07/19/2013	07/19/2013	07/19/2013	07/19/2013	07/19/2013	07/19/2013	07/19/2013
						Start Depth - End Depth (ft)							
						Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
						Fill or Native Soil	Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil	Native Soil
Nickel	MG/KG	2200		520	26								
Selenium	MG/KG	580	5.2	10.4	2.2								
Silver	MG/KG	580		16	Not Calculated								
Thallium	MG/KG	1.2	2.8	0.28	0.41								
Tin	MG/KG	70000		60000	Not Calculated								
Vanadium	MG/KG	580		1720	67								
Zinc	MG/KG	35000		7400	133								
Miscellaneous													
Total Organic Carbon	MG/KG												
Percent Moisture	%						**18.3**	**13**	**19.2**	**19.3**	**19.1**	**18.9**	**19.6**
Percent Moisture	% BY WT												
Sulfide	MG/KG												

Footnotes:
1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind S
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.29
RFI Soil Results – SWMUs 97, 105, 106, 109, 149, and Small Lots Manufacturing
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SLM-HP-1	SLM-HP-2	SLM-HP-3
						Field Sample ID	9442142	9442430	9442716
						Sample Name	BEL-S-SLM-HP-(1)12-14	BEL-S-SLM-HP-(2)12-14	BEL-S-SLM-HP-(3)6-8
						Date Sampled	12/12/2002	12/12/2002	12/12/2002
						Start Depth - End Depth (ft)	12 - 14	12 - 14	6 - 8
						Sample Purpose	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds									
1,2-Dichlorobenzene	MG/KG	930	11.6	6			<0.039	<0.04	<0.039
1,4-Dichlorobenzene	MG/KG	11	1.44	0.0092			<0.039	<0.04	<0.039
Acetone	MG/KG	67000		58			<0.34	**0.011 J**	**0.01 J**
Benzene	MG/KG	5.1	0.052	0.0046			**0.59**	**0.2**	**0.23**
Carbon Disulfide	MG/KG	350		4.8					
Chlorobenzene	MG/KG	130	1.36	1.06			**2.1**	**0.2**	**0.023**
Chloroform	MG/KG	1.4	0.44	0.00122			<0.049	<0.001	<0.001
Ethylbenzene	MG/KG	25	15.6	0.034			<0.049	**0.021 L**	<0.001
Methyl Ethyl Ketone	MG/KG	19000		24			<0.2	<0.004	<0.004
Methylene Chloride	MG/KG	320	0.026	0.058			<0.098	**0.008**	**0.008**
Toluene	MG/KG	4700	13.8	15.2			**0.13 J**	**0.043**	**0.053**
Xylenes	MG/KG	250	196	3.8			<0.049	**0.009**	**0.006**
Semi-Volatile Organic Compounds									
2-Methylnaphthalene	MG/KG	300		3.8	0.47		<0.039	<0.04	<0.039
Acenaphthene	MG/KG	4500		110	0.034		<0.039	<0.04	<0.039
Acenaphthylene	MG/KG	4500			0.31		<0.039	<0.04	<0.039
Acetophenone	MG/KG	12000		11.6			<0.08	<0.081	<0.079
Anthracene	MG/KG	23000		1160	0.44		<0.039	<0.04	<0.039
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		<0.039	<0.04	<0.039
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		<0.039	<0.04	<0.039
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		<0.039	<0.04	<0.039
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		<0.039	<0.04	<0.039
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		<0.039	<0.04	<0.039
Bis(2-Ethylhexyl)Phthalate	MG/KG	160	28	26			<0.08	<0.081	<0.079
Chrysene	MG/KG	290		24	1.5		<0.039	<0.04	<0.039
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.039	<0.04	<0.039
Dibenzofuran	MG/KG	100		3			<0.039	<0.04	<0.039
Fluoranthene	MG/KG	3000		1780	1.9		<0.039	<0.04	<0.039
Fluorene	MG/KG	3000		108	0.085		<0.039	<0.04	<0.039
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		<0.039	<0.04	<0.039
Naphthalene	MG/KG	17		0.0108	1.2		<0.039	<0.04	<0.039
Phenanthrene	MG/KG	23000			0.87		<0.039	<0.04	<0.039
Phenol	MG/KG	25000		66			**0.059 J**	**0.44**	<0.039
Pyrene	MG/KG	2300		260	1.5		<0.039	<0.04	<0.039
Inorganics									
Antimony	MG/KG	47	5.4	7	1.4				
Arsenic	MG/KG	3	5.8	0.03	22		**4.5**	**4.3**	**6.1**
Barium	MG/KG	22000	1640	3200	262		**125**	**105**	**135**
Beryllium	MG/KG	230	64	380	2.2				
Cadmium	MG/KG	98	7.6	13.8	1.4		<0.11	<0.11	<0.11
Chromium	MG/KG	180000	3600000	80000000	44		**19.6**	**15.5**	**17.1**
Cobalt	MG/KG	35		5.4	22				
Copper	MG/KG	4700	920	560	89				
Iron	MG/KG	82000		7000			**23800 K**	**20000 K**	**23900 K**
Lead	MG/KG	800	280		106		**12.9**	**10.7**	**12**
Manganese	MG/KG	2600		560			**398**	**459**	**618**
Mercury	MG/KG	35	2		4.1		**0.019 J**	**0.013 J**	**0.02 J**

Table 5.29
RFI Soil Results – SWMUs 97, 105, 106, 109, 149, and Small Lots Manufacturing
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SLM-HP-1	SLM-HP-2	SLM-HP-3
						Field Sample ID	9442142	9442430	9442716
						Sample Name	BEL-S-SLM-HP-(1)12-14	BEL-S-SLM-HP-(2)12-14	BEL-S-SLM-HP-(3)6-8
						Date Sampled	12/12/2002	12/12/2002	12/12/2002
						Start Depth - End Depth (ft)	12 - 14	12 - 14	6 - 8
						Sample Purpose	FS	FS	FS
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Native Soil
Nickel	MG/KG	2200		520	26				
Selenium	MG/KG	580	5.2	10.4	2.2		<0.51	<0.52	<0.52
Silver	MG/KG	580		16	Not Calculated		<0.12	<0.12	<0.12
Thallium	MG/KG	1.2	2.8	0.28	0.41				
Tin	MG/KG	70000		60000	Not Calculated				
Vanadium	MG/KG	580		1720	67				
Zinc	MG/KG	35000		7400	133				
Miscellaneous									
Total Organic Carbon	MG/KG						**2600 J**	**2600 J**	**2900 J**
Percent Moisture	%						**16.2**	**16.8**	**15.6**
Percent Moisture	% BY WT								
Sulfide	MG/KG								

Footnotes:
1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind S
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.30
RFI Groundwater Results – SWMUs 97, 105, 106, 109, 149, and Small Lots Manufacturing
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	HP-34	SLM-1-GW	SLM-2-GW	SLM-2	SLM-3	SLM-4	SLM-5	SLM-8	SLM-11
						Field Sample ID	7644162	GW1113-SLM-1	GW1113-SLM-2	P4G-0713-SLM-2	P4G-0713-SLM-3	P4G-0713-SLM-4	P4G-0713-SLM-5	P4G-0713-SLM-8	P4G-0713-SLM-11
						Sample Name	BEL-G-HP-34								
						Date Sampled	10/18/2000	12/18/2013	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013
				EPA SL Tap Water	Federal MCL	Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds															
1,2-Dichlorobenzene	95-50-1	N	UG/L	30	600		**4 J**	**4 J**	**25 J**	**3 J**	<10	<1	<1	**190**	**63 J**
1,4-Dichlorobenzene	106-46-7	N	UG/L	0.48	75		**3 J**	<2	<10	<3	<10	<1	<1	**3 J**	**3 J**
Acetone	67-64-1	N	UG/L	1400			<6	<12	<60	<15	<60	<6	**8 J**	<15	<15
Benzene	71-43-2	N	UG/L	0.45	5		**22 K**	**2 J**	**41 J**	**2 J**	<5	<0.5	<0.5	<1	**4 J**
Chlorobenzene	108-90-7	N	UG/L	7.8	100		**4800**	**3500**	**23000**	**74**	<8	<0.8	**4 J**	**240**	**720**
Ethylbenzene	100-41-4	N	UG/L	1.5	700		**3 J**	**9 J**	**60**	**970**	**46 J**	**2 J**	**2 J**	**230**	**1700**
Methyl Ethyl Ketone	78-93-3	N	UG/L	560			<3	<6	<30	<8	<30	<3	<3	<8	<8
Methyl Methacrylate	80-62-6	N	UG/L	140			<1	<2	<10	<3	<10	<1	<1	<3	<3
Toluene	108-88-3	N	UG/L	110	1000		<1	<1	<7	**48**	<7	<0.7	<0.7	**4 J**	**120 J**
Xylenes	1330-20-7	N	UG/L	19	10000		**2 J**	<2	<8	**2800**	**240**	**7**	**6**	**3600**	**7000**
Semi-Volatile Organic Compounds															
1,4-Dioxane	123-91-1	N	UG/L	0.67			<70 R								
1,4-Dioxane	123-91-1	Y	UG/L	0.67											
2,4-Dimethylphenol	105-67-9	N	UG/L	36			<1								
2-Chlorophenol	95-57-8	N	UG/L	9.1			**15**								
2-Methylnaphthalene	91-57-6	N	UG/L	3.6			<1								
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L	93			<1								
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L	190			<3								
Acetophenone	98-86-2	N	UG/L	190			<1								
Anthracene	120-12-7	N	UG/L	180			<1								
Benzo(A)Anthracene	56-55-3	N	UG/L	0.012			<1								
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.034			<1								
Carbazole	86-74-8	N	UG/L												
Chrysene	218-01-9	N	UG/L	3.4			<1								
Dibenzofuran	132-64-9	N	UG/L	0.79			<1								
Diethyl Phthalate	84-66-2	N	UG/L	1500			**2 J**								
Fluoranthene	206-44-0	N	UG/L	80			<1								
Naphthalene	91-20-3	N	UG/L	0.17			**1 J**								
Naphthalene	91-20-3	Y	UG/L	0.17											
Phenanthrene	85-01-8	N	UG/L	180			<1								
Phenol	108-95-2	N	UG/L	580			**3 J**								
Pyrene	129-00-0	N	UG/L	12			<1								
Pesticides and Herbicides															
4,4'-DDT	50-29-3	N	UG/L	0.23			**0.113 J**								
beta-BHC	319-85-7	N	UG/L	0.025			**0.018 J**								
Dieldrin	60-57-1	N	UG/L	0.0017			**0.115**								
Endosulfan I	959-98-8	N	UG/L				**0.013 J**								
2,4,5-T	93-76-5	N	UG/L	16			**0.89 J**								
Inorganics															
Arsenic	7440-38-2	N	UG/L	0.052	10		**46.0 L**								
Arsenic	7440-38-2	Y	UG/L	0.052	10										
Barium	7440-39-3	N	UG/L	380	2000		**2040**								
Barium	7440-39-3	Y	UG/L	380	2000										
Beryllium	7440-41-7	N	UG/L	2.5	4		**7.4 J**								
Chromium	7440-47-3	N	UG/L	2200	100		**21.9 B**								
Chromium	7440-47-3	Y	UG/L	2200	100										
Cobalt	7440-48-4	N	UG/L	0.6			**39.2 J**								
Copper	7440-50-8	N	UG/L	80	1300		**18.4 B**								
Iron	7439-89-6	N	UG/L	1400											
Iron	7439-89-6	Y	UG/L	1400											

Table 5.30
RFI Groundwater Results – SWMUs 97, 105, 106, 109, 149, and Small Lots Manufacturing
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	HP-34	SLM-1-GW	SLM-2-GW	SLM-2	SLM-3	SLM-4	SLM-5	SLM-8	SLM-11
				EPA SL Tap Water	Federal MCL	Field Sample ID	7644162	GW1113-SLM-1	GW1113-SLM-2	P4G-0713-SLM-2	P4G-0713-SLM-3	P4G-0713-SLM-4	P4G-0713-SLM-5	P4G-0713-SLM-8	P4G-0713-SLM-11
						Sample Name	BEL-G-HP-34								
						Date Sampled	10/18/2000	12/18/2013	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013
						Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Lead	7439-92-1	N	UG/L	15	15		**10.1 J**								
Lead	7439-92-1	Y	UG/L	15	15										
Manganese	7439-96-5	N	UG/L	43											
Manganese	7439-96-5	Y	UG/L	43											
Nickel	7440-02-0	N	UG/L	39			**40.5 J**								
Tin	7440-31-5	N	UG/L	1200			**15.4 J**								
Vanadium	7440-62-2	N	UG/L	8.6			**88.8**								
Zinc	7440-66-6	N	UG/L	600			**263**								
Miscellaneous															
Alkalinity, Bicarb. As CaCO3 At pH 4.5	EVS0036	N	UG/L												
Total Kjeldahl Nitrogen	C021	N	UG/L												
Total Organic Carbon	C012	N	UG/L												
Chloride	16887-00-6	N	UG/L												
Phosphorus	7723-14-0	N	UG/L	0.04											
Sulfate	14808-79-8	N	UG/L												
Sulfide	18496-25-8	N	UG/L				<4200								

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher

Table 5.30
RFI Groundwater Results – SWMUs 97, 105, 106, 109, 149, and Small Lots Manufacturing
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	SLM-11	SLM-12	SLM-13	SLM-14DO	SLM-14SO	SLM-15SO	SLM-16SO	SLM-HP-1
				EPA SL Tap Water	Federal MCL	Field Sample ID	P4G-0713-SLM-11-D	P4G-0713-SLM-12	P4G-0713-SLM-13	P41014-SLM-14DO-Z	P41014-SLM-14SO	P41014-SLM-15SO	P41014-SLM-16SO	9442273
						Sample Name								BEL-G-SLM-HP-1-DIS
						Date Sampled	07/22/2013	07/22/2013	07/22/2013	11/11/2014	11/11/2014	11/11/2014	11/11/2014	12/11/2002
						Sample Purpose	DUP	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds														
1,2-Dichlorobenzene	95-50-1	N	UG/L	30	600		**65**	<1	<1					
1,4-Dichlorobenzene	106-46-7	N	UG/L	0.48	75		<5	<1	<1					
Acetone	67-64-1	N	UG/L	1400			<30	**9 J**	**12 J**		**7 J**	**13000**	**290**	
Benzene	71-43-2	N	UG/L	0.45	5		**4 J**	**3 J**	**1 J**		<0.5	**6 J**	<0.5	
Chlorobenzene	108-90-7	N	UG/L	7.8	100		**600**	**960**	**110**		<0.5	**1500**	**13**	
Ethylbenzene	100-41-4	N	UG/L	1.5	700		**1500**	**9**	**1 J**		<0.5	**11**	<0.5	
Methyl Ethyl Ketone	78-93-3	N	UG/L	560			<15	<3	<3		<3	**200**	<3	
Methyl Methacrylate	80-62-6	N	UG/L	140			<5	<1	<1		<1	**35 J**	<1	
Toluene	108-88-3	N	UG/L	110	1000		**110**	**4 J**	<0.7		<0.5	**50**	<0.5	
Xylenes	1330-20-7	N	UG/L	19	10000		**6500**	**46**	**6**		<0.5	**55**	<0.5	
Semi-Volatile Organic Compounds														
1,4-Dioxane	123-91-1	N	UG/L	0.67							<1	**7**	<1	
1,4-Dioxane	123-91-1	Y	UG/L	0.67						**34**				
2,4-Dimethylphenol	105-67-9	N	UG/L	36										
2-Chlorophenol	95-57-8	N	UG/L	9.1										
2-Methylnaphthalene	91-57-6	N	UG/L	3.6										
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L	93										
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L	190										
Acetophenone	98-86-2	N	UG/L	190										
Anthracene	120-12-7	N	UG/L	180										
Benzo(A)Anthracene	56-55-3	N	UG/L	0.012										
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.034										
Carbazole	86-74-8	N	UG/L											
Chrysene	218-01-9	N	UG/L	3.4										
Dibenzofuran	132-64-9	N	UG/L	0.79										
Diethyl Phthalate	84-66-2	N	UG/L	1500										
Fluoranthene	206-44-0	N	UG/L	80										
Naphthalene	91-20-3	N	UG/L	0.17										
Naphthalene	91-20-3	Y	UG/L	0.17							**0.1 J**	**3**	<0.1	
Phenanthrene	85-01-8	N	UG/L	180										
Phenol	108-95-2	N	UG/L	580										
Pyrene	129-00-0	N	UG/L	12										
Pesticides and Herbicides														
4,4'-DDT	50-29-3	N	UG/L	0.23										
beta-BHC	319-85-7	N	UG/L	0.025										
Dieldrin	60-57-1	N	UG/L	0.0017										
Endosulfan I	959-98-8	N	UG/L											
2,4,5-T	93-76-5	N	UG/L	16										
Inorganics														
Arsenic	7440-38-2	N	UG/L	0.052	10									
Arsenic	7440-38-2	Y	UG/L	0.052	10									**60.9**
Barium	7440-39-3	N	UG/L	380	2000									
Barium	7440-39-3	Y	UG/L	380	2000									**235**
Beryllium	7440-41-7	N	UG/L	2.5	4									
Chromium	7440-47-3	N	UG/L	2200	100									
Chromium	7440-47-3	Y	UG/L	2200	100									**2.4 J**
Cobalt	7440-48-4	N	UG/L	0.6										
Copper	7440-50-8	N	UG/L	80	1300									
Iron	7439-89-6	N	UG/L	1400										
Iron	7439-89-6	Y	UG/L	1400										**9270**

Table 5.30
RFI Groundwater Results – SWMUs 97, 105, 106, 109, 149, and Small Lots Manufacturing
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	SLM-11	SLM-12	SLM-13	SLM-14DO	SLM-14SO	SLM-15SO	SLM-16SO	SLM-HP-1
						Field Sample ID	P4G-0713-SLM-11-D	P4G-0713-SLM-12	P4G-0713-SLM-13	P41014-SLM-14DO-Z	P41014-SLM-14SO	P41014-SLM-15SO	P41014-SLM-16SO	9442273
						Sample Name								BEL-G-SLM-HP-1-DIS
						Date Sampled	07/22/2013	07/22/2013	07/22/2013	11/11/2014	11/11/2014	11/11/2014	11/11/2014	12/11/2002
						Sample Purpose	DUP	FS	FS	FS	FS	FS	FS	FS
Lead	7439-92-1	N	UG/L	15	15									
Lead	7439-92-1	Y	UG/L	15	15									<8.9
Manganese	7439-96-5	N	UG/L	43										
Manganese	7439-96-5	Y	UG/L	43										**368**
Nickel	7440-02-0	N	UG/L	39										
Tin	7440-31-5	N	UG/L	1200										
Vanadium	7440-62-2	N	UG/L	8.6										
Zinc	7440-66-6	N	UG/L	600										
Miscellaneous														
Alkalinity, Bicarb. As CaCO3 At pH 4.5	EVS0036	N	UG/L											
Total Kjeldahl Nitrogen	C021	N	UG/L											
Total Organic Carbon	C012	N	UG/L											
Chloride	16887-00-6	N	UG/L											
Phosphorus	7723-14-0	N	UG/L	0.04										
Sulfate	14808-79-8	N	UG/L											
Sulfide	18496-25-8	N	UG/L											

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher

Table 5.30
RFI Groundwater Results – SWMUs 97, 105, 106, 109, 149, and Small Lots Manufacturing
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	SLM-HP-1	SLM-HP-2	SLM-HP-2	SLM-HP-3	SLM-HP-3
				EPA SL Tap Water	Federal MCL	Field Sample ID	9442286	9442560	9442573	9442846	9442859
						Sample Name	BEL-G-SLM-HP-1	BEL-G-SLM-HP-2-DIS	BEL-G-SLM-HP-2	BEL-G-SLM-HP-3-DIS	BEL-G-SLM-HP-3
						Date Sampled	12/11/2002	12/11/2002	12/11/2002	12/11/2002	12/11/2002
						Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,2-Dichlorobenzene	95-50-1	N	UG/L	30	600		**25**		<1		<1
1,4-Dichlorobenzene	106-46-7	N	UG/L	0.48	75		**15**		<1		<1
Acetone	67-64-1	N	UG/L	1400			<120		<6		<6
Benzene	71-43-2	N	UG/L	0.45	5		**80 J**		**3 J**		**2 J**
Chlorobenzene	108-90-7	N	UG/L	7.8	100		**18000**		**37**		**18**
Ethylbenzene	100-41-4	N	UG/L	1.5	700		**57 J**		**2 J**		<0.8
Methyl Ethyl Ketone	78-93-3	N	UG/L	560			<60		<3		<3
Methyl Methacrylate	80-62-6	N	UG/L	140							
Toluene	108-88-3	N	UG/L	110	1000		**49 J**		**2 J**		<0.7
Xylenes	1330-20-7	N	UG/L	19	10000		**220**		**5**		**1 J**
Semi-Volatile Organic Compounds											
1,4-Dioxane	123-91-1	N	UG/L	0.67			<1		<1		<1
1,4-Dioxane	123-91-1	Y	UG/L	0.67							
2,4-Dimethylphenol	105-67-9	N	UG/L	36			**4 J**		<1		<1
2-Chlorophenol	95-57-8	N	UG/L	9.1			**27**		<1		<1
2-Methylnaphthalene	91-57-6	N	UG/L	3.6			<1		**2 J**		<1
2-Methylphenol (O-Cresol)	95-48-7	N	UG/L	93			**3 J**		<1		<1
4-Methylphenol (P-Cresol)	106-44-5	N	UG/L	190			**18**		<2		**3 J**
Acetophenone	98-86-2	N	UG/L	190			**6 J**		<2		<2
Anthracene	120-12-7	N	UG/L	180			<1		**2 J**		<1
Benzo(A)Anthracene	56-55-3	N	UG/L	0.012			<1		**1 J**		<1
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.034			<1		**1 J**		<1
Carbazole	86-74-8	N	UG/L				<1		**2 J**		<1
Chrysene	218-01-9	N	UG/L	3.4			<1		**1 J**		<1
Dibenzofuran	132-64-9	N	UG/L	0.79			<1		**2 J**		<1
Diethyl Phthalate	84-66-2	N	UG/L	1500			<2		<2		<2
Fluoranthene	206-44-0	N	UG/L	80			<1		**4 J**		<1
Naphthalene	91-20-3	N	UG/L	0.17			**8 J**		**13**		**6 J**
Naphthalene	91-20-3	Y	UG/L	0.17							
Phenanthrene	85-01-8	N	UG/L	180			<1		**7 J**		**2 J**
Phenol	108-95-2	N	UG/L	580			**9 J**		**2 J**		**6 J**
Pyrene	129-00-0	N	UG/L	12			<1		**3 J**		<1
Pesticides and Herbicides											
4,4'-DDT	50-29-3	N	UG/L	0.23							
beta-BHC	319-85-7	N	UG/L	0.025							
Dieldrin	60-57-1	N	UG/L	0.0017							
Endosulfan I	959-98-8	N	UG/L								
2,4,5-T	93-76-5	N	UG/L	16							
Inorganics											
Arsenic	7440-38-2	N	UG/L	0.052	10		**68.1**		<4.9		**39.3**
Arsenic	7440-38-2	Y	UG/L	0.052	10			**5.0 J**		**46.9**	
Barium	7440-39-3	N	UG/L	380	2000		**482**		**94.3**		**618**
Barium	7440-39-3	Y	UG/L	380	2000			**50.8**		**321**	
Beryllium	7440-41-7	N	UG/L	2.5	4						
Chromium	7440-47-3	N	UG/L	2200	100		**7.2**		<2.0		**18.6**
Chromium	7440-47-3	Y	UG/L	2200	100			<2.0		<2.0	
Cobalt	7440-48-4	N	UG/L	0.6							
Copper	7440-50-8	N	UG/L	80	1300						
Iron	7439-89-6	N	UG/L	1400			**20900**		**3140**		**103000**
Iron	7439-89-6	Y	UG/L	1400				**1060**		**17400**	

Table 5.30
RFI Groundwater Results – SWMUs 97, 105, 106, 109, 149, and Small Lots Manufacturing
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	SLM-HP-1	SLM-HP-2	SLM-HP-2	SLM-HP-3	SLM-HP-3
						Field Sample ID	9442286	9442560	9442573	9442846	9442859
						Sample Name	BEL-G-SLM-HP-1	BEL-G-SLM-HP-2-DIS	BEL-G-SLM-HP-2	BEL-G-SLM-HP-3-DIS	BEL-G-SLM-HP-3
						Date Sampled	12/11/2002	12/11/2002	12/11/2002	12/11/2002	12/11/2002
				EPA SL Tap Water	Federal MCL	Sample Purpose	FS	FS	FS	FS	FS
Lead	7439-92-1	N	UG/L	15	15		<8.9		<8.9		**21.1**
Lead	7439-92-1	Y	UG/L	15	15			<8.9		<8.9	
Manganese	7439-96-5	N	UG/L	43			**475**		**132**		**10100**
Manganese	7439-96-5	Y	UG/L	43				**78**		**2290**	
Nickel	7440-02-0	N	UG/L	39							
Tin	7440-31-5	N	UG/L	1200							
Vanadium	7440-62-2	N	UG/L	8.6							
Zinc	7440-66-6	N	UG/L	600							
Miscellaneous											
Alkalinity, Bicarb. As CaCO3 At pH 4.5	EVS0036	N	UG/L				**1460000**		**308000**		**490000**
Total Kjeldahl Nitrogen	C021	N	UG/L				**33800**		**1700**		**7400**
Total Organic Carbon	C012	N	UG/L				**125000**		**9530**		**19300**
Chloride	16887-00-6	N	UG/L				**315000**		**24300**		**167000**
Phosphorus	7723-14-0	N	UG/L	0.04			**3440**		**177**		**2960**
Sulfate	14808-79-8	N	UG/L				**37800**		**129000**		**3300 B**
Sulfide	18496-25-8	N	UG/L				<530		<530		**5100 J**

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher

Table 5.31
RFI Soil Results – SWMUs 58 and 189
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU58-2	SWMU58-2	SWMU58-2	SWMU58-2	SWMU58-2
						Field Sample ID	28651245	28651246	28651247	P4S-0513-SWMU-58-2-19-20	P4S-0513-SWMU-58-2-19-20-D
						Sample Name	BEL-S-SWMU58-2(5-6)	BEL-S-SWMU58-2(0.5-1)	BEL-S-SWMU58-2(19-20)		
						Date Sampled	12/05/2012	12/05/2012	12/05/2012	05/28/2013	05/28/2013
						Start Depth - End Depth (ft)	5 - 6	0.5 - 1	19 - 20	19 - 20	19 - 20
						Sample Purpose	FS	FS	FS	FS	DUP
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds											
2-Hexanone	MG/KG	130		0.176			<0.003	<0.004	<0.3		
Acetone	MG/KG	67000		58			<0.007	**0.016 J**	<0.69		
Benzene	MG/KG	5.1	0.052	0.0046			**0.34**	**0.056**	**64**		
Carbon Disulfide	MG/KG	350		4.8			**0.002 J**	<0.001	<0.099		
Ethylbenzene	MG/KG	25	15.6	0.034			**0.03**	<0.001	<0.099		
Formaldehyde	MG/KG	73		0.00174						**7.3**	**6.1**
Methyl Ethyl Ketone	MG/KG	19000		24			<0.004	<0.005	<0.4		
Toluene	MG/KG	4700	13.8	15.2			**0.008**	**0.008**	**10**		
Xylenes	MG/KG	250	196	3.8			**0.088**	**0.002 J**	**1.6**		
Semi-Volatile Organic Compounds											
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.027**	**0.87**	**0.07**		
2-Methylphenol (O-Cresol)	MG/KG	4100		15			<0.021	<0.095	**0.045**		
2-Picoline	MG/KG						**1.4**	<0.57	**4.4**		
4-Methylphenol (P-Cresol)	MG/KG	8200		30			<0.021	<0.095	**0.05**		
Acenaphthene	MG/KG	4500		110	0.034		**0.074**	**0.052 J**	<0.004		
Acenaphthylene	MG/KG	4500			0.31		**0.043**	**0.94**	<0.004		
Acetophenone	MG/KG	12000		11.6			**0.041 J**	**0.42**	**5.6**		
Anthracene	MG/KG	23000		1160	0.44		**0.079**	**0.35**	<0.004		
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		**0.037**	**1**	<0.004		
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		**0.19**	**2.3**	**0.008 J**		
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		**0.02 J**	**2.1**	**0.004 J**		
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		**0.32**	**0.82**	<0.004		
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		**0.062**	**1.5**	<0.004		
Chrysene	MG/KG	290		24	1.5		**0.036**	**1.1**	**0.011 J**		
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		**0.3**	**0.44**	<0.004		
Dibenzofuran	MG/KG	100		3			**0.11**	**0.26**	<0.021		
Fluoranthene	MG/KG	3000		1780	1.9		**0.13**	**1.5**	<0.004		
Fluorene	MG/KG	3000		108	0.085		**2.6**	**0.25**	<0.004		
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		**0.014 J**	**1.7**	<0.004		
Naphthalene	MG/KG	17		0.0108	1.2		**1.3**	**8.1**	**9.9**		
Pentachlorophenol	MG/KG	4	0.2	0.008			<0.042	**0.22 J**	<0.041		
Phenanthrene	MG/KG	23000			0.87		**0.34**	**0.95**	**0.019 J**		
Phenol	MG/KG	25000		66			<0.021	<0.095	**0.61**		
Pyrene	MG/KG	2300		260	1.5		**0.097**	**1.5**	**0.007 J**		
Pyridine	MG/KG	120		0.136			<0.084	<0.38	**1.3**		
Inorganics											
Antimony	MG/KG	47	5.4	7	1.4		<0.0803	**2.43**	<0.0814		
Arsenic	MG/KG	3	5.8	0.03	22		**4.67**	**10.4**	**3.09**		
Barium	MG/KG	22000	1640	3200	262		**98.1**	**832**	**132**		
Beryllium	MG/KG	230	64	380	2.2		**1.05**	**1.2**	**0.867**		
Cadmium	MG/KG	98	7.6	13.8	1.4		<0.0401	<0.0363	<0.0407		
Calcium	MG/KG									**1090**	**934**
Chromium	MG/KG	180000	3600000	80000000	44		**23.7 K**	**110 K**	**23.4 K**		
Cobalt	MG/KG	35		5.4	22		**6.11**	**8.72**	**7.6**		

Table 5.31
RFI Soil Results – SWMUs 58 and 189
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU58-2	SWMU58-2	SWMU58-2	SWMU58-2	SWMU58-2
						Field Sample ID	28651245	28651246	28651247	P4S-0513-SWMU-58-2-19-20	P4S-0513-SWMU-58-2-19-20-D
						Sample Name	BEL-S-SWMU58-2(5-6)	BEL-S-SWMU58-2(0.5-1)	BEL-S-SWMU58-2(19-20)		
						Date Sampled	12/05/2012	12/05/2012	12/05/2012	05/28/2013	05/28/2013
						Start Depth - End Depth (ft)	5 - 6	0.5 - 1	19 - 20	19 - 20	19 - 20
						Sample Purpose	FS	FS	FS	FS	DUP
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil
Copper	MG/KG	4700	920	560	89		**21.5 K**	**350 K**	**20.3 K**		
Iron	MG/KG	82000		7000						**27000**	**31800**
Lead	MG/KG	800	280		106		**19**	**72.1**	**18.2**		
Magnesium	MG/KG									**3620**	**2880**
Mercury	MG/KG	35	2		4.1		**0.0491 J**	**1.79**	**0.0256 J**		
Nickel	MG/KG	2200		520	26		**19.9**	**20.8**	**21.4**		
Potassium	MG/KG									**2640 J**	**2070 J**
Selenium	MG/KG	580	5.2	10.4	2.2		**0.293 J**	**1.17**	**0.164 J**		
Silver	MG/KG	580		16			<0.17	**0.707**	<0.173		
Sodium	MG/KG				Not Calculated					**1100**	**963**
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.207**	**0.191**	**0.298**		
Tin	MG/KG	70000		60000	Not Calculated		**2.83 B**	**3.99 B**	**2.8 B**		
Vanadium	MG/KG	580		1720	67		**31**	**13.2**	**34.8**		
Zinc	MG/KG	35000		7400	133		**59.1**	**229**	**62.6**		
Miscellaneous											
Total Organic Carbon	MG/KG									**3280**	**1880**
Ammonia	MG/KG						**380**	**94.7 J**	**229**	**214**	**601**
Percent Moisture	%						**20.2**	**11.8**	**18.9**	**21.6**	**19.4**
Ph	STD UNITS									**5.26 J**	**5.34 J**
Specific Conductance	UMHOS/CM									**1000**	**1160**

Footnotes:

1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) Historically Fill 95% UTL (where applicable)
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historically Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower

Table 5.31
RFI Soil Results – SWMUs 58 and 189
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU58-4	SWMU58-4	SWMU189-1	SWMU189-1
						Field Sample ID	28651249	28651250	SS1113-SWMU-189-1-0.5	SS1113-SWMU-189-1-0.5-D
						Sample Name	BEL-S-SWMU58-4(5-6)	BEL-S-SWMU58-4(11-12)		
						Date Sampled	12/05/2012	12/05/2012	12/17/2013	12/17/2013
						Start Depth - End Depth (ft)	5 - 6	11 - 12	0.5 - 1	0.5 - 1
						Sample Purpose	FS	FS	FS	DUP
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Fill	Fill
Volatile Organic Compounds										
2-Hexanone	MG/KG	130		0.176			<0.003	<0.003	<0.004	**0.005 J**
Acetone	MG/KG	67000		58			<0.007	<0.007	**0.16**	**0.19**
Benzene	MG/KG	5.1	0.052	0.0046			**0.11**	<0.0005	**0.002 J**	**0.003 J**
Carbon Disulfide	MG/KG	350		4.8			**0.009**	**0.002 J**	**0.004 J**	**0.006**
Ethylbenzene	MG/KG	25	15.6	0.034			<0.001	<0.001	<0.001	<0.001
Formaldehyde	MG/KG	73		0.00174						
Methyl Ethyl Ketone	MG/KG	19000		24			<0.004	<0.004	**0.037**	**0.042**
Toluene	MG/KG	4700	13.8	15.2			**0.001 J**	<0.001	**0.002 J**	**0.003 J**
Xylenes	MG/KG	250	196	3.8			<0.001	<0.001	**0.001 J**	**0.001 J**
Semi-Volatile Organic Compounds										
2-Methylnaphthalene	MG/KG	300		3.8	0.47		**0.005 J**	<0.004	**0.16**	**0.16 J**
2-Methylphenol (O-Cresol)	MG/KG	4100		15			<0.021	<0.021	<0.11	<0.2
2-Picoline	MG/KG						<0.12	<0.12	<0.65	<1.2
4-Methylphenol (P-Cresol)	MG/KG	8200		30			<0.021	<0.021	<0.11	<0.2
Acenaphthene	MG/KG	4500		110	0.034		<0.004	<0.004	**0.034 J**	**0.055 J**
Acenaphthylene	MG/KG	4500			0.31		<0.004	<0.004	**0.059 J**	**0.21**
Acetophenone	MG/KG	12000		11.6			<0.021	<0.021	<0.11	<0.2
Anthracene	MG/KG	23000		1160	0.44		<0.004	<0.004	**0.11**	**0.31**
Benzo(A)Anthracene	MG/KG	2.9		0.086	0.89		<0.004	<0.004	**0.31 J**	**0.54 J**
Benzo(B)Fluoranthene	MG/KG	2.9		0.82	1.6		<0.004	<0.004	**0.56 J**	**1.4 J**
Benzo(G,H,I)Perylene	MG/KG	2300			0.61		<0.004	<0.004	**0.27 J**	**0.87 J**
Benzo(K)Fluoranthene	MG/KG	29		8	0.64		<0.004	<0.004	**0.23 J**	**0.53 J**
Benzo[A]Pyrene	MG/KG	0.29	4.8	0.08	0.69		<0.004	<0.004	**0.3 J**	**0.73 J**
Chrysene	MG/KG	290		24	1.5		<0.004	<0.004	**0.5 J**	**0.93 J**
Dibenz(A,H)Anthracene	MG/KG	0.29		0.26	0.2		<0.004	<0.004	**0.052 J**	**0.15 J**
Dibenzofuran	MG/KG	100		3			<0.021	<0.021	<0.11	<0.2
Fluoranthene	MG/KG	3000		1780	1.9		<0.004	<0.004	**0.87**	**1**
Fluorene	MG/KG	3000		108	0.085		<0.004	<0.004	**0.044 J**	**0.074 J**
Indeno (1,2,3-CD) Pyrene	MG/KG	2.9		4.8	0.57		<0.004	<0.004	**0.25 J**	**0.72 J**
Naphthalene	MG/KG	17		0.0108	1.2		**0.012 J**	<0.004	**0.15**	**0.18 J**
Pentachlorophenol	MG/KG	4	0.2	0.008			<0.041	<0.041	<0.22	<0.41
Phenanthrene	MG/KG	23000			0.87		**0.006 J**	<0.004	**0.57**	**0.54**
Phenol	MG/KG	25000		66			<0.021	<0.021	<0.11	<0.2
Pyrene	MG/KG	2300		260	1.5		<0.004	<0.004	**0.63 J**	**0.89 J**
Pyridine	MG/KG	120		0.136			<0.083	<0.083	<0.44	<0.82
Inorganics										
Antimony	MG/KG	47	5.4	7	1.4		<0.0809	<0.0805	**0.674 J**	**0.83 J**
Arsenic	MG/KG	3	5.8	0.03	22		**8.65**	**8.32**	**18.1**	**11.3**
Barium	MG/KG	22000	1640	3200	262		**93.9**	**170**	**222**	**189**
Beryllium	MG/KG	230	64	380	2.2		**0.948**	**0.986**	**1.17**	**0.911**
Cadmium	MG/KG	98	7.6	13.8	1.4		<0.0404	<0.0402	**3.16 J**	**1.69 J**
Calcium	MG/KG									
Chromium	MG/KG	180000	3600000	80000000	44		**21.3 K**	**23.8 K**	**37.1 J**	**33 J**
Cobalt	MG/KG	35		5.4	22		**9.8**	**14.9**	**22.8 J**	**20.7 J**

Table 5.31
RFI Soil Results – SWMUs 58 and 189
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Units	EPA Regional SL (2)			Historical Fill 95%UTL (3)	Location ID	SWMU58-4	SWMU58-4	SWMU189-1	SWMU189-1
						Field Sample ID	28651249	28651250	SS1113-SWMU-189-1-0.5	SS1113-SWMU-189-1-0.5-D
						Sample Name	BEL-S-SWMU58-4(5-6)	BEL-S-SWMU58-4(11-12)		
						Date Sampled	12/05/2012	12/05/2012	12/17/2013	12/17/2013
						Start Depth - End Depth (ft)	5 - 6	11 - 12	0.5 - 1	0.5 - 1
						Sample Purpose	FS	FS	FS	DUP
		Ind Soil (HQ=0.1)	EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Fill	Fill
Copper	MG/KG	4700	920	560	89		**14.6 K**	**17.7 K**	**69.6 J**	**44.9 J**
Iron	MG/KG	82000		7000						
Lead	MG/KG	800	280		106		**17.9**	**21.8**	**220**	**275**
Magnesium	MG/KG									
Mercury	MG/KG	35	2		4.1		**0.0302 J**	**0.0242 J**	**1.3 J**	**0.58 J**
Nickel	MG/KG	2200		520	26		**19.8**	**25.2**	**31.8 J**	**23.9 J**
Potassium	MG/KG									
Selenium	MG/KG	580	5.2	10.4	2.2		**0.29 J**	**0.198 J**	**0.588**	**0.383 J**
Silver	MG/KG	580		16			<0.172	<0.171	**0.322 J**	**0.209 J**
Sodium	MG/KG				Not Calculated					
Thallium	MG/KG	1.2	2.8	0.28	0.41		**0.274**	**0.246**	**0.252**	**0.185**
Tin	MG/KG	70000		60000	Not Calculated		**2.67 B**	**2.99 B**	**13**	**5.91 B**
Vanadium	MG/KG	580		1720	67		**29.9**	**36.6**	**28.8 J**	**26.1 J**
Zinc	MG/KG	35000		7400	133		**58.8**	**85**	**385**	**342**
Miscellaneous										
Total Organic Carbon	MG/KG									
Ammonia	MG/KG						**323**	**216**		
Percent Moisture	%						**19.2**	**19.6**	**23.5 J**	**18.3 J**
Ph	STD UNITS									
Specific Conductance	UMHOS/CM									

Footnotes:
1) Hits only table. See Appendix E for complete results.

2) Criteria = EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSLs are applicable to unsaturated zone soil
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride and SSL for elemental mercury (MCL-based).
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

3) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) Historically Fill 95% UTL (where appli
Yellow Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL), Ind Soil SL and Historically Fill 95%
Gray Shaded Cells = Reporting Limit above Screening Criteria
B-Not detected substantially above the level reported in the laboratory or field blanks
J-Analyte present; reported value may not be accurate or precise
K-Analyte present; reported value may be biased high when the actual value is expected to be lower

Table 5.32
RFI Groundwater Results – SWMUs 58 and 189
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	SWMU58-1	SWMU58-2
				EPA SL Tap Water	Federal MCL	Field Sample ID	GW1113-SWMU58-1	GW1113-SWMU58-2
						Date Sampled	12/17/2013	12/17/2013
						Sample Purpose	FS	FS
Volatile Organic Compounds								
Benzene	71-43-2	N	UG/L	0.45	5		**0.7 J**	**5**

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
J-Analyte present; reported value may not be accurate or precise

Table 5.33
RFI Groundwater Results – AOC G
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	CAS No.	Filtered	Units	Screening Criteria (2)		Location ID	AOC-G-1	AOC-G-2
				EPA SL Tap Water	Federal MCL	Field Sample ID	GW1113-AOC-G-1	GW1113-AOC-G-2
						Date Sampled	12/17/2013	12/17/2013
						Sample Purpose	FS	FS
Inorganics								
Antimony	7440-36-0	N	UG/L	0.78	6		**70.3**	**0.75 J**
Arsenic	7440-38-2	N	UG/L	0.052	10		**862**	**209**
Barium	7440-39-3	N	UG/L	380	2000		**6820**	**13500**
Beryllium	7440-41-7	N	UG/L	2.5	4		**88.7**	**31**
Cadmium	7440-43-9	N	UG/L	0.92	5		**44.3**	**22.4 J**
Chromium	7440-47-3	N	UG/L	2200	100		**3960**	**900**
Cobalt	7440-48-4	N	UG/L	0.6			**7130**	**831**
Copper	7440-50-8	N	UG/L	80	1300		**69800**	**802**
Lead	7439-92-1	N	UG/L	15	15		**9140**	**539**
Mercury	7439-97-6	N	UG/L	0.063	2		**19.4**	**29**
Nickel	7440-02-0	N	UG/L	39			**13600**	**1520**
Selenium	7782-49-2	N	UG/L	10	50		**8.5 J**	**4 J**
Silver	7440-22-4	N	UG/L	9.4			**475**	**20.8**
Thallium	7440-28-0	N	UG/L	0.02	2		**5.4 J**	**3.2 J**
Tin	7440-31-5	N	UG/L	1200			**2210**	**25.3**
Vanadium	7440-62-2	N	UG/L	8.6			**2220**	**740**
Zinc	7440-66-6	N	UG/L	600			**76700**	**9110**

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
J-Analyte present; reported value may not be accurate or precise

Table 5.34
RFI Monitoring Wells Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-18-A	MW-18-DO	MW-18-SO	MW-19-A	MW-19-DO	MW-19-SO	MW-20-A	MW-20-DO	MW-21-A	MW-21-DO
			EPA SL Tap Water	Federal MCL	Field Sample ID	GWRFI-14-MW-18-A	GWRFI-14-MW-18-DO	GWRFI-14-MW-18-SO	GWRFI-14-MW-19-A	GWRFI-14-MW-19-DO	GWRFI-14-MW-19-SO	GWRFI-14-MW-20-A	GWRFI-14-MW-20-DO	GWRFI-14-MW-21-A	GWRFI-14-MW-21-DO
					Date Sampled	11/19/2014	11/19/2014	11/19/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/20/2014	11/17/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds															
1,1,2-Trichloroethane	N	UG/L	0.041	5		<0.5	<0.5	<0.5	<0.5	**2**	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	N	UG/L	2.7			<0.5	<0.5	<0.5	**16**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	N	UG/L	28	7		<0.5	<0.5	<0.5	**23**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	N	UG/L	0.00075			<1	<1	<1	**1 J**	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	N	UG/L	30	600		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	N	UG/L	0.17	5		<0.5	<0.5	<0.5	**32**	**1**	<0.5	<0.5	<0.5	<0.5	<0.5
Acetone	N	UG/L	1400			<6	<6	<6	<6	<6	<6	<6	<6	<6	**7 J**
Benzene	N	UG/L	0.45	5		<0.5	<0.5	<0.5	**1**	<0.5	<0.5	<0.5	<0.5	<0.5	**20**
Chlorobenzene	N	UG/L	7.8	100		<0.5	<0.5	<0.5	**0.5 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	N	UG/L	0.22			<0.5	<0.5	<0.5	**4**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2 Dichloroethene	N	UG/L	3.6	70		<0.5	<0.5	<0.5	**79**	<0.5	**6**	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	N	UG/L	1.5	700		<0.5	<0.5	<0.5	**3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Formaldehyde	N	UG/L	0.43			**22 B**	**25 B**	**69 B**	**30 J**	**20 J**	**110**	<20	**24 J**	**21 B**	<200
Methyl Ethyl Ketone	N	UG/L	560			<3	<3	<3	<3	<3	<3	<3	<3	<3	**12**
Methyl Methacrylate	N	UG/L	140			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Chloride	N	UG/L	11	5		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Toluene	N	UG/L	110	1000		<0.5	<0.5	<0.5	**10**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	N	UG/L	36	100		<0.5	<0.5	<0.5	**110**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	N	UG/L	0.28	5		<0.5	<0.5	<0.5	**120**	<0.5	**1**	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	N	UG/L	0.019	2		<0.5	<0.5	<0.5	**290**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenes	N	UG/L	19	10000		<0.5	<0.5	<0.5	**35**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semi-Volatile Organic Compounds															
1,4-Dioxane	N	UG/L	0.67			<1	**3 J**	<1	<1	<1	**1 J**	<1	<1	<1	**20 J**
2,4-Dimethylphenol	N	UG/L	36			<0.5	**0.7 J**	<0.5	<0.5	<0.5 R	<0.5 R	<0.5	<0.5 R	<0.5	**7**
2-Chloronaphthalene	N	UG/L	75			<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<2
2-Methylnaphthalene	N	UG/L	3.6			<0.1	<0.1	<0.1	**0.6**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
2-Methylphenol (O-Cresol)	N	UG/L	93			<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R	<0.5	<0.5 R	<0.5	<3
2-Nitrophenol	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R	<0.5	<0.5 R	<0.5	<3
2-Picoline	N	UG/L				<2	<2	<2	<2	<2	<2	<2	<2	<2	<10
4-Methylphenol (P-Cresol)	N	UG/L	190			<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R	<0.5	<0.5 R	<0.5	<3
Acenaphthene	N	UG/L	53			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
Acenaphthylene	N	UG/L				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
Acetophenone	N	UG/L	190			<0.5	<0.5	<0.5	**0.7 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<3
Aniline	N	UG/L	13			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3
Anthracene	N	UG/L	180			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
Benzo(A)Anthracene	N	UG/L	0.012			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
Benzo(B)Fluoranthene	N	UG/L	0.034			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.2 J**	<0.5
Benzo(G,H,I)Perylene	N	UG/L				<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ	<0.1 UJ	<0.1 UJ	**0.2 J**	<0.5
Benzo(K)Fluoranthene	N	UG/L	0.34			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.1 J**	<0.5
Benzo[A]Pyrene	N	UG/L	0.0034	0.2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.2 J**	<0.5
Butyl Benzyl Phthalate	N	UG/L	16												
Chrysene	N	UG/L	3.4			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.2 J**	<0.5
Dibenz(A,H)Anthracene	N	UG/L	0.0034			<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ	<0.1 UJ	<0.1 UJ	<0.1	<0.5
Dibenzofuran	N	UG/L	0.79			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<3
Fluoranthene	N	UG/L	80			<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ	<0.1 UJ	<0.1 UJ	**0.3 J**	<0.5
Fluorene	N	UG/L	29			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
Indeno (1,2,3-CD) Pyrene	N	UG/L	0.034			<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ	<0.1 UJ	<0.1 UJ	**0.1 J**	<0.5
Naphthalene	N	UG/L	0.17			<0.1	<0.1	<0.1	**1**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
Phenanthrene	N	UG/L				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
Phenol	N	UG/L	580			<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R	<0.5	<0.5 R	<0.5	<3
Pyrene	N	UG/L	12			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.3 J**	<0.5
Pyridine	N	UG/L	2			<2	<2	<2	<2	<2	<2	<2	<2	<2	<10

Table 5.34
RFI Monitoring Wells Results
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Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-21-SO	MW-22-A	MW-22-DO	MW-22-SO	MW-23-A	MW-23-DO	MW-23-SO	MW-24-A	MW-24-DO	MW-24-SO
			EPA SL Tap Water	Federal MCL	Field Sample ID	GWRFI-14-MW-21-SO	GWRFI-14-MW-22-A	GWRFI-14-MW-22-DO	GWRFI-14-MW-22-SO	GWRFI-14-MW-23-A	GWRFI-14-MW-23-DO	GWRFI-14-MW-23-SO	GWRFI-14-MW-24-A	GWRFI-14-MW-24-DO	GW4Q14-MW-24-SO
					Date Sampled	11/17/2014	11/20/2014	11/20/2014	11/20/2014	11/19/2014	11/19/2014	11/19/2014	12/04/2014	12/04/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds															
1,1,2-Trichloroethane	N	UG/L	0.041	5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
1,1-Dichloroethane	N	UG/L	2.7			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
1,1-Dichloroethene	N	UG/L	28	7		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
1,2,3-Trichloropropane	N	UG/L	0.00075			<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-Dichlorobenzene	N	UG/L	30	600		<1	<1	<1	<1	<1	<1	<1	<1	<1	
1,2-Dichloroethane	N	UG/L	0.17	5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Acetone	N	UG/L	1400			<6	<6	<6	<6	<6	<6	<6	<6	<6	
Benzene	N	UG/L	0.45	5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**510**
Chlorobenzene	N	UG/L	7.8	100		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Chloroform	N	UG/L	0.22			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
cis-1,2 Dichloroethene	N	UG/L	3.6	70		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Ethylbenzene	N	UG/L	1.5	700		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**180**
Formaldehyde	N	UG/L	0.43			**140**	**22 J**	**23 J**	**59 J**	**31 B**	**40 B**	**27 B**	**48 J**	**46 J**	
Methyl Ethyl Ketone	N	UG/L	560			<3	<3	<3	<3	<3	<3	<3	<3	<3	
Methyl Methacrylate	N	UG/L	140			<1	<1	<1	<1	<1	<1	<1	<1	<1	
Methylene Chloride	N	UG/L	11	5		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Toluene	N	UG/L	110	1000		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.9 J**
trans-1,2-Dichloroethene	N	UG/L	36	100		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Trichloroethene	N	UG/L	0.28	5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Vinyl Chloride	N	UG/L	0.019	2		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Xylenes	N	UG/L	19	10000		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.9 J**	<0.5	**22**
Semi-Volatile Organic Compounds															
1,4-Dioxane	N	UG/L	0.67			<1	<1	<1	<1	<1	**3 J**	**1 J**	**2 J**	**14**	
2,4-Dimethylphenol	N	UG/L	36			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
2-Chloronaphthalene	N	UG/L	75			<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	
2-Methylnaphthalene	N	UG/L	3.6			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	
2-Methylphenol (O-Cresol)	N	UG/L	93			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
2-Nitrophenol	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.8 J**	<0.5	
2-Picoline	N	UG/L				<2	<2	<2	<2	<2	<2	<2	<2	<2	
4-Methylphenol (P-Cresol)	N	UG/L	190			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Acenaphthene	N	UG/L	53			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.3 J**	<0.1	
Acenaphthylene	N	UG/L				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	
Acetophenone	N	UG/L	190			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Aniline	N	UG/L	13			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Anthracene	N	UG/L	180			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzo(A)Anthracene	N	UG/L	0.012			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzo(B)Fluoranthene	N	UG/L	0.034			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.1 J**	<0.1	<0.1	
Benzo(G,H,I)Perylene	N	UG/L				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzo(K)Fluoranthene	N	UG/L	0.34			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzo[A]Pyrene	N	UG/L	0.0034	0.2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Butyl Benzyl Phthalate	N	UG/L	16												
Chrysene	N	UG/L	3.4			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Dibenz(A,H)Anthracene	N	UG/L	0.0034			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Dibenzofuran	N	UG/L	0.79			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Fluoranthene	N	UG/L	80			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.1 J**	<0.1	<0.1	
Fluorene	N	UG/L	29			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Indeno (1,2,3-CD) Pyrene	N	UG/L	0.034			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Naphthalene	N	UG/L	0.17			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.1 J**	<0.1	**790**
Phenanthrene	N	UG/L				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Phenol	N	UG/L	580			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Pyrene	N	UG/L	12			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.2 J**	<0.1	<0.1	
Pyridine	N	UG/L	2			<2	<2	<2	<2	<2	<2	<2	<2	<2	

Table 5.34
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Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-24-SO	MW-25-SO	MW-25-SO	MW-26-SO	MW-27-DO	MW-27-SO	MW-29-DO	MW-30-SO	MW-31-DO	MW-31-SO
			EPA SL Tap Water	Federal MCL	Field Sample ID	GWRFI-14-MW-24-SO	GW4Q14-MW-25-SO	GWRFI-14-MW-25-SO	GWRFI-14-MW-26-SO	GWRFI-14-MW-27-DO	GWRFI-14-MW-27-SO	GWRFI-14-MW-29-DO	GWRFI-14-MW-30-SO	GWRFI-14-MW-31-DO	GW4Q14-MW-31-SO
					Date Sampled	12/03/2014	12/03/2014	12/03/2014	12/04/2014	11/17/2014	11/17/2014	11/17/2014	11/20/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds															
1,1,2-Trichloroethane	N	UG/L	0.041	5		<0.5		<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
1,1-Dichloroethane	N	UG/L	2.7			<0.5		<10	<0.5	<0.5	<0.5	**9**	<0.5	**2**	
1,1-Dichloroethene	N	UG/L	28	7		<0.5		<10	<0.5	<0.5	<0.5	**16**	<0.5	**1**	
1,2,3-Trichloropropane	N	UG/L	0.00075			<1		<20	<1	<1	<1	<1	<1	<1	
1,2-Dichlorobenzene	N	UG/L	30	600		<1		<20	<1	<1	<1	<1	<1	<1	
1,2-Dichloroethane	N	UG/L	0.17	5		<0.5		<10	<0.5	<0.5	<0.5	**2**	<0.5	**6**	
Acetone	N	UG/L	1400			**13 J**		<120	<6	<6	<6	<6	<6	<6	
Benzene	N	UG/L	0.45	5		**540**	**27000**	**27000**	<0.5	**1**	<0.5	<0.5	<0.5	**1**	**170000**
Chlorobenzene	N	UG/L	7.8	100		<0.5		<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Chloroform	N	UG/L	0.22			<0.5		<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
cis-1,2 Dichloroethene	N	UG/L	3.6	70		<0.5		<10	<0.5	<0.5	<0.5	**8**	<0.5	<0.5	
Ethylbenzene	N	UG/L	1.5	700		**150**	**600**	**540**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**280**
Formaldehyde	N	UG/L	0.43			**1700 J**		**1100 J**	**66 J**	**34 J**	**59**	**70**	<20	**29 J**	
Methyl Ethyl Ketone	N	UG/L	560			**6 J**		<60	<3	<3	<3	<3	<3	<3	
Methyl Methacrylate	N	UG/L	140			<1		<20	<1	<1	<1	<1	<1	<1	
Methylene Chloride	N	UG/L	11	5		<2	<40	<40	<2	<2	<2	<2	<2	<2	<400
Toluene	N	UG/L	110	1000		**1**	<10	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1300**
trans-1,2-Dichloroethene	N	UG/L	36	100		<0.5		<10	<0.5	<0.5	<0.5	**0.6 J**	<0.5	<0.5	
Trichloroethene	N	UG/L	0.28	5		<0.5		<10	<0.5	<0.5	<0.5	**4**	<0.5	<0.5	
Vinyl Chloride	N	UG/L	0.019	2		<0.5		<10	<0.5	<0.5	<0.5	**4**	<0.5	**0.5 J**	
Xylenes	N	UG/L	19	10000		**18**	**420**	**410**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**290**
Semi-Volatile Organic Compounds															
1,4-Dioxane	N	UG/L	0.67			<1		**4 J**	<1	**17**	<1	**130**	<1	**6**	
2,4-Dimethylphenol	N	UG/L	36			**5**		**0.9 J**	<0.5	**7**	<0.5	<0.5	<0.5	<0.5	
2-Chloronaphthalene	N	UG/L	75			<0.4		<0.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	
2-Methylnaphthalene	N	UG/L	3.6			**25 J**		**67 J**	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1	
2-Methylphenol (O-Cresol)	N	UG/L	93			**13**		**18**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
2-Nitrophenol	N	UG/L				<0.5		<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
2-Picoline	N	UG/L				**17**		**75**	<2	<2	<2	<2	<2	<2	
4-Methylphenol (P-Cresol)	N	UG/L	190			**2**		**3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Acenaphthene	N	UG/L	53			**9**		**18**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Acenaphthylene	N	UG/L				**0.8 J**		**0.5 J**	<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1	
Acetophenone	N	UG/L	190			**1**		**11**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Aniline	N	UG/L	13			<0.5		<0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Anthracene	N	UG/L	180			**0.6**		**0.2 J**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzo(A)Anthracene	N	UG/L	0.012			**0.3 J**		<0.1	**0.1 J**	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzo(B)Fluoranthene	N	UG/L	0.034			**0.6**		<0.1	**0.2 J**	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzo(G,H,I)Perylene	N	UG/L				**0.3 J**		<0.1	**0.1 J**	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzo(K)Fluoranthene	N	UG/L	0.34			**0.2 J**		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzo[A]Pyrene	N	UG/L	0.0034	0.2		**0.3 J**		<0.1	**0.1 J**	<0.1	<0.1	<0.1	<0.1	<0.1	
Butyl Benzyl Phthalate	N	UG/L	16												
Chrysene	N	UG/L	3.4			**0.4 J**		<0.1	**0.1 J**	<0.1	<0.1	<0.1	<0.1	<0.1	
Dibenz(A,H)Anthracene	N	UG/L	0.0034			<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Dibenzofuran	N	UG/L	0.79			**2**		**3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Fluoranthene	N	UG/L	80			**0.7**		**0.2 J**	**0.2 J**	<0.1	<0.1	<0.1	<0.1	**0.3 J**	
Fluorene	N	UG/L	29			**0.7**		**1**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Indeno (1,2,3-CD) Pyrene	N	UG/L	0.034			**0.3 J**		<0.1	**0.1 J**	<0.1	<0.1	<0.1	<0.1	<0.1	
Naphthalene	N	UG/L	0.17			**670**	**3600**	**4500**	**0.3 J**	<0.1	<0.1	<0.1	<0.1	<0.1	**370 J**
Phenanthrene	N	UG/L				**1**		**2**	**0.1 J**	<0.1	<0.1	<0.1	<0.1	<0.1	
Phenol	N	UG/L	580			**4**		**540**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Pyrene	N	UG/L	12			**0.9**		**0.1 J**	**0.2 J**	<0.1	<0.1	<0.1	<0.1	**0.3 J**	
Pyridine	N	UG/L	2			<2		<2	<2	<2	<2	<2	<2	<2	

Table 5.34
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Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-31-SO	MW-32-DO	MW-35-DO	MW-36-SO	MW-36-SO	MW-37	MW-39-SO	MW-70-SO	MW-72-SO	MW-72-SO
			EPA SL Tap Water	Federal MCL	Field Sample ID	GWRFI-14-MW-31-SO	GWRFI-14-MW-32-DO	GWRFI-14-MW-35-DO	GW4Q14-MW-36	GWRFI-14-MW-36-SO	GW4Q14-MW-37	GWRFI-14-MW-39-SO	GWRFI-14-MW-70-SO	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D
					Date Sampled	12/10/2014	11/17/2014	11/13/2014	12/03/2014	12/10/2014	12/03/2014	12/04/2014	11/19/2014	11/21/2014	11/21/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	DUP
Volatile Organic Compounds															
1,1,2-Trichloroethane	N	UG/L	0.041	5		<50	<0.5	<0.5		<0.5		<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	N	UG/L	2.7			<50	**2**	**2**		<0.5		<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	N	UG/L	28	7		<50	**2**	<0.5		<0.5		<0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	N	UG/L	0.00075			<100	<1	<1		<1		<1	<1	<1	<1
1,2-Dichlorobenzene	N	UG/L	30	600		<100	<1	<1		<1		<1	<1	<1	<1
1,2-Dichloroethane	N	UG/L	0.17	5		<50	<0.5	**2**		<0.5		<0.5	<0.5	<0.5	<0.5
Acetone	N	UG/L	1400			<600	<6	<6		<6		<6	<6	<6	<6
Benzene	N	UG/L	0.45	5		**190000**	<0.5	<0.5	**200**	**26**	<0.5	<0.5	**8**	<0.5	<0.5
Chlorobenzene	N	UG/L	7.8	100		<50	<0.5	<0.5		<0.5		<0.5	<0.5	<0.5	<0.5
Chloroform	N	UG/L	0.22			<50	<0.5	<0.5		<0.5		<0.5	<0.5	<0.5	<0.5
cis-1,2 Dichloroethene	N	UG/L	3.6	70		<50	**2**	<0.5		<0.5		<0.5	<0.5	<0.5	<0.5
Ethylbenzene	N	UG/L	1.5	700		**310**	<0.5	<0.5	**2**	**1**	<0.5	<0.5	<0.5	<0.5	<0.5
Formaldehyde	N	UG/L	0.43			**260 J**	**48 J**	**52**		**21 J**		**30 J**	**81 B**	**67 J**	**77 J**
Methyl Ethyl Ketone	N	UG/L	560			<300	<3	<3		<3		<3	<3	<3	<3
Methyl Methacrylate	N	UG/L	140			<100	<1	<1		<1		<1	<1	<1	<1
Methylene Chloride	N	UG/L	11	5		<200	<2	<2	<2	<2	<2	<2	<2	<2	<2
Toluene	N	UG/L	110	1000		**1500**	<0.5	<0.5	**5**	**1**	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	N	UG/L	36	100		<50	<0.5	<0.5		<0.5		<0.5	<0.5	<0.5	<0.5
Trichloroethene	N	UG/L	0.28	5		<50	**4**	<0.5		<0.5		<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	N	UG/L	0.019	2		<50	**2**	**1**		<0.5		<0.5	<0.5	<0.5	<0.5
Xylenes	N	UG/L	19	10000		**470**	<0.5	<0.5	**4**	**3**	<0.5	<0.5	<0.5	<0.5	<0.5
Semi-Volatile Organic Compounds															
1,4-Dioxane	N	UG/L	0.67			**2 J**	**20**	<1		<1		<1	<1	<1	<1
2,4-Dimethylphenol	N	UG/L	36			**160**	<0.5	<0.5 R		<0.5		<0.5	<0.5	<0.5	<0.5
2-Chloronaphthalene	N	UG/L	75			<0.5	<0.4	<0.4		<0.4		<0.4	<0.4	<0.4	<0.4
2-Methylnaphthalene	N	UG/L	3.6			**5**	<0.1	<0.1		<0.1		<0.1 UJ	<0.1	<0.1	<0.1
2-Methylphenol (O-Cresol)	N	UG/L	93			**280**	<0.5	<0.5 R		<0.5		<0.5	<0.5	<0.5	<0.5
2-Nitrophenol	N	UG/L				<0.6	<0.5	<0.5 R		<0.5		<0.5	<0.5	<0.5	<0.5
2-Picoline	N	UG/L				<2	<2	<2		<2		<2	<2	<2	<2
4-Methylphenol (P-Cresol)	N	UG/L	190			**150**	<0.5	<0.5 R		<0.5		<0.5	<0.5	<0.5	<0.5
Acenaphthene	N	UG/L	53			**1**	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Acenaphthylene	N	UG/L				**0.2 J**	<0.1	<0.1		<0.1		<0.1 UJ	<0.1	<0.1	<0.1
Acetophenone	N	UG/L	190			**210**	<0.5	<0.5		<0.5		<0.5	<0.5	<0.5	<0.5
Aniline	N	UG/L	13			**5**	<0.5	<0.5		<0.5		<0.5	<0.5	<0.5	<0.5
Anthracene	N	UG/L	180			**1**	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Benzo(A)Anthracene	N	UG/L	0.012			**0.2 J**	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Benzo(B)Fluoranthene	N	UG/L	0.034			**0.2 J**	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Benzo(G,H,I)Perylene	N	UG/L				**0.2 J**	<0.1	<0.1 UJ		<0.1		<0.1	<0.1	<0.1	<0.1
Benzo(K)Fluoranthene	N	UG/L	0.34			**0.1 J**	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Benzo[A]Pyrene	N	UG/L	0.0034	0.2		**0.2 J**	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Butyl Benzyl Phthalate	N	UG/L	16												
Chrysene	N	UG/L	3.4			**0.3 J**	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Dibenz(A,H)Anthracene	N	UG/L	0.0034			<0.1	<0.1	<0.1 UJ		<0.1		<0.1	<0.1	<0.1	<0.1
Dibenzofuran	N	UG/L	0.79			**3**	<0.5	<0.5		<0.5		<0.5	<0.5	<0.5	<0.5
Fluoranthene	N	UG/L	80			**0.9**	<0.1	<0.1 UJ		<0.1		<0.1	<0.1	<0.1	<0.1
Fluorene	N	UG/L	29			**3**	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Indeno (1,2,3-CD) Pyrene	N	UG/L	0.034			**0.1 J**	<0.1	<0.1 UJ		<0.1		<0.1	<0.1	<0.1	<0.1
Naphthalene	N	UG/L	0.17			**390**	<0.1	<0.1	**8**	<0.1	**2 J**	<0.1	<0.1	<0.1	<0.1
Phenanthrene	N	UG/L				**2**	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Phenol	N	UG/L	580			**630**	<0.5	<0.5 R		<0.5		<0.5	<0.5	<0.5	<0.5
Pyrene	N	UG/L	12			**0.6**	<0.1	<0.1		<0.1		<0.1	<0.1	<0.1	<0.1
Pyridine	N	UG/L	2			**29**	<2	<2		<2		<2	<2	<2	<2

Table 5.34
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Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-73-SO	MW-73-SO	MW-75-SO	MW-75-SO	MW-76-SO	MW-76-SO	MW-76-SO	MW-77-SO	MW-77-SO	MW-85-A
			EPA SL Tap Water	Federal MCL	Field Sample ID	GW4Q14-MW-73-SO	GWRFI-14-MW-73-SO	GW4Q14-MW-75-SO	GWRFI-14-MW-75-SO	GW4Q14-MW-76-SO	GW4Q14-MW-76-SO-D	GWRFI-14-MW-76-SO	GW4Q14-MW-77-SO	GWRFI-14-MW-77-SO	GWRFI-14-MW-85-A
					Date Sampled	12/03/2014	12/03/2014	12/03/2014	12/03/2014	12/10/2014	12/10/2014	12/10/2014	12/08/2014	12/08/2014	11/20/2014
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS
Volatile Organic Compounds															
1,1,2-Trichloroethane	N	UG/L	0.041	5			<3		<0.5			<0.5		<0.5	<0.5
1,1-Dichloroethane	N	UG/L	2.7				<3		**1**			**0.7 J**		<0.5	<0.5
1,1-Dichloroethene	N	UG/L	28	7			<3		<0.5			<0.5		<0.5	<0.5
1,2,3-Trichloropropane	N	UG/L	0.00075				<5		<1			<1		<1	<1
1,2-Dichlorobenzene	N	UG/L	30	600			<5		<1			<1		<1	<1
1,2-Dichloroethane	N	UG/L	0.17	5			<3		<0.5			<0.5		<0.5	<0.5
Acetone	N	UG/L	1400				<30		<6			<6		<6	**11 J**
Benzene	N	UG/L	0.45	5		**6500**	**5700**	<0.5	<0.5	**17 J**	**7 J**	**6**	<0.5	<0.5	**0.5 J**
Chlorobenzene	N	UG/L	7.8	100			<3		<0.5			<0.5		<0.5	<0.5
Chloroform	N	UG/L	0.22				<3		<0.5			<0.5		<0.5	<0.5
cis-1,2 Dichloroethene	N	UG/L	3.6	70			<3		<0.5			<0.5		<0.5	<0.5
Ethylbenzene	N	UG/L	1.5	700		**26**	**23**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Formaldehyde	N	UG/L	0.43				**47 J**		**240 J**			**40 J**		**32 J**	**32 B**
Methyl Ethyl Ketone	N	UG/L	560				<15		<3			<3		<3	**4 J**
Methyl Methacrylate	N	UG/L	140				<5		<1			<1		<1	<1
Methylene Chloride	N	UG/L	11	5		<20	<10	<2	<2	<2	<2	<2	<2	<2	<2
Toluene	N	UG/L	110	1000		<5	<3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.7 J**
trans-1,2-Dichloroethene	N	UG/L	36	100			<3		<0.5			<0.5		<0.5	<0.5
Trichloroethene	N	UG/L	0.28	5			<3		<0.5			<0.5		<0.5	<0.5
Vinyl Chloride	N	UG/L	0.019	2			<3		<0.5			<0.5		<0.5	<0.5
Xylenes	N	UG/L	19	10000		**12**	**16**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semi-Volatile Organic Compounds															
1,4-Dioxane	N	UG/L	0.67				<1		**2 J**			**5**		**2 J**	<1
2,4-Dimethylphenol	N	UG/L	36				<0.5		<0.5			<0.5		<0.5	<0.5
2-Chloronaphthalene	N	UG/L	75				<0.4		<0.4			<0.4		**17**	<0.4
2-Methylnaphthalene	N	UG/L	3.6				**78 J**		<0.1 UJ			<0.1		<0.1	<0.1
2-Methylphenol (O-Cresol)	N	UG/L	93				<0.5		<0.5			<0.5		<0.5	<0.5
2-Nitrophenol	N	UG/L					<0.5		<0.5			<0.5		<0.5	<0.5
2-Picoline	N	UG/L					<2		<2			<2		<2	<2
4-Methylphenol (P-Cresol)	N	UG/L	190				**0.7 J**		<0.5			<0.5		<0.5	<0.5
Acenaphthene	N	UG/L	53				**41**		**99**			<0.1		<0.1	<0.1
Acenaphthylene	N	UG/L					**0.9 J**		**4 J**			<0.1		<0.1	<0.1
Acetophenone	N	UG/L	190				**1**		**4**			<0.5		<0.5	<0.5
Aniline	N	UG/L	13				<0.5		<0.5			<0.5		<0.5	<0.5
Anthracene	N	UG/L	180				**2**		**0.5**			<0.1		<0.1	<0.1
Benzo(A)Anthracene	N	UG/L	0.012				**1**		**0.1 J**			<0.1		<0.1	<0.1
Benzo(B)Fluoranthene	N	UG/L	0.034				**1**		<0.1			<0.1		<0.1	<0.1
Benzo(G,H,I)Perylene	N	UG/L					**0.6**		<0.1			<0.1		<0.1	<0.1
Benzo(K)Fluoranthene	N	UG/L	0.34				**0.4 J**		<0.1			<0.1		<0.1	<0.1
Benzo[A]Pyrene	N	UG/L	0.0034	0.2			**1**		<0.1			<0.1		<0.1	<0.1
Butyl Benzyl Phthalate	N	UG/L	16												
Chrysene	N	UG/L	3.4				**1**		**0.2 J**			<0.1		<0.1	<0.1
Dibenz(A,H)Anthracene	N	UG/L	0.0034				**0.2 J**		<0.1			<0.1		<0.1	<0.1
Dibenzofuran	N	UG/L	0.79				**10**		<0.5			<0.5		**0.7 J**	<0.5
Fluoranthene	N	UG/L	80				**5**		**2**			**0.4 J**		**0.4 J**	<0.1
Fluorene	N	UG/L	29				**7**		**4**			**0.6**		**0.3 J**	<0.1
Indeno (1,2,3-CD) Pyrene	N	UG/L	0.034				**0.5**		<0.1			<0.1		<0.1	<0.1
Naphthalene	N	UG/L	0.17			**2100**	**2800**	**2 J**	**0.3 J**	**1 J**	<1	**0.5**	<1	<0.1	<0.1
Phenanthrene	N	UG/L					**12**		**0.3 J**			**0.2 J**		<0.1	<0.1
Phenol	N	UG/L	580				**38**		<0.5			<0.5		<0.5	**3**
Pyrene	N	UG/L	12				**4**		**2**			**0.4 J**		**0.3 J**	<0.1
Pyridine	N	UG/L	2				<2		<2			<2		<2	<2

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Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-86-SO	MW-87-SO	MW-88	MW-88	MW-89	MW-89	MW-89	MW-89
			EPA SL Tap Water	Federal MCL	Field Sample ID	GWRFI-14-MW-86-SO	GWRFI-14-MW-87-SO	GW4Q14-MW-88	GWRFI-14-MW-88	GW4Q14-MW-89	GW4Q14-MW-89-D	GWRFI-14-MW-89	GWRFI-14-MW-89-D
					Date Sampled	11/21/2014	11/21/2014	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS	DUP
Volatile Organic Compounds													
1,1,2-Trichloroethane	N	UG/L	0.041	5		<0.5	<0.5		<0.5			<0.5	<0.5
1,1-Dichloroethane	N	UG/L	2.7			<0.5	<0.5		<0.5			<0.5	<0.5
1,1-Dichloroethene	N	UG/L	28	7		<0.5	<0.5		<0.5			<0.5	<0.5
1,2,3-Trichloropropane	N	UG/L	0.00075			<1	<1		<1			<1	<1
1,2-Dichlorobenzene	N	UG/L	30	600		<1	<1		<1			<1	<1
1,2-Dichloroethane	N	UG/L	0.17	5		<0.5	<0.5		<0.5			<0.5	<0.5
Acetone	N	UG/L	1400			<6	<6		<6			<6	<6
Benzene	N	UG/L	0.45	5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	N	UG/L	7.8	100		<0.5	<0.5		<0.5			<0.5	<0.5
Chloroform	N	UG/L	0.22			<0.5	<0.5		<0.5			<0.5	<0.5
cis-1,2 Dichloroethene	N	UG/L	3.6	70		<0.5	<0.5		**0.6 J**			<0.5	<0.5
Ethylbenzene	N	UG/L	1.5	700		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Formaldehyde	N	UG/L	0.43			**51 J**	**87 J**		<20 UJ			<20 UJ	**23 J**
Methyl Ethyl Ketone	N	UG/L	560			<3	<3		<3			<3	<3
Methyl Methacrylate	N	UG/L	140			<1	<1		<1			<1	<1
Methylene Chloride	N	UG/L	11	5		<2	<2	<2	<2	<2	<2	<2	<2
Toluene	N	UG/L	110	1000		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	N	UG/L	36	100		<0.5	<0.5		<0.5			<0.5	<0.5
Trichloroethene	N	UG/L	0.28	5		<0.5	<0.5		**0.7 J**			<0.5	<0.5
Vinyl Chloride	N	UG/L	0.019	2		<0.5	<0.5		<0.5			<0.5	<0.5
Xylenes	N	UG/L	19	10000		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semi-Volatile Organic Compounds													
1,4-Dioxane	N	UG/L	0.67			<1	**4 J**		**3 J**			**4 J**	**4 J**
2,4-Dimethylphenol	N	UG/L	36			<0.5	<0.5		<0.5			<0.5	<0.5
2-Chloronaphthalene	N	UG/L	75			<0.4	<0.4		<0.4			<0.4	<0.4
2-Methylnaphthalene	N	UG/L	3.6			<0.1	<0.1		<0.1			<0.1	<0.1
2-Methylphenol (O-Cresol)	N	UG/L	93			<0.5	<0.5		<0.5			<0.5	<0.5
2-Nitrophenol	N	UG/L				<0.5	<0.5		<0.5			<0.5	<0.5
2-Picoline	N	UG/L				<2	<2		<2			<2	<2
4-Methylphenol (P-Cresol)	N	UG/L	190			<0.5	<0.5		<0.5			<0.5	<0.5
Acenaphthene	N	UG/L	53			<0.1	<0.1		<0.1			<0.1	<0.1
Acenaphthylene	N	UG/L				<0.1	<0.1		<0.1			<0.1	<0.1
Acetophenone	N	UG/L	190			<0.5	<0.5		<0.5			<0.5	<0.5
Aniline	N	UG/L	13			<0.5	<0.5		<0.5			<0.5	<0.5
Anthracene	N	UG/L	180			<0.1	<0.1		<0.1			<0.1	<0.1
Benzo(A)Anthracene	N	UG/L	0.012			<0.1	<0.1		<0.1			<0.1	<0.1
Benzo(B)Fluoranthene	N	UG/L	0.034			<0.1	<0.1		<0.1			<0.1	<0.1
Benzo(G,H,I)Perylene	N	UG/L				<0.1	<0.1		<0.1			<0.1	<0.1
Benzo(K)Fluoranthene	N	UG/L	0.34			<0.1	<0.1		<0.1			<0.1	<0.1
Benzo[A]Pyrene	N	UG/L	0.0034	0.2		<0.1	<0.1		<0.1			<0.1	<0.1
Butyl Benzyl Phthalate	N	UG/L	16										
Chrysene	N	UG/L	3.4			<0.1	<0.1		<0.1			<0.1	<0.1
Dibenz(A,H)Anthracene	N	UG/L	0.0034			<0.1	<0.1		<0.1			<0.1	<0.1
Dibenzofuran	N	UG/L	0.79			<0.5	<0.5		<0.5			<0.5	<0.5
Fluoranthene	N	UG/L	80			<0.1	<0.1		<0.1			**0.2 J**	**0.1 J**
Fluorene	N	UG/L	29			<0.1	<0.1		<0.1			<0.1	<0.1
Indeno (1,2,3-CD) Pyrene	N	UG/L	0.034			<0.1	<0.1		<0.1			<0.1	<0.1
Naphthalene	N	UG/L	0.17			<0.1	<0.1	<1	<0.1	<1	<1	<0.1	<0.1
Phenanthrene	N	UG/L				<0.1	<0.1		<0.1			**0.2 J**	<0.1
Phenol	N	UG/L	580			<0.5	<0.5		<0.5			<0.5	<0.5
Pyrene	N	UG/L	12			<0.1	<0.1		<0.1			**0.3 J**	**0.2 J**
Pyridine	N	UG/L	2			<2	<2		<2			<2	<2

Table 5.34
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Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-18-A	MW-18-A	MW-18-DO	MW-18-DO	MW-18-SO	MW-18-SO	MW-19-A	MW-19-A	MW-19-DO	MW-19-DO
			EPA SL Tap Water	Federal MCL	Field Sample ID	GWRFI-14-MW-18-A	GWRFI-14-MW-18-A-Z	GWRFI-14-MW-18-DO	GWRFI-14-MW-18-DO-Z	GWRFI-14-MW-18-SO	GWRFI-14-MW-18-SO-Z	GWRFI-14-MW-19-A	GWRFI-14-MW-19-A-Z	GWRFI-14-MW-19-DO	GWRFI-14-MW-19-DO-Z
					Date Sampled	11/19/2014	11/19/2014	11/19/2014	11/19/2014	11/19/2014	11/19/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics															
Antimony	N	UG/L	0.78	6		**1.9**		<0.33		**2.7**		<0.33		**0.34 J**	
Antimony	Y	UG/L	0.78	6			**1.3**		<0.33		**0.49 J**		<0.33		<0.33
Arsenic	N	UG/L	0.052	10		**0.95 J**		**11.6**		**11.2**		**11.3**		**56.6**	
Arsenic	Y	UG/L	0.052	10			<0.82		**8.8**		**4.3**		**7.6**		**3.4**
Barium	N	UG/L	380	2000		**347**		**97.8**		**205**		**28900**		**466**	
Barium	Y	UG/L	380	2000			**338**		**95.8**		**185**		**29100**		**187**
Beryllium	N	UG/L	2.5	4		<0.67		<0.67		<0.67		<0.67		<0.67	
Beryllium	Y	UG/L	2.5	4			<0.67		<0.67		<0.67		<0.67		<0.67
Cadmium	N	UG/L	0.92	5		**1.4 J**		**0.41 J**		**0.59 J**		**0.51 J**		**3.0 J**	
Cadmium	Y	UG/L	0.92	5			**0.82 J**		<0.33		<0.33		**0.55 J**		**0.62 J**
Chromium	N	UG/L	2200	100		**4.0 J**		**2.2 J**		**2.6 J**		<1.3		**1.6 J**	
Chromium	Y	UG/L	2200	100			**1.8 J**		**1.8 J**		**1.6 J**		**1.6 J**		<1.3
Cobalt	N	UG/L	0.6			<1.0		**18.2**		<1.0		**2.5 J**		**44.1**	
Cobalt	Y	UG/L	0.6				<1.0		**18.3**		<1.0		**2.3 J**		**12.2**
Copper	N	UG/L	80	1300		**8.5 J**		**3.0 J**		**67.4**		**59.7**		**5.3 J**	
Copper	Y	UG/L	80	1300			<2.8		<2.8		<2.8		<2.8		<2.8
Lead	N	UG/L	15	15		**4.5**		**1.1**		**3.3**		<0.082		**3.6 J**	
Lead	Y	UG/L	15	15			<0.082		<0.082		**0.088 J**		<0.082		<0.082
Mercury	N	UG/L	0.063	2		**0.085 J**		<0.060		<0.060		**0.066 B**		<0.060	
Mercury	Y	UG/L	0.063	2			<0.060		<0.060		<0.060		<0.060		<0.060
Nickel	N	UG/L	39			**12.8**		**7.8 J**		<1.6		**1.7 J**		**2.7 J**	
Nickel	Y	UG/L	39				**4.0 J**		**7.1 J**		<1.6		**2.2 J**		**2.9 J**
Selenium	N	UG/L	10	50		<0.50		<0.50		<0.50		<0.50		<0.50	
Selenium	Y	UG/L	10	50			<0.50		<0.50		<0.50		<0.50		<0.50
Silver	N	UG/L	9.4			<1.8		<1.8		<1.8		<1.8		**2.4 J**	
Silver	Y	UG/L	9.4				<1.8		<1.8		<1.8		<1.8		<1.8
Thallium	N	UG/L	0.02	2		<0.15		<0.15		<0.15		<0.15		<0.15	
Thallium	Y	UG/L	0.02	2			<0.15		<0.15		<0.15		<0.15		<0.15
Tin	N	UG/L	1200			<2.4		<2.4		<2.4		**4.1 J**		<2.4	
Tin	Y	UG/L	1200				<2.4		<2.4		<2.4		**4.1 J**		<2.4
Vanadium	N	UG/L	8.6			<1.9		<1.9		<1.9		<1.9		<1.9	
Vanadium	Y	UG/L	8.6				<1.9		<1.9		<1.9		<1.9		<1.9
Zinc	N	UG/L	600			**63.1**		**43.6 J**		**113**		**73**		**104**	
Zinc	Y	UG/L	600				**13.2 B**		**49.9 J**		**48.2**		**53.4**		**30**

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-19-SO	MW-19-SO	MW-20-A	MW-20-A	MW-20-DO	MW-20-DO	MW-21-A	MW-21-A	MW-21-DO	MW-21-DO
			EPA SL Tap Water	Federal MCL	Field Sample ID	GWRFI-14-MW-19-SO	GWRFI-14-MW-19-SO-Z	GWRFI-14-MW-20-A	GWRFI-14-MW-20-A-Z	GWRFI-14-MW-20-DO	GWRFI-14-MW-20-DO-Z	GWRFI-14-MW-21-A	GWRFI-14-MW-21-A-Z	GWRFI-14-MW-21-DO	GWRFI-14-MW-21-DO-Z
					Date Sampled	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/20/2014	11/20/2014	11/17/2014	11/17/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics															
Antimony	N	UG/L	0.78	6		<0.33		**1.7**		**52.2**		**1.5**		**0.73 J**	
Antimony	Y	UG/L	0.78	6			<0.33		**1.7**		**2.6**		**1.3**		**0.46 J**
Arsenic	N	UG/L	0.052	10		**5.5**		**2.3**		**36**		**3.1**		**45.6**	
Arsenic	Y	UG/L	0.052	10			**3.3**		**2.2**		<0.82		**2.6**		**41.7**
Barium	N	UG/L	380	2000		**63.6**		**196**		**765**		**236**		**150**	
Barium	Y	UG/L	380	2000			**58.3**		**180**		**480**		**223**		**123**
Beryllium	N	UG/L	2.5	4		<0.67		<0.67		**4.3 J**		<0.67		**3.5 J**	
Beryllium	Y	UG/L	2.5	4			<0.67		<0.67		<0.67		<0.67		**2.7 J**
Cadmium	N	UG/L	0.92	5		**1.4 J**		**0.35 J**		**8.3**		<0.33		<0.33	
Cadmium	Y	UG/L	0.92	5			**1.3 J**		<0.33		**2.0 J**		<0.33		<0.33
Chromium	N	UG/L	2200	100		<1.3		**11.7 J**		**32.1**		**9.0 J**		**42.6**	
Chromium	Y	UG/L	2200	100			<1.3		**8.2 J**		<1.3		**5.2 J**		**40.5**
Cobalt	N	UG/L	0.6			**19.5**		<1.0		**1.9 J**		<1.0		**4.5 J**	
Cobalt	Y	UG/L	0.6				**16**		<1.0		<1.0		<1.0		**4.1 J**
Copper	N	UG/L	80	1300		**13.3**		**11.4**		**92.2**		**80.9**		**43.2**	
Copper	Y	UG/L	80	1300			**6.4 J**		**10.2**		<2.8		**18.1**		**23.3**
Lead	N	UG/L	15	15		<0.082		**4.3 J**		**20.2 J**		**8.4**		**18.7**	
Lead	Y	UG/L	15	15			<0.082		<0.082		<0.082		<0.082		**11.5**
Mercury	N	UG/L	0.063	2		<0.060		<0.060		**44.6**		**0.093 J**		<0.060	
Mercury	Y	UG/L	0.063	2			<0.060		<0.060		**0.088 B**		<0.060		<0.060
Nickel	N	UG/L	39			**11.8**		**6.7 J**		<8.0		**22.7**		**8.3 J**	
Nickel	Y	UG/L	39				**12.5**		**2.4 J**		<1.6		**3.3 J**		**6.4 J**
Selenium	N	UG/L	10	50		<0.50		**0.51 J**		**2.6**		**0.50 J**		**1.4 J**	
Selenium	Y	UG/L	10	50			<0.50		**0.59 J**		<0.50		**0.53 J**		**1.3 J**
Silver	N	UG/L	9.4			**1.9 J**		<1.8		**4.4 J**		<1.8		<1.8	
Silver	Y	UG/L	9.4				<1.8		<1.8		**2.7 J**		<1.8		<1.8
Thallium	N	UG/L	0.02	2		<0.15		<0.15		<0.15		<0.15		<0.15	
Thallium	Y	UG/L	0.02	2			<0.15		<0.15		<0.15		<0.15		<0.15
Tin	N	UG/L	1200			<2.4		<2.4		**6.8 J**		<2.4		<2.4	
Tin	Y	UG/L	1200				<2.4		<2.4		<2.4		<2.4		<2.4
Vanadium	N	UG/L	8.6			<1.9		**7**		**82.7**		**4.1 J**		**188**	
Vanadium	Y	UG/L	8.6				<1.9		**6.6**		<1.9		**2.2 J**		**161**
Zinc	N	UG/L	600			**118**		**60**		**149**		**90.4**		**23.5**	
Zinc	Y	UG/L	600				**67.3**		**5.5 B**		**27.6**		**13.0 B**		**14.2 J**

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.34
RFI Monitoring Wells Results
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-21-SO	MW-21-SO	MW-22-A	MW-22-A	MW-22-DO	MW-22-DO	MW-22-SO	MW-22-SO	MW-23-A	MW-23-A
			EPA SL Tap Water	Federal MCL	Field Sample ID	GWRFI-14-MW-21-SO	GWRFI-14-MW-21-SO-Z	GWRFI-14-MW-22-A	GWRFI-14-MW-22-A-Z	GWRFI-14-MW-22-DO	GWRFI-14-MW-22-DO-Z	GWRFI-14-MW-22-SO	GWRFI-14-MW-22-SO-Z	GWRFI-14-MW-23-A	GWRFI-14-MW-23-A-Z
					Date Sampled	11/17/2014	11/17/2014	11/20/2014	11/20/2014	11/20/2014	11/20/2014	11/20/2014	11/20/2014	11/19/2014	11/19/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics															
Antimony	N	UG/L	0.78	6		<0.33		<0.33		<0.33		<0.33		<0.33	
Antimony	Y	UG/L	0.78	6			<0.33		<0.33		<0.33		<0.33		<0.33
Arsenic	N	UG/L	0.052	10		<0.82		**42.4**		**21.3**		**0.94 J**		<0.82	
Arsenic	Y	UG/L	0.052	10			<0.82		**30.9**		**20**		**1.1 J**		<0.82
Barium	N	UG/L	380	2000		**149**		**1320**		**293**		**1460 J**		**2400**	
Barium	Y	UG/L	380	2000			**148**		**1270**		**256**		**1760 J**		**2380**
Beryllium	N	UG/L	2.5	4		<0.67		<0.67		<0.67		<0.67		<0.67	
Beryllium	Y	UG/L	2.5	4			<0.67		<0.67		<0.67		<0.67		<0.67
Cadmium	N	UG/L	0.92	5		<0.33		**0.82 J**		**0.76 J**		**4.1 J**		<0.33	
Cadmium	Y	UG/L	0.92	5			<0.33		**1.1 J**		**1.2 J**		**4.6 J**		<0.33
Chromium	N	UG/L	2200	100		**1.5 B**		**2.0 J**		**2.4 J**		**3.0 J**		<1.3	
Chromium	Y	UG/L	2200	100			<1.3		<1.3		<1.3		**1.5 J**		<1.3
Cobalt	N	UG/L	0.6			<1.0		<1.0		<1.0		**26.3**		<1.0	
Cobalt	Y	UG/L	0.6				<1.0		<1.0		<1.0		**20.4**		<1.0
Copper	N	UG/L	80	1300		**2.9 J**		<2.8		**4.5 J**		**280**		<2.8	
Copper	Y	UG/L	80	1300			<2.8		<2.8		<2.8		**121**		<2.8
Lead	N	UG/L	15	15		**0.12 J**		**0.39 J**		**0.41 J**		**0.31 J**		<0.082	
Lead	Y	UG/L	15	15			<0.082		<0.082		<0.082		**0.14 J**		<0.082
Mercury	N	UG/L	0.063	2		<0.060		<0.060		<0.060		<0.060		<0.060	
Mercury	Y	UG/L	0.063	2			<0.060		<0.060		<0.060		<0.060		<0.060
Nickel	N	UG/L	39			<1.6		**32.6**		<1.6		**45.2**		<1.6	
Nickel	Y	UG/L	39				<1.6		**10.3**		<1.6		**41.1**		<1.6
Selenium	N	UG/L	10	50		<0.50		<0.50		<0.50		**1.6 J**		<0.50	
Selenium	Y	UG/L	10	50			<0.50		<0.50		<0.50		**1.7 J**		<0.50
Silver	N	UG/L	9.4			<1.8		<1.8		<1.8		<1.8		<1.8	
Silver	Y	UG/L	9.4				<1.8		<1.8		<1.8		<1.8		<1.8
Thallium	N	UG/L	0.02	2		<0.15		<0.15		<0.15		**0.26 J**		<0.15	
Thallium	Y	UG/L	0.02	2			<0.15		<0.15		<0.15		<0.15		<0.15
Tin	N	UG/L	1200			<2.4		<2.4		<2.4		<2.4		<2.4	
Tin	Y	UG/L	1200				<2.4		<2.4		<2.4		<2.4		<2.4
Vanadium	N	UG/L	8.6			<1.9		<1.9		<1.9		<1.9		<1.9	
Vanadium	Y	UG/L	8.6				<1.9		<1.9		<1.9		<1.9		<1.9
Zinc	N	UG/L	600			**35.7**		**9.5 J**		**30.8 J**		**246**		**2.3 B**	
Zinc	Y	UG/L	600				**28.3**		**18.6 B**		**46.8 J**		**143**		<2.0

Footnotes:
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Notes:
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R-Unusable result; analyte may or may not be present in the sample
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K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
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Table 5.34
RFI Monitoring Wells Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-23-DO	MW-23-DO	MW-23-SO	MW-23-SO	MW-24-A	MW-24-A	MW-24-DO	MW-24-DO	MW-24-SO
			EPA SL Tap Water	Federal MCL	Field Sample ID	GWRFI-14-MW-23-DO	GWRFI-14-MW-23-DO-Z	GWRFI-14-MW-23-SO	GWRFI-14-MW-23-SO-Z	GWRFI-14-MW-24-A	GWRFI-14-MW-24-A-Z	GWRFI-14-MW-24-DO	GWRFI-14-MW-24-DO-Z	GWRFI-14-MW-24-SO
					Date Sampled	11/19/2014	11/19/2014	11/19/2014	11/19/2014	12/04/2014	12/04/2014	12/04/2014	12/04/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics														
Antimony	N	UG/L	0.78	6		<0.33		**2.6**		**0.42 J**		<0.33		<0.33
Antimony	Y	UG/L	0.78	6			<0.33		**2**		**0.54 J**		<0.33	
Arsenic	N	UG/L	0.052	10		<0.82		**3.6**		**2.4**		**0.99 J**		**70.9**
Arsenic	Y	UG/L	0.052	10			<0.82		**1.2 J**		**2.5**		<0.82	
Barium	N	UG/L	380	2000		**2730**		**120**		**53**		**2290**		**805**
Barium	Y	UG/L	380	2000			**2700**		**107**		**53.8**		**2280**	
Beryllium	N	UG/L	2.5	4		<0.67		<0.67		<0.67		<0.67		<0.67
Beryllium	Y	UG/L	2.5	4			<0.67		<0.67		<0.67		<0.67	
Cadmium	N	UG/L	0.92	5		**0.43 J**		**0.45 J**		<0.33		<0.33		<0.33
Cadmium	Y	UG/L	0.92	5			**0.64 J**		**0.46 J**		<0.33		<0.33	
Chromium	N	UG/L	2200	100		**2.4 J**		**23.6**		<1.3		**2.2 J**		**2.1 J**
Chromium	Y	UG/L	2200	100			**1.8 J**		**4.3 J**		<1.3		**2.2 J**	
Cobalt	N	UG/L	0.6			<1.0		**8.8**		<1.0		<1.0		<1.0
Cobalt	Y	UG/L	0.6				<1.0		**4.4 J**		<1.0		<1.0	
Copper	N	UG/L	80	1300		<2.8		**40.5**		<2.8		<2.8		**6.1 J**
Copper	Y	UG/L	80	1300			<2.8		**8.1 J**		<2.8		<2.8	
Lead	N	UG/L	15	15		<0.082		**14.2**		<0.082		<0.082		**0.41 J**
Lead	Y	UG/L	15	15			<0.082		**0.39 J**		<0.082		<0.082	
Mercury	N	UG/L	0.063	2		<0.060		**1.1**		<0.060		<0.060		<0.060
Mercury	Y	UG/L	0.063	2			<0.060		**0.17 J**		<0.060		<0.060	
Nickel	N	UG/L	39			<1.6		**12**		**9.9 J**		<1.6		<1.6
Nickel	Y	UG/L	39				<1.6		**3.5 J**		**9.6 J**		<1.6	
Selenium	N	UG/L	10	50		<0.50		**2.5**		**0.54 J**		<0.50		<0.50
Selenium	Y	UG/L	10	50			<0.50		**2.3**		**0.54 J**		<0.50	
Silver	N	UG/L	9.4			<1.8		<1.8		<1.8		<1.8		<1.8
Silver	Y	UG/L	9.4				<1.8		<1.8		<1.8		<1.8	
Thallium	N	UG/L	0.02	2		<0.15		<0.15		<0.15		<0.15		<0.15
Thallium	Y	UG/L	0.02	2			<0.15		<0.15		<0.15		<0.15	
Tin	N	UG/L	1200			<2.4		<2.4		<2.4		<2.4		<2.4
Tin	Y	UG/L	1200				<2.4		<2.4		<2.4		<2.4	
Vanadium	N	UG/L	8.6			<1.9		**5.1**		<1.9		<1.9		<1.9
Vanadium	Y	UG/L	8.6				<1.9		<1.9		<1.9		<1.9	
Zinc	N	UG/L	600			**40.6 J**		**82.2**		**4.3 J**		**29.3**		**25.7**
Zinc	Y	UG/L	600				**46.9 J**		**47.5**		**2.8 J**		**23.9**	

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
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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
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Table 5.34
RFI Monitoring Wells Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-24-SO	MW-25-SO	MW-25-SO	MW-26-SO	MW-26-SO	MW-27-DO	MW-27-DO	MW-27-SO	MW-27-SO
			EPA SL Tap Water	Federal MCL	Field Sample ID	GWRFI-14-MW-24-SO-Z	GWRFI-14-MW-25-SO	GWRFI-14-MW-25-SO-Z	GWRFI-14-MW-26-SO	GWRFI-14-MW-26-SO-Z	GWRFI-14-MW-27-DO	GWRFI-14-MW-27-DO-Z	GWRFI-14-MW-27-SO	GWRFI-14-MW-27-SO-Z
					Date Sampled	12/03/2014	12/03/2014	12/03/2014	12/04/2014	12/04/2014	11/17/2014	11/17/2014	11/17/2014	11/17/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics														
Antimony	N	UG/L	0.78	6			<0.33		**13**		<0.33		**3.2**	
Antimony	Y	UG/L	0.78	6		<0.33		<0.33		**4.8**		<0.33		<0.33
Arsenic	N	UG/L	0.052	10			**131**		**3.8**		**2.8**		**5.2**	
Arsenic	Y	UG/L	0.052	10		**65.5**		**105**		<0.82		**2.9**		**1.4 J**
Barium	N	UG/L	380	2000			**3780**		**326**		**118**		**139**	
Barium	Y	UG/L	380	2000		**759**		**3230**		**30.8**		**118**		**102**
Beryllium	N	UG/L	2.5	4			<0.67		<0.67		<0.67		<0.67	
Beryllium	Y	UG/L	2.5	4		<0.67		<0.67		<0.67		<0.67		<0.67
Cadmium	N	UG/L	0.92	5			<0.33		**3.1 J**		<0.33		<0.33	
Cadmium	Y	UG/L	0.92	5		<0.33		**0.44 J**		<0.33		<0.33		<0.33
Chromium	N	UG/L	2200	100			**2.7 J**		**22.7**		**2.3 J**		**22.1**	
Chromium	Y	UG/L	2200	100		**1.7 J**		**2.5 J**		**6.1 J**		<1.3		**2.5 J**
Cobalt	N	UG/L	0.6				<1.0		**8.1**		**1.2 J**		**12.9**	
Cobalt	Y	UG/L	0.6			<1.0		<1.0		<1.0		<1.0		<1.0
Copper	N	UG/L	80	1300			**9.4 J**		**46.8**		**45.1**		**141**	
Copper	Y	UG/L	80	1300		<2.8		<2.8		**4.4 J**		<2.8		**4.2 J**
Lead	N	UG/L	15	15			**0.77 J**		**19.1**		**1.4**		**39.9**	
Lead	Y	UG/L	15	15		<0.082		<0.082		**0.20 J**		<0.082		**1.5**
Mercury	N	UG/L	0.063	2			<0.060		**0.17 J**		<0.060		**0.59**	
Mercury	Y	UG/L	0.063	2		<0.060		<0.060		<0.060		<0.060		<0.060
Nickel	N	UG/L	39				**18.5**		**14.2**		<1.6		**10.8**	
Nickel	Y	UG/L	39			<1.6		**18.9**		<1.6		<1.6		**1.7 J**
Selenium	N	UG/L	10	50			**0.57 J**		**0.93 J**		<0.50		<0.50	
Selenium	Y	UG/L	10	50		<0.50		**0.50 J**		**0.74 J**		<0.50		<0.50
Silver	N	UG/L	9.4				<1.8		<1.8		<1.8		<1.8	
Silver	Y	UG/L	9.4			<1.8		<1.8		<1.8		<1.8		<1.8
Thallium	N	UG/L	0.02	2			<0.15		<0.15		<0.15		<0.15	
Thallium	Y	UG/L	0.02	2		<0.15		<0.15		<0.15		<0.15		<0.15
Tin	N	UG/L	1200				<2.4		<2.4		<2.4		<2.4	
Tin	Y	UG/L	1200			<2.4		<2.4		<2.4		<2.4		<2.4
Vanadium	N	UG/L	8.6				**1.9 J**		**7.5**		**5.4**		**11.6**	
Vanadium	Y	UG/L	8.6			<1.9		<1.9		<1.9		**2.6 J**		<1.9
Zinc	N	UG/L	600				**11.0 J**		**221**		**3.3 J**		**120**	
Zinc	Y	UG/L	600			**22.2**		**7.2 J**		**14.8 J**		<2.0		**46.5**

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Table 5.34
RFI Monitoring Wells Results
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Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-29-DO	MW-29-DO	MW-30-SO	MW-30-SO	MW-31-DO	MW-31-DO	MW-31-SO	MW-31-SO	MW-32-DO
			EPA SL Tap Water	Federal MCL	Field Sample ID	GWRFI-14-MW-29-DO	GWRFI-14-MW-29-DO-Z	GWRFI-14-MW-30-SO	GWRFI-14-MW-30-SO-Z	GWRFI-14-MW-31-DO	GWRFI-14-MW-31-DO-Z	GWRFI-14-MW-31-SO	GWRFI-14-MW-31-SO-Z	GWRFI-14-MW-32-DO
					Date Sampled	11/17/2014	11/17/2014	11/20/2014	11/20/2014	12/10/2014	12/10/2014	12/10/2014	12/10/2014	11/17/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics														
Antimony	N	UG/L	0.78	6		<0.33 UJ		<0.33		<0.33		12.7		<0.33 UJ
Antimony	Y	UG/L	0.78	6			<0.33 UJ		<0.33		<0.33		<0.33	
Arsenic	N	UG/L	0.052	10		**0.87 J**		<0.82		**0.90 J**		256		**1.1 J**
Arsenic	Y	UG/L	0.052	10			<0.82		<0.82		<0.82		15.8	
Barium	N	UG/L	380	2000		**197**		**70.5**		2920		35200		**79.5**
Barium	Y	UG/L	380	2000			**194**		**48.2**		2920		384	
Beryllium	N	UG/L	2.5	4		<0.67		<0.67		<0.67		<3.4		<0.67
Beryllium	Y	UG/L	2.5	4			<0.67		<0.67		<0.67		<0.67	
Cadmium	N	UG/L	0.92	5		<0.33		**0.53 J**		<0.33		<8.3		<0.33
Cadmium	Y	UG/L	0.92	5			<0.33		<0.33		<0.33		<0.33	
Chromium	N	UG/L	2200	100		**1.8 J**		**3.2 J**		**2.1 J**		477		**4.5 J**
Chromium	Y	UG/L	2200	100			**2.1 J**		<1.3		<1.3		**7.0 J**	
Cobalt	N	UG/L	0.6			<1.0		8.1		<1.0		32.7		121
Cobalt	Y	UG/L	0.6				<1.0		**3.4 J**		<1.0		<1.0	
Copper	N	UG/L	80	1300		<2.8		**4.8 J**		**9.5 J**		2950		**3.8 J**
Copper	Y	UG/L	80	1300			<2.8		**2.9 J**		**3.2 J**		<2.8	
Lead	N	UG/L	15	15		**0.34 J**		<0.082		**2.4**		241		**1.6**
Lead	Y	UG/L	15	15			<0.082		<0.082		<0.082		<0.082	
Mercury	N	UG/L	0.063	2		<0.060		<0.060		<0.060		0.92 J		<0.060
Mercury	Y	UG/L	0.063	2			<0.060		<0.060		<0.060		<0.060	
Nickel	N	UG/L	39			<1.6		49.7		<1.6		2170		53.1
Nickel	Y	UG/L	39				<1.6		**6.8 J**		<1.6		**6.0 J**	
Selenium	N	UG/L	10	50		<0.50		<0.50		**0.70 J**		21.5		<0.50
Selenium	Y	UG/L	10	50			<0.50		<0.50		**0.62 J**		**3.5**	
Silver	N	UG/L	9.4			<1.8		<1.8		**2.1 J**		121		**2.5 J**
Silver	Y	UG/L	9.4				<1.8		<1.8		**2.3 J**		<1.8	
Thallium	N	UG/L	0.02	2		<0.15		<0.15		<0.15		1.4 J		<0.15
Thallium	Y	UG/L	0.02	2			<0.15		<0.15		<0.15		<0.15	
Tin	N	UG/L	1200			**2.5 J**		<2.4		<2.4		98.5 J		<2.4
Tin	Y	UG/L	1200				<2.4		<2.4		<2.4		<2.4	
Vanadium	N	UG/L	8.6			<1.9		<1.9		<1.9		173		**2.0 J**
Vanadium	Y	UG/L	8.6				<1.9		<1.9		<1.9		**3.7 J**	
Zinc	N	UG/L	600			**56.9**		**75.2**		**31.5**		1190		**105**
Zinc	Y	UG/L	600				**34.9**		**57.7**		**26.1**		<2.0	

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Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-32-DO	MW-35-DO	MW-35-DO	MW-36-SO	MW-36-SO	MW-39-SO	MW-39-SO	MW-70-SO	MW-70-SO
			EPA SL Tap Water	Federal MCL	Field Sample ID	GWRFI-14-MW-32-DO-Z	GWRFI-14-MW-35-DO	GWRFI-14-MW-35-DO-Z	GWRFI-14-MW-36-SO	GWRFI-14-MW-36-SO-Z	GWRFI-14-MW-39-SO	GWRFI-14-MW-39-SO-Z	GWRFI-14-MW-70-SO	GWRFI-14-MW-70-SO-Z
					Date Sampled	11/17/2014	11/13/2014	11/13/2014	12/10/2014	12/10/2014	12/04/2014	12/04/2014	11/19/2014	11/19/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics														
Antimony	N	UG/L	0.78	6			<0.33		**3.2**		**2.7**		<0.33	
Antimony	Y	UG/L	0.78	6		<0.33 UJ		<0.33		**2.1 B**		**2.2**		<0.33
Arsenic	N	UG/L	0.052	10			**1.2 J**		**4.4 L**		**2**		**1.0 J**	
Arsenic	Y	UG/L	0.052	10		<0.82		<0.82		**1.0 B**		<0.82		**1.3 J**
Barium	N	UG/L	380	2000			**291**		**126**		**58.6**		**98**	
Barium	Y	UG/L	380	2000		**70.4**		**295**		**110**		**48.9**		**97**
Beryllium	N	UG/L	2.5	4			<0.67		<0.67		<0.67		<0.67	
Beryllium	Y	UG/L	2.5	4		<0.67		<0.67		<0.67		<0.67		<0.67
Cadmium	N	UG/L	0.92	5			**0.43 J**		<0.33		<0.33		<0.33	
Cadmium	Y	UG/L	0.92	5		<0.33		**0.52 J**		<0.33		<0.33		<0.33
Chromium	N	UG/L	2200	100			<1.3		**13.6 J**		**11.0 J**		**25.2**	
Chromium	Y	UG/L	2200	100		**3.2 J**		<1.3		<1.3		**8.1 J**		**2.9 J**
Cobalt	N	UG/L	0.6				**26.8**		<1.0		<1.0		<1.0	
Cobalt	Y	UG/L	0.6			**129**		**27.6**		<1.0		<1.0		<1.0
Copper	N	UG/L	80	1300			**3.5 J**		**8.7 J**		**5.1 J**		**26.1**	
Copper	Y	UG/L	80	1300		<2.8		<2.8		<2.8		<2.8		<2.8
Lead	N	UG/L	15	15			**1.5 J**		**1.8**		**1.3**		**2.2**	
Lead	Y	UG/L	15	15		<0.082		**0.18 J**		<0.082		<0.082		<0.082
Mercury	N	UG/L	0.063	2			<0.060		<0.060		<0.060		**0.2**	
Mercury	Y	UG/L	0.063	2		<0.060		<0.060		<0.060		<0.060		<0.060
Nickel	N	UG/L	39				**13.9**		<1.6		**1.7 J**		<1.6	
Nickel	Y	UG/L	39			**55.2**		**15**		<1.6		<1.6		<1.6
Selenium	N	UG/L	10	50			<0.50		<0.50		**2.2**		<0.50	
Selenium	Y	UG/L	10	50		<0.50		<0.50		<0.50		**2**		<0.50
Silver	N	UG/L	9.4				<1.8		<1.8		<1.8		<1.8	
Silver	Y	UG/L	9.4			<1.8		<1.8		<1.8		<1.8		<1.8
Thallium	N	UG/L	0.02	2			<0.15		<0.15		<0.15		<0.15	
Thallium	Y	UG/L	0.02	2		<0.15		<0.15		<0.15		<0.15		<0.15
Tin	N	UG/L	1200				**2.8 J**		<2.4		<2.4		<2.4	
Tin	Y	UG/L	1200			<2.4		<2.4		<2.4		<2.4		<2.4
Vanadium	N	UG/L	8.6				<1.9		<1.9		**2.2 J**		**2.5 J**	
Vanadium	Y	UG/L	8.6			<1.9		<1.9		<1.9		<1.9		<1.9
Zinc	N	UG/L	600				**88.1**		**31.6**		**20.8**		**21.4 B**	
Zinc	Y	UG/L	600			**41.4**		**87.1**		**10.4 J**		**6.7 J**		**11.5 B**

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Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-72-SO	MW-72-SO	MW-72-SO	MW-72-SO	MW-73-SO	MW-73-SO	MW-75-SO	MW-75-SO	MW-76-SO
					Field Sample ID	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D	GWRFI-14-MW-72-SO-Z	GWRFI-14-MW-72-SO-Z-D	GWRFI-14-MW-73-SO	GWRFI-14-MW-73-SO-Z	GWRFI-14-MW-75-SO	GWRFI-14-MW-75-SO-Z	GWRFI-14-MW-76-SO
					Date Sampled	11/21/2014	11/21/2014	11/21/2014	11/21/2014	12/03/2014	12/03/2014	12/03/2014	12/03/2014	12/10/2014
			EPA SL Tap Water	Federal MCL	Sample Purpose	FS	DUP	FS	DUP	FS	FS	FS	FS	FS
Inorganics														
Antimony	N	UG/L	0.78	6		**10.2**	**10.3**			<0.33		<0.33		<0.33
Antimony	Y	UG/L	0.78	6				**8.4**	**7.8**		<0.33		<0.33	
Arsenic	N	UG/L	0.052	10		**1.7 J**	**1.5 J**			**13.8**		**56.9**		**4.4 L**
Arsenic	Y	UG/L	0.052	10				<0.82	**1.1 J**		**11.3**		**50.4**	
Barium	N	UG/L	380	2000		**82.3**	**84.5**			**425**		**103**		**782**
Barium	Y	UG/L	380	2000				**79.5**	**90.8**		**402**		**78.3**	
Beryllium	N	UG/L	2.5	4		<0.67	<0.67			<0.67		<0.67		<0.67
Beryllium	Y	UG/L	2.5	4				<0.67	<0.67		<0.67		<0.67	
Cadmium	N	UG/L	0.92	5		**0.47 J**	**0.40 J**			<0.33		<0.33		<0.33
Cadmium	Y	UG/L	0.92	5				<0.33	<0.33		<0.33		<0.33	
Chromium	N	UG/L	2200	100		**1.5 J**	<1.3			**3.3 J**		**1.8 J**		**2.0 B**
Chromium	Y	UG/L	2200	100				<1.3	<1.3		**1.6 J**		**2.0 J**	
Cobalt	N	UG/L	0.6			**3.3 J**	**3.4 J**			<1.0		<1.0		<1.0
Cobalt	Y	UG/L	0.6					**3.8 J**	**5.0 J**		<1.0		<1.0	
Copper	N	UG/L	80	1300		<2.8	<2.8			**7.5 J**		<2.8		<2.8
Copper	Y	UG/L	80	1300				<2.8	<2.8		<2.8		<2.8	
Lead	N	UG/L	15	15		**0.25 J**	**0.15 J**			**1**		**0.19 J**		**0.30 J**
Lead	Y	UG/L	15	15				<0.082	<0.082		<0.082		<0.082	
Mercury	N	UG/L	0.063	2		<0.060	<0.060			<0.060		<0.060		<0.060
Mercury	Y	UG/L	0.063	2				<0.060	<0.060		<0.060		<0.060	
Nickel	N	UG/L	39			**25.6 J**	**26.6 J**			<1.6		<1.6		<1.6
Nickel	Y	UG/L	39					**29.1 J**	**29.7 J**		<1.6		<1.6	
Selenium	N	UG/L	10	50		**2.1**	**1.7 J**			<0.50		<0.50		**1.4 J**
Selenium	Y	UG/L	10	50				**0.96 J**	**1.2 J**		<0.50		<0.50	
Silver	N	UG/L	9.4			<1.8	<1.8			<1.8		<1.8		<1.8
Silver	Y	UG/L	9.4					<1.8	<1.8		<1.8		<1.8	
Thallium	N	UG/L	0.02	2		**0.24 J**	**0.22 J**			<0.15		<0.15		<0.15
Thallium	Y	UG/L	0.02	2				**0.23 J**	**0.20 J**		<0.15		<0.15	
Tin	N	UG/L	1200			<2.4	<2.4			<2.4		<2.4		<2.4
Tin	Y	UG/L	1200					<2.4	<2.4		<2.4		<2.4	
Vanadium	N	UG/L	8.6			<1.9	<1.9			<1.9		<1.9		<1.9
Vanadium	Y	UG/L	8.6					<1.9	<1.9		<1.9		<1.9	
Zinc	N	UG/L	600			**58.5**	**60.5**			**18.7 J**		**9.2 J**		**4.5 J**
Zinc	Y	UG/L	600					**59.9**	**66.2**		**7.3 J**		**4.2 J**	

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			EPA SL Tap Water	Federal MCL	Field Sample ID	GWRFI-14-MW-76-SO-Z	GWRFI-14-MW-77-SO	GWRFI-14-MW-77-SO-Z	GWRFI-14-MW-85-A	GWRFI-14-MW-85-A-Z	GWRFI-14-MW-86-SO	GWRFI-14-MW-86-SO-Z	GWRFI-14-MW-87-SO	GWRFI-14-MW-87-SO-Z	GWRFI-14-MW-88
					Date Sampled	12/10/2014	12/08/2014	12/08/2014	11/20/2014	11/20/2014	11/21/2014	11/21/2014	11/21/2014	11/21/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics															
Antimony	N	UG/L	0.78	6			<0.33		<0.33		<0.33		<0.33		<0.33
Antimony	Y	UG/L	0.78	6		<0.33		<0.33		<0.33		<0.33		<0.33	
Arsenic	N	UG/L	0.052	10			**4.1**		**1.4 J**		<0.82		**4.3**		<0.82 UL
Arsenic	Y	UG/L	0.052	10		**5.0 J**		**3.3**		**1.0 J**		<0.82		**4**	
Barium	N	UG/L	380	2000			**204**		**3200**		**44.3**		**194**		**36.5**
Barium	Y	UG/L	380	2000		**802**		**189**		**1700**		**38.4**		**196**	
Beryllium	N	UG/L	2.5	4			<0.67		<0.67		<0.67		<0.67		<0.67
Beryllium	Y	UG/L	2.5	4		<0.67		<0.67		<0.67		<0.67		<0.67	
Cadmium	N	UG/L	0.92	5			**0.64 J**		<0.33		**2.2 J**		**0.65 J**		**0.79 J**
Cadmium	Y	UG/L	0.92	5		<0.33		**0.35 J**		<0.33		**0.43 J**		<0.33	
Chromium	N	UG/L	2200	100			**7.8 J**		**1.7 J**		**2.3 J**		**5.5 J**		**2.1 B**
Chromium	Y	UG/L	2200	100		**2.2 J**		**5.4 J**		<1.3		<1.3		**2.6 J**	
Cobalt	N	UG/L	0.6				**248**		<1.0		**51.7**		**11.9**		**4.2 J**
Cobalt	Y	UG/L	0.6			<1.0		**247**		<1.0		**25.2**		**11.3**	
Copper	N	UG/L	80	1300			**743**		<2.8		**15.7 J**		**19.6**		**5.9 J**
Copper	Y	UG/L	80	1300		<2.8		<2.8		<2.8		**24.5 J**		<2.8	
Lead	N	UG/L	15	15			**0.26 J**		**0.18 J**		**1.6**		**3.4**		**0.87 J**
Lead	Y	UG/L	15	15		<0.082		<0.082		**0.10 J**		<0.082		<0.082	
Mercury	N	UG/L	0.063	2			<0.060		<0.060		<0.060		<0.060		<0.060
Mercury	Y	UG/L	0.063	2		<0.060		<0.060		<0.060		<0.060		<0.060	
Nickel	N	UG/L	39				**85.4**		**3.3 J**		**43.8**		**12.4**		**4.2 J**
Nickel	Y	UG/L	39			<1.6		**79.4**		**2.2 J**		**42.3**		**11**	
Selenium	N	UG/L	10	50			**1.0 J**		<0.50		<0.50		**0.76 J**		<0.50
Selenium	Y	UG/L	10	50		**4.2 J**		**0.85 J**		<0.50		<0.50		**0.70 J**	
Silver	N	UG/L	9.4				<1.8		<1.8		<1.8		<1.8 UJ		<1.8
Silver	Y	UG/L	9.4			<1.8		<1.8		<1.8		<1.8		**3.7 J**	
Thallium	N	UG/L	0.02	2			<0.15		<0.15		<0.15		<0.15		<0.15
Thallium	Y	UG/L	0.02	2		<0.15		<0.15		<0.15		<0.15		<0.15	
Tin	N	UG/L	1200				<2.4		<2.4		<2.4		<2.4		<2.4
Tin	Y	UG/L	1200			<2.4		<2.4		<2.4		<2.4		<2.4	
Vanadium	N	UG/L	8.6				**2.4 J**		<1.9		<1.9		**2.6 J**		<1.9
Vanadium	Y	UG/L	8.6			<1.9		**2.4 J**		<1.9		<1.9		<1.9	
Zinc	N	UG/L	600				**136**		**19.8 B**		**92.9 R**		**27.5**		**19.7 J**
Zinc	Y	UG/L	600			**5.9 J**		**112**		**20.0 B**		**159. R**		**29.1**	

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.34
RFI Monitoring Wells Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte (1)	Filtered	Units	Screening Criteria (2)		Location ID	MW-88	MW-89	MW-89	MW-89	MW-89
					Field Sample ID	GWRFI-14-MW-88-Z	GWRFI-14-MW-89	GWRFI-14-MW-89-D	GWRFI-14-MW-89-Z	GWRFI-14-MW-89-Z-D
			EPA SL Tap Water	Federal MCL	Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	DUP	FS	DUP
Inorganics										
Antimony	N	UG/L	0.78	6			**0.94 B**	**0.83 B**		
Antimony	Y	UG/L	0.78	6		<0.33			**0.67 B**	**0.73 B**
Arsenic	N	UG/L	0.052	10			**1.7 J**	**2.0 L**		
Arsenic	Y	UG/L	0.052	10		<0.82 UL			<0.82 UL	<0.82 UL
Barium	N	UG/L	380	2000			**111**	**108**		
Barium	Y	UG/L	380	2000		**34.3**			**93.2**	**92.7**
Beryllium	N	UG/L	2.5	4			<0.67	<0.67		
Beryllium	Y	UG/L	2.5	4		<0.67			<0.67	<0.67
Cadmium	N	UG/L	0.92	5			<0.33	<0.33		
Cadmium	Y	UG/L	0.92	5		**0.62 J**			<0.33	<0.33
Chromium	N	UG/L	2200	100			**35.4**	**26.9**		
Chromium	Y	UG/L	2200	100		<1.3			**4.6 J**	**4.9 J**
Cobalt	N	UG/L	0.6				**2.8 J**	**2.2 J**		
Cobalt	Y	UG/L	0.6			**4.1 J**			<1.0	<1.0
Copper	N	UG/L	80	1300			**14.3**	**14**		
Copper	Y	UG/L	80	1300		**5.4 J**			<2.8	<2.8
Lead	N	UG/L	15	15			**4.1**	**4.7**		
Lead	Y	UG/L	15	15		**0.34 J**			**0.21 J**	**0.21 J**
Mercury	N	UG/L	0.063	2			<0.060	<0.060		
Mercury	Y	UG/L	0.063	2		<0.060			<0.060	<0.060
Nickel	N	UG/L	39				**19.1**	**17.4**		
Nickel	Y	UG/L	39			**2.6 J**			**5.6 J**	**5.5 J**
Selenium	N	UG/L	10	50			**1.2 J**	**1.1 J**		
Selenium	Y	UG/L	10	50		<0.50			**0.92 J**	**0.76 J**
Silver	N	UG/L	9.4				<1.8	<1.8		
Silver	Y	UG/L	9.4			<1.8			<1.8	<1.8
Thallium	N	UG/L	0.02	2			<0.15	<0.15		
Thallium	Y	UG/L	0.02	2		<0.15			<0.15	<0.15
Tin	N	UG/L	1200				<2.4	<2.4		
Tin	Y	UG/L	1200			<2.4			<2.4	<2.4
Vanadium	N	UG/L	8.6				**3.0 J**	**2.9 J**		
Vanadium	Y	UG/L	8.6			<1.9			<1.9	<1.9
Zinc	N	UG/L	600				**27.9**	**22.7**		
Zinc	Y	UG/L	600			**18.0 J**			**7.0 J**	**7.3 J**

Footnotes:
1) Hits only table. See Appendix E for complete results.
2) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Table 5.35
CMS Status of RFI SWMUs/AOCs and Areas
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

SWMU/AOC/ Area	SWMU/AOC/Area Name	No Further Action/ No Further Investigation or IRM in RCRA Permit[1]	Investigation Required as per Phase IV RFI Work Plan[2]	No Further Action Recommended and Not Carried Forward in CMS	SWMU/AOC/ Area Carried Forward in CMS					
					SWMU-related Release to Soil	SWMU-related Release to Groundwater	Non SWMU-related Release to Soil	Non SWMU-related Release to Groundwater	Historical Fill-related	Other
AOC A	Former Benzol Process portion of AOC A	IRM			X					IRM (Dual-phase Extraction System) will be evaluated in the CMS
AOC A	Former Coke Plant portion of AOC A		X	X						
AOC B	Southwest Groundwater Seep	IRM								IRM (Dual-phase Extraction System) will be evaluated in the CMS
AOC C	Raw Material and Product Loading/Unloading Areas	not listed in permit (NFA in Decision Tree Process)		X						
AOC D	Riverside Raw Material Unloading Areas	not listed in permit (NFA in Decision Tree Process)		X						
AOC E	Underground Fuel Storage Tanks		X		X	X		X		
AOC F	Formaldehyde Spill		X	X						
AOC G	Sulfuric Acid Spill		Investigation deferred in WP, but ultimately was investigated during Phase IV					X		
SWMU 1	SSS Wastewater Tank No. 1	X		X						
SWMU 2	SSS Wastewater Tank No. 4	X		X						
SWMU 3	SSS Wastewater Tank No. 5	X		X						
SWMU 4	SSS D-2 Tank	X		X						
SWMU 5	SSS BEB Heel Pot Tank	X		X						
SWMU 6	SSS Receiver Tank	X		X						
SWMU 7	SSS Methylene Chloride Still	X		X						
SWMU 8	SSS Unidentified Contents Drum Storage Areas	X		X						
SWMU 9	SSS Trench and Sump System	X		X						
SWMU 10	SSS Loading/Unloading Areas	X		X						
SWMU 11	Former SSS Container Storage Area C	X		X						
SWMU 12	Former SSS Wastewater Tank No. 3 (Tank ID No. 73)	X		X						
SWMU 13	Former SSS Wastewater Tank No. 6 (Tank ID No. 74)	X		X						
SWMU 14	Former SSS Calgon Treatment System	X		X						
SWMU 15	OSD Coal/Waste Fired Boiler #6	X		X						
SWMU 16	OSD Coal/Waste Fired Boiler #9	X		X						
SWMU 17	OSD Coal/Waste Fired Boiler #10	X		X						
SWMU 18	OSD Coal/Waste Fired Boiler #14	X		X						
SWMU 19	OSD Coal/Waste Fired Boiler #15	X		X						
SWMU 20	OSD Electrostatic Precipitator No. 2	X		X						
SWMU 21	OSD Electrostatic Precipitator No. 5	X		X						
SWMU 22	OSD Electrostatic Precipitator No. 3	X		X						
SWMU 23	OSD Fly Ash Silo and Baghouse	X		X						
SWMU 24	OSD Indoor Trench and Sump System		Investigation deferred							Investigation Deferred - will be carried in CMS for future evaluation
SWMU 25	OSD Bottom Ash Collection Tank	X		X						
SWMU 26	OSD Unloading Area	X		X						
SWMU 27	OSD Pad Tank	X		X						
SWMU 28	OSD Hazardous Waste Tank No. 1 (ID No. 4A)	X		X						
SWMU 29	OSD Hazardous Waste Tank No. 2 (ID No. 4B)	X		X						
SWMU 30	OSD Hazardous Waste Tank No. 3 (ID No. 4C)	X		X						
SWMU 31	OSD Trench and Sump System		Investigation deferred							Investigation Deferred - will be carried in CMS for future evaluation
SWMU 32	Former OSD Hazardous Waste Storage Tank (ID No. 3A)		X			X				
SWMU 33	Former OSD Hazardous Waste Storage Tank (ID No. 3B)		X			X				
SWMU 34	Former OSD Hazardous Waste Storage Tank (ID No. 3C)		X			X				
SWMU 35	Former OSD Hazardous Waste Storage Tank (ID No. 3D)		X			X				
SWMU 36	Vazo AN Hazardous Waste Tank (ID No. 24)	X		X						
SWMU 37	Vazo (new) Hazardous Waste Tank	X		X						
SWMU 38	Vazo Trench and Sump System		Investigation deferred							Investigation Deferred - will be carried in CMS for future evaluation
SWMU 39	Vazo Seal Pot	X		X						
SWMU 40	Vazo Container Storage Area M	X		X						
SWMU 41A	Vazo Loading/Unloading Areas		X	X						
SWMU 41B	Vazo/Loading/Unloading Areas	X		X						
SWMU 42	Former Vazo Hazardous Waste Tank (ID No. 25)	X		X						
SWMU 43	Former Vazo Hazardous Waste Tank (ID No. 26)	X		X						
SWMU 44	Former Vazo Container Storage Area L	X		X						
SWMU 45	Former Vazo Container Storage Area N	X		X						
SWMU 46	Ag-Mature SBU Hazardous Waste Tank	X		X						
SWMU 47	Ag-Mature SBU Mother Liquor Tank	X		X						
SWMU 48	Ag-Mature SBU Waste Loading Area		X	x						
SWMU 49	Ag-Mature SBU Container Storage Area BB	X		X						
SWMU 50	Ag-Mature SBU Wet Benlate Loading/ Unloading Area	X		X						

Table 5.35
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Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

SWMU/AOC/ Area	SWMU/AOC/Area Name	No Further Action/ No Further Investigation or IRM in RCRA Permit[1]	Investigation Required as per Phase IV RFI Work Plan[2]	No Further Action Recommended and Not Carried Forward in CMS	SWMU/AOC/ Area Carried Forward in CMS					
					SWMU-related Release to Soil	SWMU-related Release to Groundwater	Non SWMU-related Release to Soil	Non SWMU-related Release to Groundwater	Historical Fill-related	Other
SWMU 51	Ag-Mature SBU Wet Benlate Satellite Accumulation Area	X		X						
SWMU 52	Ag-Mature SBU Wet Benlate Satellite Accumulation Area	X		X						
SWMU 53	Ag-Mature SBU Wet Benlate Trench and Sump System		X	X						
SWMU 54	Ag-Mature SBU Brine Treatment System-Former Raw		X				X		X	
SWMU 55	Ag-Mature SBU Brine Treatment System-Waste	X		X						
SWMU 56	Ag-Mature SBU Brine Treatment System-Former Carbon Adsorption Unit	X		X						
SWMU 57	Ag-Mature SBU Brine Treatment System-Former Transfer Vessel	X		X						
SWMU 58	Ag-Mature SBU Brine Treatment System-Ammonia Stripper		X		X	X				
SWMU 59	Ag-Mature SBU Brine Treatment System-Ag-Mature Benlate Hazardous Waste Tank	X		X						
SWMU 60	Ag-Mature SBU Brine Treatment System-Current Benlate Raw Waste Brine Storage Tank	X		X						
SWMU 61	Ag-Mature SBU Brine Treatment System-Former Treated Brine Storage Tank	X		X						
SWMU 62	Ag-Mature SBU Brine Treatment System-Former Ammonia Tails Storage Tank	X		X						
SWMU 63	Former Ag-Mature SBU Container Storage Area GG	X		X						
SWMU 64	Former MDA Tar Storage Tank (see Former MDA Area)		X			X			X	
SWMU 65	Former MDA Unloading/Loading Area	X		X						
SWMU 66	Former MDA Tank Wagon Unloading Vent Scrubber	X		X						
SWMU 67	Former MDA Trench and Sump System (see Former MDA Area)		X			X			X	
SWMU 68	Former MDA Brine Filtration Units	X		X						
SWMU 69	Former MDA Methanol Storage Tank	X		X						
SWMU 71	Former MDA No. 6 Aniline Tank	X		X						
SWMU 72	Former MDA Deep Well Storage Tank		X						X	
SWMU 73	Former PACM Heel Tank No. 1		X	X						
SWMU 74	Former PACM Heel Tank No. 2		X	X						
SWMU 75	Former PACM Waste Tank No. 1		X	X						
SWMU 76	Former PACM Waste Tank No. 2		X	X						
SWMU 77	Former MDA/PACM Hazardous Waste Tank	X		X						
SWMU 78	Former MDA/PACM Container Storage Area Q	X		X						
SWMU 79	Former PACM Unloading/ Loading Area		X						X	
SWMU 80	PACM Area Trench and Sump System		X	X						
SWMU 81	Former C&P East DMS Area Tank (ID No. 10)	X		X						
SWMU 82	C&P East DMF Waste Tank (ID No. 47)	X		X						
SWMU 83	C&P East Drum Plant Container Storage Area T	X		X						
SWMU 84	Former C&P East Hazardous Waste Tank (ID No. 48)	X		X						
SWMU 85	Former C&P East Hazardous Waste Tank (ID No. 49)	X		X						
SWMU 86	Former C&P East Wastewater Stripper Tank	X		X						
SWMU 87	Methacrylate Oil Storage Tank (ID No. 76)	X		X						
SWMU 88	Methacrylate Oil Storage Tank (ID No. 77)	X		X						
SWMU 89	Former Methacrylate Hazardous Waste Tank (ID No. 51)	X		X						
SWMU 90	Former Methacrylate Distillation Column (ID No. 52)	X		X						
SWMU 91	Former Methacrylate Condensate Still Tank (ID No. 68)	X		X						
SWMU 92	Methacrylate Container Storage Area EE	X		X						
SWMU 93	SAR Furnace	X		X						
SWMU 94	SAR Weak Acid Sump Tank	X		X						
SWMU 95	Methacrylate Loading/Unloading Area	X		X						
SWMU 96	Methacrylate Loading/Unloading Area	X		X						
SWMU 97	Methacrylate Trench and Sump System (see SLM Area)		Investigation deferred in WP, but ultimately was investigated during Phase IV		X	X				
SWMU 98	SLM Mother Liquor Disengaging Tank	X		X						
SWMU 99	SLM Mother Liquor Tank (ID No. 60)	X		X						
SWMU 100	SLM Flammable Waste Tank (ID No. 63)	X		X						
SWMU 101	SLM Extractor Tank	X		X						
SWMU 102	SLM J Tank (ID No. 75)	X		X						
SWMU 103	SLM SP Tank (ID No. 59)	X		X						
SWMU 104	SLM Caustic Surge Tank (ID No. 61)	X		X						

Table 5.35
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Comprehensive RCRA Facility Investigation Report
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SWMU/AOC/ Area	SWMU/AOC/Area Name	No Further Action/ No Further Investigation or IRM in RCRA Permit[1]	Investigation Required as per Phase IV RFI Work Plan[2]	No Further Action Recommended and Not Carried Forward in CMS	SWMU/AOC/ Area Carried Forward in CMS					
					SWMU-related Release to Soil	SWMU-related Release to Groundwater	Non SWMU-related Release to Soil	Non SWMU-related Release to Groundwater	Historical Fill-related	Other
SWMU 105	SLM Indoor Trench and Sump System (see SLM Area)		Investigation deferred in WP, but ultimately was investigated during Phase IV		X	X				
SWMU 106	SLM Outdoor Trench and Sump System (see SLM Area)		Investigation deferred in WP, but ultimately was investigated during Phase IV		X	X				
SWMU 107	SLM Drum Wash Pad	X		X						
SWMU 108	SLM Unloading/Loading Area	X		X						
SWMU 109	SLM Satellite Accumulation Areas (see SLM Area)		X		X	X				
SWMU 110	Former SLM Container Storage Area X	X		X						
SWMU 111	Former SLM Container Storage Area Y	X		X						
SWMU 112	C&P West Glycol Hazardous Storage Tank No. 10 (ID No. 55)	X		X						
SWMU 113	C&P West Glycol Hazardous Storage Tank No. 18 (ID No. 56)	X		X						
SWMU 114	C&P West Loading Pad	X		X						
SWMU 115	C&P West Trench and Sump System		X		X					
SWMU 116	Former C&P West Stripper Overhead Tank (ID No. 54A)	X		X						
SWMU 117	Former C&P West Container Storage Area V	X		X						
SWMU 118	Former C&P West Hazardous Waste Tank (ID No. 54B)	X		X						
SWMU 119	Former C&P West Hazardous Waste Tank (ID No. 54C)	X		X						
SWMU 120	HCO Oil/Water Separator	X		X						
SWMU 121	HCO Oil Storage Tank		X						X	
SWMU 122	HCO Waste Lubricating Oil Collection Sumps	IRM	X						X	
SWMU 123	Former HCO Hazardous Copper Waste Storage Tank (ID No. 6)	X		X						
SWMU 124	Former HCO Hazardous Carbon Waste Storage Tank (ID No. 6)	X		X						
SWMU 125	Former HCO Hazardous Methanol Waste Storage Tank (ID No. 8)	X		X						
SWMU 126	Former HCO Hazardous Container Storage Area I	X		X						
SWMU 127	WWTP-Main Pumping Station	X		X						
SWMU 128	WWTP-Isolation Tank No. 1	X		X						
SWMU 129	WWTP-Isolation Tank No. 2	X		X						
SWMU 130	WWTP-Isolation Tank No. 3	X		X						
SWMU 131	WWTP-Equalization Tank	X		X						
SWMU 132	WWTP-Cooling Tower and Sump	X		X						
SWMU 133	WWTP-Mix Box	X		X						
SWMU 134	WWTP-Aerator No. 1	X		X						
SWMU 135	WWTP-Aerator No. 2	X		X						
SWMU 136	WWTP-Aerator No. 3	X		X						
SWMU 137	WWTP-Aerator No. 4	X		X						
SWMU 138	WWTP-Aerator No. 5	X		X						
SWMU 139	WWTP-Clarifier No. 1	X		X						
SWMU 140	WWTP-Clarifier No. 2	X		X						
SWMU 141	WWTP-Clarifier No. 3	X		X						
SWMU 142	WWTP-Clarifier No. 4	X		X						
SWMU 143	WWTP-Clarifier No. 5	X		X						
SWMU 144	WWTP-Sludge Storage Tank	X		X						
SWMU 145	WCS Facility Sewer Lines	IRM[3]	Investigation Deferred	IRM[3] proposed as Final		potential				Wastewater Collection System Impacts will be evaluated in the CMS as part of Site-wide Groundwater
SWMU 146	WCS Pumping Station	IRM[3]	Investigation Deferred	IRM[3] proposed as Final		potential				Wastewater Collection System will be evaluated in the CMS as part of Site-wide Groundwater
SWMU 147	WCS Pumping Station	IRM[3]	Investigation Deferred	IRM[3] proposed as Final		potential				Wastewater Collection System will be evaluated in the CMS as part of Site-wide Groundwater
SWMU 148	WCS Pumping Station (#4)	IRM[3]	X	IRM[3] proposed as Final			X	X		
SWMU 149	WCS Pumping Station (see SLM Area)	IRM[3]	Investigation deferred in WP, but ultimately was investigated during Phase IV	IRM[3] proposed as Final	X	X				
SWMU 150	WCS #11 Pumping Station	IRM[3]	X	IRM[3] proposed as Final		X				
SWMU 151	WCS Pumping Station	IRM[3]	X	IRM[3] proposed as Final		potential				Wastewater Collection System will be evaluated in the CMS as part of Site-wide Groundwater
SWMU 152	WCS Pumping Station	IRM[3]	Investigation Deferred	IRM[3] proposed as Final		potential				Wastewater Collection System will be evaluated in the CMS as part of Site-wide Groundwater
SWMU 153	WCS Pumping Station	IRM[3]	X	IRM[3] proposed as Final		X				

Table 5.35
CMS Status of RFI SWMUs/AOCs and Areas
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

SWMU/AOC/ Area	SWMU/AOC/Area Name	No Further Action/ No Further Investigation or IRM in RCRA Permit[1]	Investigation Required as per Phase IV RFI Work Plan[2]	No Further Action Recommended and Not Carried Forward in CMS	SWMU/AOC/ Area Carried Forward in CMS					
					SWMU-related Release to Soil	SWMU-related Release to Groundwater	Non SWMU-related Release to Soil	Non SWMU-related Release to Groundwater	Historical Fill-related	Other
SWMU 154	WCS Pumping Station	IRM[3]	Investigation Deferred	IRM[3] proposed as Final	X	potential			X	Wastewater Collection System will be evaluated in the CMS as part of Site-wide Groundwater
SWMU 155	WCS Pumping Station	IRM[3]	X	IRM[3] proposed as Final		potential				Wastewater Collection System will be evaluated in the CMS as part of Site-wide Groundwater
SWMU 156	WCS Pumping Station	X/IRM[3]		X/IRM[3] proposed as Final						
SWMU 157	WCS Pumping Station	IRM[3]	Investigation Deferred	IRM[3] proposed as Final		potential				Wastewater Collection System will be evaluated in the CMS as part of Site-wide Groundwater
SWMU 158	WCS Pumping Station	IRM[3]	X	IRM[3] proposed as Final		X				
SWMU 160	WCS - North Flume		X	X						
SWMU 161	WCS - South Flume		X	X						
SWMU 174	Consolidated Waste Drum Storage Area	X		X						
SWMU 175	Former Container Storage Area O	X		X						
SWMU 176	Central Shop Container Storage Area F	X		X						
SWMU 177	PCB Storage Area	X		X						
SWMU 178	Former PCB Storage	X		X						
SWMU 179	Former Paint Shop Container Storage Area H	X		X						
SWMU 180	Auto Shop Steam Cleaning Pad	X		X						
SWMU 181	Nonhazardous Waste Storage Area	X		X						
SWMU 183	Former Injection Well No. 2	X/IRM		IRM proposed as Final						
SWMU 184	Former Injection Well No. 3	X/IRM		IRM proposed as Final						
SWMU 185	Tank Wagons	X		X						
SWMU 186	Asbestos Dumpsters	X		X						
SWMU 187	F&G Sump Tank	X		X						
SWMU 188	F&G Wastewater Storage Tank	X		X						
SWMU 189	Hexazinone Waste Brine Railcars		X	X						
SWMU 190	ACN Spill Tank		X	X						
SWMU 191	Inactive Disposal Area 8		X		X	X				
SWMU 192	Inactive Disposal Area 9		X		X					
Former MDA Area	Former Methylene Dianaline Area (see SWMUs 64 and 67)		(Proposed following Phase II RFI)			X			X	
Former SSS Process Area	Former SSS Process Area with Dual-phase Extraction System IRM	IRM				X				IRM (Dual-phase Extraction System) will be evaluated in the CMS
SLM Area	Small Lots Manufacturing Area (see SWMUs 97, 105, 106, 109, and 149)		(Proposed following Phase II RFI)		X	X				

Footnotes:
1 - No Further Action/No Further Investigation as agreed upon with EPA with the Phase IV Work Plan approval on date, 2012, and as designated in the RCRA Operating Permit WV005012851 effective March 6, 2014 through March 5, 2024. in addition, this column includes SWMUs/AOC assocaited with IRMs identified in the permit.
2 - Some SWMUs/AOCs included in the Work Plan as Investigation Deferred were ultimately investigated during the Phase IV RFI.
3 - Process Sewer Upgrade completed as an IRM and the IRM is proposed as Final.

Table 6.1
Identification of Constituents of Potential Concern in Surface Soil
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detected Value	Maximum Detected Value	Location Of Maximum Result	EPA SL Ind Soil[2]	Historic Fill 95%UTL[3]
Volatile Organic Compounds									
1,1,1-Trichloroethane	71-55-6	MG/KG	28	3	2.00E-03	5.00E-03	AOCE-1 0.5-1 Feet	3.60E+03	
1,2-Dichlorobenzene	95-50-1	MG/KG	27	1	2.20E-02	2.20E-02	SWMU53-1 0.5-1 Feet	9.30E+02	
1,4-Dichlorobenzene	106-46-7	MG/KG	27	1	2.00E-03	2.00E-03	SWMU192-7 0.5-1 Feet	1.10E+01	
2-Hexanone	591-78-6	MG/KG	27	1	5.00E-03	5.00E-03	SWMU189-1 0.5-1 FEET	1.30E+02	
Acetone	67-64-1	MG/KG	28	23	7.00E-03	1.90E-01	SWMU189-1 0.5-1 FEET	6.70E+04	
Benzene	71-43-2	MG/KG	28	16	7.00E-04	2.50E-01	SWMU192-13 0.5-1 Feet	5.10E+00	
Carbon Disulfide	75-15-0	MG/KG	27	18	2.00E-03	2.50E-02	SWMU151-1 0.5-1 Feet	3.50E+02	
Carbon Tetrachloride	56-23-5	MG/KG	28	3	4.00E-03	1.20E-01	SWMU192-3 0.5-1 Feet	2.90E+00	
Chloroform	67-66-3	MG/KG	28	8	1.00E-03	3.40E-02	SWMU192-3 0.5-1 Feet	1.40E+00	
Ethylbenzene	100-41-4	MG/KG	28	1	1.00E-03	1.00E-03	SWMU192-2 0.5-1 Feet	2.50E+01	
Formaldehyde	50-00-0	MG/KG	14	7	1.30E+00	3.30E+01	SWMU192-5 0.5-1 Feet	7.30E+01	
Methyl Ethyl Ketone	78-93-3	MG/KG	28	7	4.00E-03	4.20E-02	SWMU189-1 0.5-1 FEET	1.90E+04	
Methyl Methacrylate	80-62-6	MG/KG	27	3	4.00E-03	2.20E-01	SWMU192-11 0.5-1 Feet	1.90E+03	
Methylene Chloride	75-09-2	MG/KG	28	1	5.00E-03	5.00E-03	SWMU53-1 0.5-1 Feet	3.20E+02	
Tetrachloroethene	127-18-4	MG/KG	28	3	1.00E-03	3.00E-03	SWMU192-8 0.5-1 Feet	3.90E+01	
Toluene	108-88-3	MG/KG	28	13	2.00E-03	1.30E-02	SWMU192-11 0.5-1 Feet	4.70E+03	
Trichloroethene	79-01-6	MG/KG	28	1	2.40E-02	2.40E-02	SWMU151-1 0.5-1 Feet	1.90E+00	
Xylenes	1330-20-7	MG/KG	28	7	1.00E-03	2.00E-03	MDA-HP-4 1-3 Feet	2.80E+02	
Semivolatile Organic Compounds									
1-Methylnaphthalene	90-12-0	MG/KG	18	17	2.30E-02	4.20E+00	AOCE-1-1 0.5-1 FEET	7.30E+01	3.50E-01
2-Methylnaphthalene	91-57-6	MG/KG	46	43	1.20E-02	5.30E+00	AOCE-1-1 0.5-1 FEET	3.00E+02	4.70E-01
Acenaphthene	83-32-9	MG/KG	46	21	4.00E-03	1.50E+00	SWMU54-2-2 0.5-1 FEET	4.50E+03	3.40E-02
Acenaphthylene	208-96-8	MG/KG	46	38	4.00E-03	7.80E+01	SWMU54-2-2 0.5-1 FEET	4.50E+03	3.10E-01
Acetophenone	98-86-2	MG/KG	28	6	3.20E-02	6.00E-01	SWMU192-13 0.5-1 Feet	1.20E+04	
Anthracene	120-12-7	MG/KG	46	40	6.00E-03	1.10E+02	SWMU54-2-2 0.5-1 FEET	2.30E+04	4.40E-01
Benzo(A)Anthracene	56-55-3	MG/KG	46	45	5.00E-03	3.00E+02	SWMU54-2-2 0.5-1 FEET	2.90E+00	8.90E-01
Benzo(B)Fluoranthene	205-99-2	MG/KG	46	46	8.00E-03	2.90E+02	SWMU54-2-2 0.5-1 FEET	2.90E+00	1.60E+00
Benzo(G,H,I)Perylene	191-24-2	MG/KG	46	46	8.00E-03	1.60E+02	SWMU54-2-2 0.5-1 FEET	2.30E+03	6.10E-01
Benzo(K)Fluoranthene	207-08-9	MG/KG	46	42	6.00E-03	1.40E+02	SWMU54-2-2 0.5-1 FEET	2.90E+01	6.40E-01
Benzo[A]Pyrene	50-32-8	MG/KG	46	44	5.00E-03	2.50E+02	SWMU54-2-2 0.5-1 FEET	2.90E-01	6.90E-01
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	28	1	3.70E-01	3.70E-01	SWMU192-6 0.5-1 Feet	1.60E+02	
Butyl Benzyl Phthalate	85-68-7	MG/KG	28	1	7.90E-01	7.90E-01	SWMU192-6 0.5-1 Feet	1.20E+03	
Chrysene	218-01-9	MG/KG	46	45	9.00E-03	2.60E+02	SWMU54-2-2 0.5-1 FEET	2.90E+02	1.50E+00
Dibenz(A,H)Anthracene	53-70-3	MG/KG	46	40	4.00E-03	4.50E+01	SWMU54-2-2 0.5-1 FEET	2.90E-01	2.00E-01
Dibenzofuran	132-64-9	MG/KG	28	18	1.80E-02	3.60E-01	SWMU191-2 0.5-1 Feet	1.00E+02	
Di-N-Butyl Phthalate	84-74-2	MG/KG	28	1	1.00E-01	1.00E-01	SWMU192-6 0.5-1 Feet	8.20E+03	
Fluoranthene	206-44-0	MG/KG	46	46	1.10E-02	6.80E+02	SWMU54-2-2 0.5-1 FEET	3.00E+03	1.90E+00
Fluorene	86-73-7	MG/KG	46	30	4.00E-03	3.30E+01	SWMU54-2-2 0.5-1 FEET	3.00E+03	8.50E-02
Hexachlorobenzene	118-74-1	MG/KG	28	1	9.00E-03	9.00E-03	SWMU115-3 0.5-1 Feet	9.60E-01	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	46	43	9.00E-03	1.40E+02	SWMU54-2-2 0.5-1 FEET	2.90E+00	5.70E-01
Isodrin	465-73-6	MG/KG	27	0	0.00E+00	0.00E+00	SWMU192-7 0.5-1 Feet		
Naphthalene	91-20-3	MG/KG	46	44	2.10E-02	1.10E+01	SWMU54-2-2 0.5-1 FEET	1.70E+01	1.20E+00
Pentachlorophenol	87-86-5	MG/KG	28	1	2.20E-01	2.20E-01	SWMU58-2 0.5-1 Feet	4.00E+00	
Phenanthrene	85-01-8	MG/KG	46	46	2.30E-02	3.30E+02	SWMU54-2-2 0.5-1 FEET	2.30E+04	8.70E-01
Pronamide	23950-58-5	MG/KG	27	0	0.00E+00	0.00E+00	SWMU192-7 0.5-1 Feet	6.20E+03	
Pyrene	129-00-0	MG/KG	46	46	1.10E-02	5.50E+02	SWMU54-2-2 0.5-1 FEET	2.30E+03	1.50E+00
2,4-Dichlorophenoxyacetic Acid	94-75-7	MG/KG	1	1	2.10E-02	2.10E-02	SWMU53-1 0.5-1 Feet	9.60E+02	
Dioxin/Furans									

Table 6.1
Identification of Constituents of Potential Concern in Surface Soil
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detected Value	Maximum Detected Value	Location Of Maximum Result	EPA SL Ind Soil[2]	Historic Fill 95%UTL[3]
TEQ of 2,3,7,8-TCDD	(4)	NG/KG	19	19	3.95E-01	3.62E+02	SWMU192-2-1 0.5-1 Feet	2.20E+01	8.09E-01
Inorganics									
Antimony	7440-36-0	MG/KG	27	27	9.57E-02	1.06E+01	SWMU191-2 0.5-1 Feet	4.70E+01	1.43E+00
Arsenic	7440-38-2	MG/KG	37	37	2.62E+00	5.45E+01	SWMU72-1 0.5-1 Feet	3.00E+00	2.20E+01
Barium	7440-39-3	MG/KG	28	28	4.54E+01	1.13E+04	SWMU151-1 0.5-1 Feet	2.20E+04	2.62E+02
Beryllium	7440-41-7	MG/KG	27	27	9.60E-02	7.78E+00	SWMU151-1 0.5-1 Feet	2.30E+02	2.23E+00
Cadmium	7440-43-9	MG/KG	28	19	4.34E-02	3.16E+00	SWMU189-1 0.5-1 FEET	9.80E+01	1.37E+00
Chromium	7440-47-3	MG/KG	28	28	2.83E+00	2.27E+02	SWMU72-1 0.5-1 Feet	1.80E+05	4.40E+01
Cobalt	7440-48-4	MG/KG	27	27	8.07E-01	2.91E+01	SWMU72-1 0.5-1 Feet	3.50E+01	2.23E+01
Copper	7440-50-8	MG/KG	27	27	1.45E+01	3.88E+03	SWMU192-12 0.5-1 Feet	4.70E+03	8.86E+01
Lead	7439-92-1	MG/KG	28	28	6.58E+00	3.35E+02	SWMU192-5 0.5-1 Feet	8.00E+02	1.06E+02
Mercury	7439-97-6	MG/KG	28	28	4.27E-02	7.80E+01	MDA-HP-4 1-3 Feet	4.00E+00	4.14E+00
Nickel	7440-02-0	MG/KG	27	27	2.41E+00	5.52E+01	SWMU72-1 0.5-1 Feet	2.20E+03	2.59E+01
Selenium	7782-49-2	MG/KG	28	28	1.32E-01	2.97E+00	AOCE-1 0.5-1 Feet	5.80E+02	2.19E+00
Silver	7440-22-4	MG/KG	28	17	2.09E-01	8.55E+00	SWMU191-2 0.5-1 Feet	5.80E+02	-
Thallium	7440-28-0	MG/KG	27	27	8.30E-02	4.91E-01	SWMU192-3 0.5-1 Feet	1.20E+00	4.09E-01
Tin	7440-31-5	MG/KG	27	27	2.03E+00	1.30E+01	SWMU189-1 0.5-1 FEET	7.00E+04	0.00E+00
Vanadium	7440-62-2	MG/KG	27	27	3.57E+00	3.21E+01	SWMU72-1 0.5-1 Feet	5.80E+02	6.74E+01
Zinc	7440-66-6	MG/KG	27	27	7.73E+00	8.21E+02	SWMU192-5 0.5-1 Feet	3.50E+04	1.33E+02
Miscellaneous									
Ammonia	7664-41-7	MG/KG	2	1	9.47E+01	9.47E+01	SWMU58-2 0.5-1 Feet		

1- Detected constituents in surface soil (0-1'). Field duplicates included in summary statistics.
2 - EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
3 - Site-specific historic fill concentration summarized in Table 5.4
4- Total TEQ of dioxin/furans calculated in indivdiual SWMU/AOC tables.

Indicates an exceedance of the screening level.

Table 6.2
Identification of Constituents of Potential Concern in Subsurface Soil
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detected Value	Maximum Detected Value	Location Of Maximum Result	EPA SL Ind Soil[2]	Historic Fill 95%UTL[3]
Volatile Organic Compounds									
1,2-Dichlorobenzene	95-50-1	MG/KG	55	2	2.30E-02	8.00E-02	SWMU192-10 14-15 Feet	9.30E+02	
Acetone	67-64-1	MG/KG	60	37	7.00E-03	1.50E-01	SWMU192-10 14-15 Feet	6.70E+04	
Benzene	71-43-2	MG/KG	60	26	8.00E-04	5.90E-01	SLM-HP-1 12-14 Feet	5.10E+00	
Carbon Disulfide	75-15-0	MG/KG	55	27	1.00E-03	1.10E-02	SWMU-48-2 3-4 Feet	3.50E+02	
Carbon Tetrachloride	56-23-5	MG/KG	60	1	6.00E-03	6.00E-03	SWMU192-4 3-4 Feet	2.90E+00	
Chlorobenzene	108-90-7	MG/KG	60	6	2.30E-02	2.10E+00	SLM-HP-1 12-14 Feet	1.30E+02	
Chloroform	67-66-3	MG/KG	60	4	2.00E-03	5.30E-02	SWMU-48-2 3-4 Feet	1.40E+00	
Ethylbenzene	100-41-4	MG/KG	60	5	4.00E-03	1.30E-01	AOCE-1 7-8 Feet	2.50E+01	
Formaldehyde	50-00-0	MG/KG	18	16	2.20E+00	8.40E+01	SWMU192-12 9-10 Feet	7.30E+01	
Methyl Ethyl Ketone	78-93-3	MG/KG	60	13	4.00E-03	1.70E-01	HP-4 7.5-9 Feet	1.90E+04	
Methyl Isobutyl Ketone	108-10-1	MG/KG	55	1	9.00E-03	9.00E-03	SWMU79-1 3-4 Feet	5.60E+03	
Methyl Methacrylate	80-62-6	MG/KG	55	1	5.00E-03	5.00E-03	SWMU192-11 14-15 Feet	1.90E+03	
Methylene Chloride	75-09-2	MG/KG	60	4	3.00E-03	8.00E-03	SLM-HP-2 12-14 Feet	3.20E+02	
Styrene	100-42-5	MG/KG	55	2	3.00E-03	5.90E-02	AOCE-1 7-8 Feet	3.50E+03	
Tetrachloroethene	127-18-4	MG/KG	60	1	2.00E-03	2.00E-03	HP-70 2.5-4 Feet	3.90E+01	
Toluene	108-88-3	MG/KG	60	17	1.00E-03	3.40E-01	SWMU-48-2 8-9 Feet	4.70E+03	
Xylenes	1330-20-7	MG/KG	60	13	1.00E-03	1.30E+00	AOCE-1 7-8 Feet	2.80E+02	
Semivolatile Organic Compounds									
1-Methylnaphthalene	90-12-0	MG/KG	10	10	3.90E-02	2.50E+02	AOCE-1-1 7-8 FEET	7.30E+01	3.50E-01
2,4-Dinitrophenol	51-28-5	MG/KG	61	1	3.60E-01	3.60E-01	SWMU192-4 3-4 Feet	1.60E+02	
2-Methylnaphthalene	91-57-6	MG/KG	71	43	5.00E-03	4.70E+02	AOCE-1-1 7-8 FEET	3.00E+02	4.70E-01
2-Picoline	109-06-8	MG/KG	61	1	1.40E+00	1.40E+00	SWMU58-2 5-6 Feet	No Value	
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	61	4	6.30E-02	1.30E-01	SWMU79-1 3-4 Feet	8.20E+03	
Acenaphthene	83-32-9	MG/KG	71	21	4.00E-03	6.90E+01	AOCE-1-1 7-8 FEET	4.50E+03	3.40E-02
Acenaphthylene	208-96-8	MG/KG	71	23	5.00E-03	2.30E+02	AOCE-1-1 7-8 FEET	4.50E+03	3.10E-01
Acetophenone	98-86-2	MG/KG	61	4	2.20E-02	2.40E-01	SWMU54-2 3-4 Feet	1.20E+04	
Aniline	62-53-3	MG/KG	61	1	3.50E-01	3.50E-01	MDA-HP-4 1-3 Feet	4.00E+02	
Anthracene	120-12-7	MG/KG	71	31	4.00E-03	2.80E+02	AOCE-1-1 7-8 FEET	2.30E+04	4.40E-01
Benzo(A)Anthracene	56-55-3	MG/KG	71	36	5.00E-03	2.20E+02	AOCE-1-1 7-8 FEET	2.90E+00	8.90E-01
Benzo(B)Fluoranthene	205-99-2	MG/KG	71	42	5.00E-03	1.70E+02	AOCE-1-1 7-8 FEET	2.90E+00	1.60E+00
Benzo(G,H,I)Perylene	191-24-2	MG/KG	71	36	6.00E-03	7.20E+01	AOCE-1-1 7-8 FEET	2.30E+03	6.10E-01
Benzo(K)Fluoranthene	207-08-9	MG/KG	71	31	5.00E-03	8.10E+01	AOCE-1-1 7-8 FEET	2.90E+01	6.40E-01
Benzo[A]Pyrene	50-32-8	MG/KG	71	36	6.00E-03	1.70E+02	AOCE-1-1 7-8 FEET	2.90E-01	6.90E-01
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	61	1	1.80E-01	1.80E-01	SWMU32-35-2 5-7 FEET	1.60E+02	
Carbazole	86-74-8	MG/KG	5	1	5.80E-02	5.80E-02	MDA-HP-4 1-3 Feet	No Value	
Chrysene	218-01-9	MG/KG	71	44	5.00E-03	1.80E+02	AOCE-1-1 7-8 FEET	2.90E+02	1.50E+00

Table 6.2
Identification of Constituents of Potential Concern in Subsurface Soil
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detected Value	Maximum Detected Value	Location Of Maximum Result	EPA SL Ind Soil[2]	Historic Fill 95%UTL[3]
Dibenz(A,H)Anthracene	53-70-3	MG/KG	71	20	4.00E-03	2.50E+01	AOCE-1-1 7-8 FEET	2.90E-01	2.00E-01
Dibenzofuran	132-64-9	MG/KG	61	10	2.20E-02	9.60E+00	SWMU54-2 3-4 Feet	1.00E+02	
Fluoranthene	206-44-0	MG/KG	71	43	4.00E-03	4.60E+02	AOCE-1-1 7-8 FEET	3.00E+03	1.90E+00
Fluorene	86-73-7	MG/KG	71	33	4.00E-03	3.20E+02	AOCE-1-1 7-8 FEET	3.00E+03	8.50E-02
Hexachlorobenzene	118-74-1	MG/KG	61	2	7.00E-03	7.00E-02	SWMU41A-2 2.5-3.5 Feet	9.60E-01	
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	71	29	4.00E-03	6.40E+01	AOCE-1-1 7-8 FEET	2.90E+00	5.70E-01
Naphthalene	91-20-3	MG/KG	71	49	5.00E-03	1.60E+03	AOCE-1-1 7-8 FEET	1.70E+01	1.20E+00
N-Nitroso-Di-N-Butylamine	924-16-3	MG/KG	56	2	3.40E-01	4.20E-01	HP-4 7.5-9 Feet	4.60E-01	
N-Nitrosodiphenylamine	86-30-6	MG/KG	61	2	3.90E-02	4.70E+00	SWMU54-2 3-4 Feet	4.70E+02	
Phenanthrene	85-01-8	MG/KG	71	59	5.00E-03	9.10E+02	AOCE-1-1 7-8 FEET	2.30E+04	8.70E-01
Phenol	108-95-2	MG/KG	61	4	3.00E-02	4.70E-01	SWMU79-1 3-4 Feet	2.50E+04	
Pyrene	129-00-0	MG/KG	71	44	4.00E-03	3.80E+02	AOCE-1-1 7-8 FEET	2.30E+03	1.50E+00
4,4'-DDD	72-54-8	MG/KG	6	1	1.90E-04	1.90E-04	HP-3 4.5-6 Feet	9.60E+00	
4,4'-DDT	50-29-3	MG/KG	6	1	4.10E-04	4.10E-04	HP-3 4.5-6 Feet	8.50E+00	
Alpha-BHC	319-84-6	MG/KG	6	2	8.90E-04	1.69E-03	HP-4 7.5-9 Feet	3.60E-01	
delta-BHC	319-86-8	MG/KG	6	1	2.56E-04	2.56E-04	HP-4 7.5-9 Feet	3.60E-01	
Endosulfan I	959-98-8	MG/KG	6	1	3.01E-04	3.01E-04	HP-4 7.5-9 Feet	4.90E+02	
Endosulfan Sulfate	1031-07-8	MG/KG	6	1	5.00E-04	5.00E-04	HP-3 4.5-6 Feet	4.90E+02	
Endrin Aldehyde	7421-93-4	MG/KG	6	1	5.50E-04	5.50E-04	HP-4 7.5-9 Feet	2.50E+01	
2,4,5-T	93-76-5	MG/KG	6	2	5.80E-04	9.80E-04	HP-4 7.5-9 Feet	8.20E+02	
Dioxin/Furans									
TEQ of 2,3,7,8-TCDD	(4)	NG/KG	8	8	2.88E-01	1.48E+01	SWMU192-13 7-8 Feet	2.20E+01	8.09E-01
Inorganics									
Antimony	7440-36-0	MG/KG	49	29	8.06E-02	2.39E+01	SWMU54-2 3-4 Feet	4.70E+01	1.43E+00
Arsenic	7440-38-2	MG/KG	54	54	2.77E+00	3.54E+01	SWMU121-2 2-3 Feet	3.00E+00	2.20E+01
Barium	7440-39-3	MG/KG	54	54	4.67E+01	4.43E+02	SWMU79-1 3-4 Feet	2.20E+04	2.62E+02
Beryllium	7440-41-7	MG/KG	49	49	3.20E-01	2.04E+00	SWMU155-1 12-13 Feet	2.30E+02	2.23E+00
Cadmium	7440-43-9	MG/KG	54	21	4.55E-02	1.20E+00	MDA-HP-4 1-3 Feet	9.80E+01	1.37E+00
Chromium	7440-47-3	MG/KG	54	54	1.06E+01	1.92E+02	HP-70 2.5-4 Feet	1.80E+05	4.40E+01
Cobalt	7440-48-4	MG/KG	49	49	2.64E+00	4.57E+01	SWMU79-1 3-4 Feet	3.50E+01	2.23E+01
Copper	7440-50-8	MG/KG	49	49	8.65E+00	7.63E+02	SWMU79-1 3-4 Feet	4.70E+03	8.86E+01
Iron	7439-89-6	MG/KG	7	7	1.16E+04	2.39E+04	SLM-HP-3 6-8 Feet	8.20E+04	
Lead	7439-92-1	MG/KG	54	54	6.50E+00	5.05E+02	SWMU54-2 3-4 Feet	8.00E+02	1.06E+02
Manganese	7439-96-5	MG/KG	5	5	8.53E+01	6.18E+02	SLM-HP-3 6-8 Feet	2.60E+03	
Mercury	7439-97-6	MG/KG	54	53	1.30E-02	7.80E+01	MDA-HP-4 1-3 Feet	4.00E+00	4.14E+00
Nickel	7440-02-0	MG/KG	49	49	7.50E+00	4.63E+01	SWMU79-1 3-4 Feet	2.20E+03	2.59E+01
Selenium	7782-49-2	MG/KG	54	46	9.91E-02	2.50E+00	MDA-HP-3 12-16 Feet	5.80E+02	2.19E+00

Table 6.2
Identification of Constituents of Potential Concern in Subsurface Soil
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detected Value	Maximum Detected Value	Location Of Maximum Result	EPA SL Ind Soil[2]	Historic Fill 95%UTL[3]
Silver	7440-22-4	MG/KG	54	8	3.79E-01	3.30E+00	MDA-HP-4 1-3 Feet	5.80E+02	-
Thallium	7440-28-0	MG/KG	49	43	9.18E-02	6.21E-01	SWMU191-2 7-8 Feet	1.20E+00	4.09E-01
Tin	7440-31-5	MG/KG	49	43	2.27E+00	5.38E+00	SWMU79-1 3-4 Feet	7.00E+04	0.00E+00
Vanadium	7440-62-2	MG/KG	49	49	6.99E+00	4.96E+01	SWMU191-2 7-8 Feet	5.80E+02	6.74E+01
Zinc	7440-66-6	MG/KG	49	49	1.41E+01	2.16E+02	SWMU32-35-2 3-4 Feet	3.50E+04	1.33E+02
Miscellaneous									
Ammonia	7664-41-7	MG/KG	21	19	4.09E+01	5.67E+02	SWMU191-1 5-6 Feet		
Cyanide	57-12-5	MG/KG	6	1	3.20E-01	3.20E-01	HP-70 2.5-4 Feet	1.20E+00	
Sulfide	18496-25-8	MG/KG	6	2	5.50E+01	6.00E+01	HP-5 8-9.5 Feet		
Total Organic Carbon	C012	MG/KG	13	13	2.60E+03	2.29E+05	MDA-HP-4 1-3 Feet		

1- Detected constituents in subsurface soil (1-15'). Field duplicates included in summary statistics.
Essential nutrients excluded from evaluation (calcium, magnesium, sodium and potassium)
2 - EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
delta-BHC -
Endosulfan I - Endosulfan
Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin
3 - Site-specific historic fill concentration summarized in Table 5.4
4- Total TEQ of dioxin/furans calculated in indivdiual SWMU/AOC tables.

Indicates an exceedance of the screening level.

Table 6.3
Identification of Constituents of Potential Concern in Hydropunch Groundwater
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	Filtered	No. of Samples	No. of Detects	Number Of Detected Locations	Minimum Detect	Maximum Detect	Location Of Maximum Result	Federal MCL[2]	Tap Water SL[2]
Volatile Organic Compounds											
1,2-Dichlorobenzene	95-50-1	UG/L	N	44	14	6	2.00E+00	1.90E+02	SLM-8	6.00E+02	3.00E+01
1,4-Dichlorobenzene	106-46-7	UG/L	N	44	6	3	3.00E+00	3.00E+00	SWMU150-2	7.50E+01	4.80E-01
2-Hexanone	591-78-6	UG/L	N	44	1	1	8.00E+00	8.00E+00	SWMU148-1		3.80E+00
Acetone	67-64-1	UG/L	N	44	12	11	7.00E+00	1.30E+04	SLM-15SO		1.40E+03
Acetonitrile	75-05-8	UG/L	N	44	1	1	1.00E+02	1.00E+02	SWMU148-1		1.30E+01
Benzene	71-43-2	UG/L	N	46	22	20	5.00E-01	1.50E+03	SWMU148-1	5.00E+00	4.50E-01
Carbon Disulfide	75-15-0	UG/L	N	44	3	3	1.00E+00	3.00E+00	SWMU153-1		8.10E+01
Carbon Tetrachloride	56-23-5	UG/L	N	44	4	3	3.00E+00	1.00E+02	MDA-3	5.00E+00	4.50E-01
Chlorobenzene	108-90-7	UG/L	N	44	12	11	4.00E+00	2.30E+04	SLM-2-GW	1.00E+02	7.80E+00
Chloroform	67-66-3	UG/L	N	44	5	4	1.00E+00	7.70E+01	MDA-3	8.00E+01	2.20E-01
Ethylbenzene	100-41-4	UG/L	N	44	16	15	1.00E+00	1.70E+03	SLM-11	7.00E+02	1.50E+00
Formaldehyde	50-00-0	UG/L	N	22	18	15	4.50E+01	1.60E+04	AOCE-3		4.30E-01
Formaldehyde	50-00-0	UG/L	Y	8	6	5	2.60E+01	5.00E+01	158-3DO		4.30E-01
Methyl Ethyl Ketone	78-93-3	UG/L	N	44	3	3	4.00E+00	2.00E+02	SLM-15SO		5.60E+02
Styrene	100-42-5	UG/L	N	44	2	2	3.50E+01	8.40E+01	SWMU148-1	1.00E+02	1.20E+02
Toluene	108-88-3	UG/L	N	44	16	14	1.00E+00	6.00E+02	SWMU148-1	1.00E+03	1.10E+02
Xylenes	1330-20-7	UG/L	N	44	17	15	9.00E-01	7.00E+03	SLM-11	1.00E+04	1.90E+01
Semivolatile Organic Compounds											
1,4-Dioxane	123-91-1	UG/L	N	33	7	7	1.00E+00	1.90E+01	SWMU150-1		4.60E-01
1,4-Dioxane	123-91-1	UG/L	Y	8	5	5	1.00E+00	3.40E+01	SLM-14DO		4.60E-01
2,4-Dimethylphenol	105-67-9	UG/L	N	22	4	3	2.00E+00	1.60E+03	SWMU148-1		3.60E+01
2-Methylnaphthalene	91-57-6	UG/L	N	22	15	13	1.00E-01	1.30E+03	SWMU148-1		3.60E+00
2-Methylphenol (O-Cresol)	95-48-7	UG/L	N	22	3	2	1.00E+00	3.20E+03	SWMU148-1		9.30E+01
2-Picoline	109-06-8	UG/L	N	22	1	1	1.30E+02	1.30E+02	SWMU148-1		
4-Methylphenol (P-Cresol)	106-44-5	UG/L	N	22	5	4	7.00E-01	9.60E+03	SWMU148-1		1.90E+02
Acenaphthene	83-32-9	UG/L	N	22	7	6	4.00E-01	2.00E+02	SWMU148-1		5.30E+01
Acenaphthylene	208-96-8	UG/L	N	22	10	9	4.00E-01	3.10E+02	SWMU148-1		5.30E+01
Aniline	62-53-3	UG/L	N	22	2	2	2.00E+00	4.20E+02	SWMU148-1		1.30E+01
Anthracene	120-12-7	UG/L	N	22	9	8	4.00E-01	6.90E+02	SWMU148-1		1.80E+02
Benzo(A)Anthracene	56-55-3	UG/L	N	22	12	11	3.00E-01	6.20E+02	SWMU148-1		1.20E-02
Benzo(B)Fluoranthene	205-99-2	UG/L	N	22	15	13	1.00E-01	5.00E+02	SWMU148-1		3.40E-02
Benzo(G,H,I)Perylene	191-24-2	UG/L	N	22	12	11	3.00E-01	2.90E+02	SWMU148-1		1.20E+01
Benzo(K)Fluoranthene	207-08-9	UG/L	N	22	11	10	2.00E-01	2.30E+02	SWMU75-1 3-4 Feet		3.40E-01
Benzo[A]Pyrene	50-32-8	UG/L	N	22	12	11	4.00E-01	5.30E+02	SWMU148-1	2.00E-01	3.40E-03
Benzyl Alcohol	100-51-6	UG/L	N	22	1	1	7.00E+00	7.00E+00	SWMU54-2		2.00E+02
Bis(2-Ethylhexyl)Phthalate	117-81-7	UG/L	N	22	2	2	2.10E+01	2.40E+01	SWMU150-1	6.00E+00	5.60E+00
Chrysene	218-01-9	UG/L	N	22	14	12	3.00E-01	5.90E+02	SWMU148-1		3.40E+00
Dibenz(A,H)Anthracene	53-70-3	UG/L	N	22	6	5	1.00E-01	6.30E+01	SWMU148-1		3.40E-03
Dibenzofuran	132-64-9	UG/L	N	22	7	6	8.00E-01	8.80E+02	SWMU148-1		7.90E-01
Fluoranthene	206-44-0	UG/L	N	22	13	11	4.00E-01	1.70E+03	SWMU54-2-3 0.5-1 FEET		8.00E+01
Fluorene	86-73-7	UG/L	N	22	8	7	2.00E-01	9.60E+02	SWMU148-1		2.90E+01
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	N	22	12	11	2.00E-01	2.70E+02	SWMU148-1		3.40E-02
Methyl Methacrylate	80-62-6	UG/L	N	44	1	1	3.50E+01	3.50E+01	SLM-15SO		1.40E+02
Naphthalene	91-20-3	UG/L	N	22	15	13	2.00E-01	1.50E+04	SWMU148-1		1.70E-01
Naphthalene	91-20-3	UG/L	Y	11	6	6	1.00E-01	3.00E+00	SLM-15SO		1.70E-01
O-Toluidine	95-53-4	UG/L	N	22	1	1	1.90E+02	1.90E+02	SWMU148-1		
Phenanthrene	85-01-8	UG/L	N	22	14	12	2.00E-01	3.10E+03	SWMU148-1		1.80E+02
Phenol	108-95-2	UG/L	N	22	3	3	6.00E-01	1.40E+04	SWMU148-1		5.80E+02
Pyrene	129-00-0	UG/L	N	22	14	12	4.00E-01	1.40E+03	SWMU148-1		1.20E+01
Pyridine	110-86-1	UG/L	N	22	1	1	4.90E+02	4.90E+02	SWMU148-1		2.00E+00
Inorganics											
Antimony	7440-36-0	UG/L	N	13	9	8	5.40E-01	7.03E+01	AOC-G-1	6.00E+00	7.80E-01
Antimony	7440-36-0	UG/L	Y	3	2	1	7.80E+00	8.40E+00	MW-72-SO	6.00E+00	7.80E-01

Table 6.3
Identification of Constituents of Potential Concern in Hydropunch Groundwater
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	Filtered	No. of Samples	No. of Detects	Number Of Detected Locations	Minimum Detect	Maximum Detect	Location Of Maximum Result	Federal MCL[2]	Tap Water SL[2]
Arsenic	7440-38-2	UG/L	N	13	13	12	1.00E+00	3.71E+03	SWMU148-2	1.00E+01	5.20E-02
Arsenic	7440-38-2	UG/L	Y	3	2	2	1.10E+00	1.30E+00	MW-70-SO	1.00E+01	5.20E-02
Barium	7440-39-3	UG/L	N	13	13	12	8.23E+01	1.89E+04	SWMU153-1	2.00E+03	3.80E+02
Barium	7440-39-3	UG/L	Y	3	3	2	7.95E+01	9.70E+01	MW-70-SO	2.00E+03	3.80E+02
Beryllium	7440-41-7	UG/L	N	13	10	10	4.40E+00	2.11E+02	SWMU153-1	4.00E+00	2.50E+00
Cadmium	7440-43-9	UG/L	N	13	10	9	4.00E-01	4.43E+01	AOC-G-1	5.00E+00	9.20E-01
Chromium	7440-47-3	UG/L	N	13	12	12	1.50E+00	1.74E+04	SWMU148-2	1.00E+02	2.20E+03
Chromium	7440-47-3	UG/L	Y	3	1	1	2.90E+00	2.90E+00	MW-70-SO	1.00E+02	2.20E+03
Cobalt	7440-48-4	UG/L	N	13	12	11	3.30E+00	7.13E+03	AOC-G-1		6.00E-01
Cobalt	7440-48-4	UG/L	Y	3	2	1	3.80E+00	5.00E+00	MW-72-SO		6.00E-01
Copper	7440-50-8	UG/L	N	13	11	11	2.61E+01	3.15E+05	SWMU148-2	1.30E+03	8.00E+01
Lead	7439-92-1	UG/L	N	13	13	12	1.50E-01	1.74E+04	SWMU32-35-1 16-17 Feet	1.50E+01	1.50E+01
Mercury	7439-97-6	UG/L	N	13	11	11	2.00E-01	2.31E+02	SWMU150-1	2.00E+00	6.30E-02
Nickel	7440-02-0	UG/L	N	13	12	11	2.56E+01	1.36E+04	AOC-G-1		3.90E+01
Nickel	7440-02-0	UG/L	Y	3	2	1	2.91E+01	2.97E+01	MW-72-SO		3.90E+01
Selenium	7782-49-2	UG/L	N	13	12	11	1.70E+00	2.86E+02	SWMU148-2	5.00E+01	1.00E+01
Selenium	7782-49-2	UG/L	Y	3	2	1	9.60E-01	1.20E+00	MW-72-SO	5.00E+01	1.00E+01
Silver	7440-22-4	UG/L	N	13	6	6	5.70E+00	4.75E+02	AOC-G-1		9.40E+00
Thallium	7440-28-0	UG/L	N	13	12	11	2.20E-01	9.53E+01	SWMU148-2	2.00E+00	2.00E-02
Thallium	7440-28-0	UG/L	Y	3	2	1	2.00E-01	2.30E-01	MW-72-SO	2.00E+00	2.00E-02
Tin	7440-31-5	UG/L	N	13	10	10	1.00E+01	2.21E+03	AOC-G-1		1.20E+03
Vanadium	7440-62-2	UG/L	N	13	11	11	2.50E+00	3.50E+03	SWMU158-1		8.60E+00
Zinc	7440-66-6	UG/L	N	13	13	12	2.14E+01	9.76E+04	SWMU148-2		6.00E+02
Zinc	7440-66-6	UG/L	Y	3	3	2	1.15E+01	6.62E+01	MW-72-SO		6.00E+02
Miscellaneous											
Ethane	74-84-0	UG/L	N	10	6	2	1.30E+00	2.50E+00	SWMU54-2		
Methane	74-82-8	UG/L	N	10	10	4	2.60E+03	6.40E+03	SWMU54-2		
Ammonia	7664-41-7	UG/L	N	3	3	3	3.10E+03	1.34E+04	AOCE-3		

Notes:
1- Detected constituents in temporary hydropunch locations. Field duplicates included in summary statistics.
2 - EPA Regional Screening Level for tap water (June 2015) or Federal Maximum Contaminant Level (MCL)
(SL based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

Indicates an exceedance of the screening level.

Table 6.4
Identification of Constituents of Potential Concern in Shallow Overburden Groundwater
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	Filtered	No. of Samples	No. of Detects	Number Of Detected Locations	Minimum Detect	Maximum Detect	Location Of Maximum Result	Federal MCL[2]	Tap Water SL[2]
Volatile Organic Compounds											
1,1-Dichloroethane	75-34-3	UG/L	N	27	2	2	7.00E-01	1.00E+00	MW-75-SO		2.70E+00
1,2-Dichlorobenzene	95-50-1	UG/L	N	54	1	1	2.00E+00	2.00E+00	MW-31-SO	6.00E+02	3.00E+01
Acetone	67-64-1	UG/L	N	27	2	2	1.10E+01	1.30E+01	MW-24-SO		1.40E+03
Benzene	71-43-2	UG/L	N	27	9	9	5.00E-01	1.90E+05	MW-31-SO	5.00E+00	4.50E-01
Chloroform	67-66-3	UG/L	N	27	1	1	1.00E+00	1.00E+00	MW-70	8.00E+01	2.20E-01
cis-1,2 Dichloroethene	156-59-2	UG/L	N	27	2	2	6.00E-01	6.00E+00	MW-19-SO	7.00E+01	3.60E+00
Ethylbenzene	100-41-4	UG/L	N	27	5	5	1.00E+00	5.40E+02	MW-25-SO	7.00E+02	1.50E+00
Formaldehyde	50-00-0	UG/L	N	26	23	22	2.10E+01	1.70E+03	MW-24-SO		4.30E-01
Methyl Ethyl Ketone	78-93-3	UG/L	N	27	2	2	4.00E+00	6.00E+00	MW-24-SO		5.60E+02
Toluene	108-88-3	UG/L	N	27	4	4	7.00E-01	1.50E+03	MW-31-SO	1.00E+03	1.10E+02
Trichloroethene	79-01-6	UG/L	N	27	2	2	7.00E-01	1.00E+00	MW-19-SO	5.00E+00	2.80E-01
Xylenes	1330-20-7	UG/L	N	27	5	5	3.00E+00	4.70E+02	MW-31-SO	1.00E+04	1.90E+01
Semivolatile Organic Compounds											
1,4-Dioxane	123-91-1	UG/L	N	27	11	10	1.00E+00	5.00E+00	MW-76-SO		4.60E-01
2,4-Dimethylphenol	105-67-9	UG/L	N	27	3	3	9.00E-01	1.60E+02	MW-31-SO		3.60E+01
2-Chloronaphthalene	91-58-7	UG/L	N	27	1	1	1.70E+01	1.70E+01	MW-77-SO		7.50E+01
2-Methylnaphthalene	91-57-6	UG/L	N	27	4	4	5.00E+00	7.80E+01	MW-73-SO		3.60E+00
2-Methylphenol (O-Cresol)	95-48-7	UG/L	N	27	3	3	1.30E+01	2.80E+02	MW-31-SO		9.30E+01
2-Picoline	109-06-8	UG/L	N	27	2	2	1.70E+01	7.50E+01	MW-25-SO		
4-Methylphenol (P-Cresol)	106-44-5	UG/L	N	27	4	4	7.00E-01	1.50E+02	MW-31-SO		1.90E+02
Acenaphthene	83-32-9	UG/L	N	27	5	5	1.00E+00	9.90E+01	MW-75-SO		5.30E+01
Acenaphthylene	208-96-8	UG/L	N	27	5	5	2.00E-01	4.00E+00	MW-75-SO		5.30E+01
Acetophenone	98-86-2	UG/L	N	27	5	5	1.00E+00	2.10E+02	MW-31-SO		1.90E+02
Aniline	62-53-3	UG/L	N	27	1	1	5.00E+00	5.00E+00	MW-31-SO		1.30E+01
Anthracene	120-12-7	UG/L	N	27	5	5	2.00E-01	2.00E+00	MW-73-SO		1.80E+02
Benzo(A)Anthracene	56-55-3	UG/L	N	27	5	5	1.00E-01	1.00E+00	MW-73-SO		1.20E-02
Benzo(B)Fluoranthene	205-99-2	UG/L	N	27	5	5	1.00E-01	1.00E+00	MW-73-SO		3.40E-02
Benzo(G,H,I)Perylene	191-24-2	UG/L	N	27	4	4	1.00E-01	6.00E-01	MW-73-SO		1.20E+01
Benzo(K)Fluoranthene	207-08-9	UG/L	N	27	3	3	1.00E-01	4.00E-01	MW-73-SO		3.40E-01
Benzo[A]Pyrene	50-32-8	UG/L	N	27	4	4	1.00E-01	1.00E+00	MW-73-SO	2.00E-01	3.40E-03
Chrysene	218-01-9	UG/L	N	27	5	5	1.00E-01	1.00E+00	MW-73-SO		3.40E+00
Dibenz(A,H)Anthracene	53-70-3	UG/L	N	27	1	1	2.00E-01	2.00E-01	MW-73-SO		3.40E-03
Dibenzofuran	132-64-9	UG/L	N	27	5	5	7.00E-01	1.00E+01	MW-73-SO		7.90E-01
Fluoranthene	206-44-0	UG/L	N	27	11	10	1.00E-01	5.00E+00	MW-73-SO		8.00E+01
Fluorene	86-73-7	UG/L	N	27	7	7	3.00E-01	7.00E+00	MW-73-SO		2.90E+01
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	N	27	4	4	1.00E-01	5.00E-01	MW-73-SO		3.40E-02
Naphthalene	91-20-3	UG/L	N	27	7	7	3.00E-01	4.50E+03	MW-25-SO		1.70E-01
Phenanthrene	85-01-8	UG/L	N	27	8	8	1.00E-01	1.20E+01	MW-73-SO		1.80E+02
Phenol	108-95-2	UG/L	N	27	5	5	3.00E+00	6.30E+02	MW-31-SO		5.80E+02
Pyrene	129-00-0	UG/L	N	27	11	10	1.00E-01	4.00E+00	MW-73-SO		1.20E+01

Table 6.4
Identification of Constituents of Potential Concern in Shallow Overburden Groundwater
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	Filtered	No. of Samples	No. of Detects	Number Of Detected Locations	Minimum Detect	Maximum Detect	Location Of Maximum Result	Federal MCL[2]	Tap Water SL[2]
Pyridine	110-86-1	UG/L	N	27	1	1	2.90E+01	2.90E+01	MW-31-SO		2.00E+00
Inorganics											
Antimony	7440-36-0	UG/L	N	26	11	9	8.30E-01	1.30E+01	MW-26-SO	6.00E+00	7.80E-01
Antimony	7440-36-0	UG/L	Y	26	9	7	4.90E-01	8.40E+00	MW-72-SO	6.00E+00	7.80E-01
Arsenic	7440-38-2	UG/L	N	26	22	20	9.40E-01	2.56E+02	MW-31-SO	1.00E+01	5.20E-02
Arsenic	7440-38-2	UG/L	Y	26	17	17	1.00E+00	1.05E+02	MW-25-SO	1.00E+01	5.20E-02
Barium	7440-39-3	UG/L	N	26	26	24	3.65E+01	3.52E+04	MW-31-SO	2.00E+03	3.80E+02
Barium	7440-39-3	UG/L	Y	26	26	24	3.08E+01	3.23E+03	MW-25-SO	2.00E+03	3.80E+02
Cadmium	7440-43-9	UG/L	N	26	12	11	4.00E-01	4.10E+00	MW-22-SO	5.00E+00	9.20E-01
Cadmium	7440-43-9	UG/L	Y	26	7	7	3.50E-01	4.60E+00	MW-22-SO	5.00E+00	9.20E-01
Chromium	7440-47-3	UG/L	N	26	24	23	1.50E+00	4.77E+02	MW-31-SO	1.00E+02	2.20E+03
Chromium	7440-47-3	UG/L	Y	26	17	16	1.50E+00	8.10E+00	MW-39-SO	1.00E+02	2.20E+03
Cobalt	7440-48-4	UG/L	N	26	15	13	2.20E+00	2.48E+02	MW-77-SO		6.00E-01
Cobalt	7440-48-4	UG/L	Y	26	10	9	3.40E+00	2.47E+02	MW-77-SO		6.00E-01
Copper	7440-50-8	UG/L	N	26	21	20	2.90E+00	2.95E+03	MW-31-SO	1.30E+03	8.00E+01
Copper	7440-50-8	UG/L	Y	26	8	8	2.90E+00	1.21E+02	MW-22-SO	1.30E+03	8.00E+01
Lead	7439-92-1	UG/L	N	26	24	22	1.20E-01	2.41E+02	MW-31-SO	1.50E+01	1.50E+01
Lead	7439-92-1	UG/L	Y	26	9	8	8.80E-02	1.50E+00	MW-27-SO	1.50E+01	1.50E+01
Mercury	7439-97-6	UG/L	N	26	5	5	1.70E-01	1.10E+00	MW-23-SO	2.00E+00	6.30E-02
Mercury	7439-97-6	UG/L	Y	26	1	1	1.70E-01	1.70E-01	MW-23-SO	2.00E+00	6.30E-02
Nickel	7440-02-0	UG/L	N	26	18	16	1.70E+00	2.17E+03	MW-31-SO		3.90E+01
Nickel	7440-02-0	UG/L	Y	26	16	14	1.70E+00	7.94E+01	MW-77-SO		3.90E+01
Selenium	7782-49-2	UG/L	N	26	13	11	5.70E-01	2.15E+01	MW-31-SO	5.00E+01	1.00E+01
Selenium	7782-49-2	UG/L	Y	26	13	11	5.00E-01	4.20E+00	MW-76-SO	5.00E+01	1.00E+01
Silver	7440-22-4	UG/L	N	26	2	2	1.90E+00	1.21E+02	MW-31-SO		9.40E+00
Silver	7440-22-4	UG/L	Y	26	1	1	3.70E+00	3.70E+00	MW-87-SO		9.40E+00
Thallium	7440-28-0	UG/L	N	26	4	3	2.20E-01	1.40E+00	MW-31-SO	2.00E+00	2.00E-02
Thallium	7440-28-0	UG/L	Y	26	2	1	2.00E-01	2.30E-01	MW-72-SO	2.00E+00	2.00E-02
Tin	7440-31-5	UG/L	N	26	1	1	9.85E+01	9.85E+01	MW-31-SO		1.20E+03
Vanadium	7440-62-2	UG/L	N	26	11	10	1.90E+00	1.73E+02	MW-31-SO		8.60E+00
Vanadium	7440-62-2	UG/L	Y	26	2	2	2.40E+00	3.70E+00	MW-31-SO		8.60E+00
Zinc	7440-66-6	UG/L	N	26	26	24	4.50E+00	1.19E+03	MW-31-SO		6.00E+02
Zinc	7440-66-6	UG/L	Y	26	25	23	4.20E+00	1.59E+02	MW-86-SO		6.00E+02

Notes:

1- Detected constituents in shallow overburden monitoring wells, Phase IV RFI samplng events. Field duplicates included in summary statistics.

2 - EPA Regional Screening Level for tap water (June 2015) or Federal Maximum Contaminant Level (MCL)
(SL based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)

Screening Criteria Notes:

Chromium value is the SL for trivalent chromium

Mercury value shown is the SL for mercuric chloride

The following surrogates were used for analytes without an SL:

Analyte - Surrogate

Acenaphthylene - acenaphthene

Benzo(g,h,i)perylene - pyrene

Phenanthrene - anthracene

Indicates an exceedance of the screening level.

Table 6.5
Identification of Constituents of Potential Concern in Deep Overburden Groundwater
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	Filtered	No. of Samples	No. of Detects	Number Of Detected Locations	Minimum Detect	Maximum Detect	Location Of Maximum Result	Federal MCL[2]	Tap Water SL[2]
Volatile Organic Compounds											
1,1,2-Trichloroethane	79-00-5	UG/L	N	12	1	1	2.00E+00	2.00E+00	MW-19-DO	5.00E+00	4.10E-02
1,1-Dichloroethane	75-34-3	UG/L	N	12	4	4	2.00E+00	9.00E+00	MW-29-DO		2.70E+00
1,1-Dichloroethene	75-35-4	UG/L	N	12	3	3	1.00E+00	1.60E+01	MW-29-DO	7.00E+00	2.80E+01
1,2-Dichloroethane	107-06-2	UG/L	N	12	4	4	1.00E+00	6.00E+00	MW-31-DO	5.00E+00	1.70E-01
Acetone	67-64-1	UG/L	N	12	1	1	7.00E+00	7.00E+00	MW-21-DO		1.40E+03
Benzene	71-43-2	UG/L	N	12	3	3	1.00E+00	2.00E+01	MW-21-DO	5.00E+00	4.50E-01
cis-1,2 Dichloroethene	156-59-2	UG/L	N	12	2	2	2.00E+00	8.00E+00	MW-29-DO	7.00E+01	3.60E+00
Formaldehyde	50-00-0	UG/L	N	12	11	11	2.00E+01	7.00E+01	MW-29-DO		4.30E-01
Methyl Ethyl Ketone	78-93-3	UG/L	N	12	1	1	1.20E+01	1.20E+01	MW-21-DO		5.60E+02
trans-1,2-Dichloroethene	156-60-5	UG/L	N	12	1	1	6.00E-01	6.00E-01	MW-29-DO	1.00E+02	3.60E+01
Trichloroethene	79-01-6	UG/L	N	12	2	2	4.00E+00	4.00E+00	MW-32-DO	5.00E+00	2.80E-01
Vinyl Chloride	75-01-4	UG/L	N	12	4	4	5.00E-01	4.00E+00	MW-29-DO	2.00E+00	1.90E-02
Semivolatile Organic Compounds											
1,4-Dioxane	123-91-1	UG/L	N	12	8	8	3.00E+00	1.30E+02	MW-29-DO		4.60E-01
2,4-Dimethylphenol	105-67-9	UG/L	N	12	3	3	7.00E-01	7.00E+00	MW-27-DO		3.60E+01
Fluoranthene	206-44-0	UG/L	N	12	1	1	3.00E-01	3.00E-01	MW-31-DO		8.00E+01
Pyrene	129-00-0	UG/L	N	12	1	1	3.00E-01	3.00E-01	MW-31-DO		1.20E+01
Inorganics											
Antimony	7440-36-0	UG/L	N	12	3	3	3.40E-01	5.22E+01	MW-20-DO	6.00E+00	7.80E-01
Antimony	7440-36-0	UG/L	Y	12	2	2	4.60E-01	2.60E+00	MW-20-DO	6.00E+00	7.80E-01
Arsenic	7440-38-2	UG/L	N	12	11	11	8.70E-01	5.66E+01	MW-19-DO	1.00E+01	5.20E-02
Arsenic	7440-38-2	UG/L	Y	12	5	5	2.90E+00	4.17E+01	MW-21-DO	1.00E+01	5.20E-02
Barium	7440-39-3	UG/L	N	12	12	12	7.95E+01	2.92E+03	MW-31-DO	2.00E+03	3.80E+02
Barium	7440-39-3	UG/L	Y	12	12	12	7.04E+01	2.92E+03	MW-31-DO	2.00E+03	3.80E+02
Beryllium	7440-41-7	UG/L	N	12	2	2	3.50E+00	4.30E+00	MW-20-DO	4.00E+00	2.50E+00
Beryllium	7440-41-7	UG/L	Y	12	1	1	2.70E+00	2.70E+00	MW-21-DO	4.00E+00	2.50E+00
Cadmium	7440-43-9	UG/L	N	12	6	6	4.10E-01	8.30E+00	MW-20-DO	5.00E+00	9.20E-01
Cadmium	7440-43-9	UG/L	Y	12	5	5	5.20E-01	2.00E+00	MW-20-DO	5.00E+00	9.20E-01
Chromium	7440-47-3	UG/L	N	12	11	11	1.60E+00	4.26E+01	MW-21-DO	1.00E+02	2.20E+03
Chromium	7440-47-3	UG/L	Y	12	6	6	1.80E+00	4.05E+01	MW-21-DO	1.00E+02	2.20E+03
Cobalt	7440-48-4	UG/L	N	12	7	7	1.20E+00	1.21E+02	MW-32-DO		6.00E-01
Cobalt	7440-48-4	UG/L	Y	12	5	5	4.10E+00	1.29E+02	MW-32-DO		6.00E-01
Copper	7440-50-8	UG/L	N	12	9	9	3.00E+00	9.22E+01	MW-20-DO	1.30E+03	8.00E+01
Copper	7440-50-8	UG/L	Y	12	2	2	3.20E+00	2.33E+01	MW-21-DO	1.30E+03	8.00E+01
Lead	7439-92-1	UG/L	N	12	10	10	3.40E-01	2.02E+01	MW-20-DO	1.50E+01	1.50E+01
Lead	7439-92-1	UG/L	Y	12	2	2	1.80E-01	1.15E+01	MW-21-DO	1.50E+01	1.50E+01
Mercury	7439-97-6	UG/L	N	12	1	1	4.46E+01	4.46E+01	MW-20-DO	2.00E+00	6.30E-02
Mercury	7439-97-6	UG/L	Y	12	1	1	8.80E-02	8.80E-02	MW-20-DO	2.00E+00	6.30E-02
Nickel	7440-02-0	UG/L	N	12	5	5	2.70E+00	5.31E+01	MW-32-DO		3.90E+01
Nickel	7440-02-0	UG/L	Y	12	5	5	2.90E+00	5.52E+01	MW-32-DO		3.90E+01
Selenium	7782-49-2	UG/L	N	12	3	3	7.00E-01	2.60E+00	MW-20-DO	5.00E+01	1.00E+01

Table 6.5
Identification of Constituents of Potential Concern in Deep Overburden Groundwater
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	Filtered	No. of Samples	No. of Detects	Number Of Detected Locations	Minimum Detect	Maximum Detect	Location Of Maximum Result	Federal MCL[2]	Tap Water SL[2]
Selenium	7782-49-2	UG/L	Y	12	2	2	6.20E-01	1.30E+00	MW-21-DO	5.00E+01	1.00E+01
Silver	7440-22-4	UG/L	N	12	4	4	2.10E+00	4.40E+00	MW-20-DO		9.40E+00
Silver	7440-22-4	UG/L	Y	12	2	2	2.30E+00	2.70E+00	MW-20-DO		9.40E+00
Tin	7440-31-5	UG/L	N	12	3	3	2.50E+00	6.80E+00	MW-20-DO		1.20E+03
Vanadium	7440-62-2	UG/L	N	12	4	4	2.00E+00	1.88E+02	MW-21-DO		8.60E+00
Vanadium	7440-62-2	UG/L	Y	12	2	2	2.60E+00	1.61E+02	MW-21-DO		8.60E+00
Zinc	7440-66-6	UG/L	N	12	12	12	3.30E+00	1.49E+02	MW-20-DO		6.00E+02
Zinc	7440-66-6	UG/L	Y	12	11	11	1.42E+01	8.71E+01	MW-35-DO		6.00E+02

Notes:

1- Detected constituents in deep overburden monitoring wells, Phase IV RFI samplng events. Field duplicates included in summary statistics.

2 - EPA Regional Screening Level for tap water (June 2015) or Federal Maximum Contaminant Level (MCL)
(SL based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)

Screening Criteria Notes:

Chromium value is the SL for trivalent chromium

Mercury value shown is the SL for mercuric chloride

Indicates an exceedance of the screening level.

Table 6.6
Identification of Constituents of Potential Concern in Bedrock (A-Zone) Groundwater
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	Filtered	No. of Samples	No. of Detects	Number Of Detected Locations	Minimum Detect	Maximum Detect	Location Of Maximum Result	Federal MCL[2]	Tap Water SL[2]
Volatile Organic Compounds											
1,1-Dichloroethane	75-34-3	UG/L	N	8	1	1	1.60E+01	1.60E+01	MW-19-A		2.70E+00
1,1-Dichloroethene	75-35-4	UG/L	N	8	1	1	2.30E+01	2.30E+01	MW-19-A	7.00E+00	2.80E+01
1,2,3-Trichloropropane	96-18-4	UG/L	N	8	1	1	1.00E+00	1.00E+00	MW-19-A		7.50E-04
1,2-Dichloroethane	107-06-2	UG/L	N	8	1	1	3.20E+01	3.20E+01	MW-19-A	5.00E+00	1.70E-01
Acetone	67-64-1	UG/L	N	8	1	1	1.10E+01	1.10E+01	MW-85-A		1.40E+03
Benzene	71-43-2	UG/L	N	8	2	2	5.00E-01	1.00E+00	MW-19-A	5.00E+00	4.50E-01
Chlorobenzene	108-90-7	UG/L	N	8	1	1	5.00E-01	5.00E-01	MW-19-A	1.00E+02	7.80E+00
Chloroform	67-66-3	UG/L	N	8	1	1	4.00E+00	4.00E+00	MW-19-A	8.00E+01	2.20E-01
cis-1,2 Dichloroethene	156-59-2	UG/L	N	8	1	1	7.90E+01	7.90E+01	MW-19-A	7.00E+01	3.60E+00
Ethylbenzene	100-41-4	UG/L	N	8	1	1	3.00E+00	3.00E+00	MW-19-A	7.00E+02	1.50E+00
Formaldehyde	50-00-0	UG/L	N	8	7	7	2.10E+01	4.80E+01	MW-24-A		4.30E-01
Methyl Ethyl Ketone	78-93-3	UG/L	N	8	1	1	4.00E+00	4.00E+00	MW-85-A		5.60E+02
Toluene	108-88-3	UG/L	N	8	2	2	7.00E-01	1.00E+01	MW-19-A	1.00E+03	1.10E+02
trans-1,2-Dichloroethene	156-60-5	UG/L	N	8	1	1	1.10E+02	1.10E+02	MW-19-A	1.00E+02	3.60E+01
Trichloroethene	79-01-6	UG/L	N	8	1	1	1.20E+02	1.20E+02	MW-19-A	5.00E+00	2.80E-01
Vinyl Chloride	75-01-4	UG/L	N	8	1	1	2.90E+02	2.90E+02	MW-19-A	2.00E+00	1.90E-02
Xylenes	1330-20-7	UG/L	N	8	2	2	9.00E-01	3.50E+01	MW-19-A	1.00E+04	1.90E+01
Semivolatile Organic Compounds											
1,4-Dioxane	123-91-1	UG/L	N	8	1	1	2.00E+00	2.00E+00	MW-24-A		4.60E-01
2-Methylnaphthalene	91-57-6	UG/L	N	8	1	1	6.00E-01	6.00E-01	MW-19-A		3.60E+00
2-Nitrophenol	88-75-5	UG/L	N	8	1	1	8.00E-01	8.00E-01	MW-24-A		
Acenaphthene	83-32-9	UG/L	N	8	1	1	3.00E-01	3.00E-01	MW-24-A		5.30E+01
Acetophenone	98-86-2	UG/L	N	8	1	1	7.00E-01	7.00E-01	MW-19-A		1.90E+02
Benzo(B)Fluoranthene	205-99-2	UG/L	N	8	1	1	2.00E-01	2.00E-01	MW-21-A		3.40E-02
Benzo(G,H,I)Perylene	191-24-2	UG/L	N	8	1	1	2.00E-01	2.00E-01	MW-21-A		1.20E+01
Benzo(K)Fluoranthene	207-08-9	UG/L	N	8	1	1	1.00E-01	1.00E-01	MW-21-A		3.40E-01
Benzo[A]Pyrene	50-32-8	UG/L	N	8	1	1	2.00E-01	2.00E-01	MW-21-A	2.00E-01	3.40E-03
Chrysene	218-01-9	UG/L	N	8	1	1	2.00E-01	2.00E-01	MW-21-A		3.40E+00
Fluoranthene	206-44-0	UG/L	N	8	1	1	3.00E-01	3.00E-01	MW-21-A		8.00E+01
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	N	8	1	1	1.00E-01	1.00E-01	MW-21-A		3.40E-02
Naphthalene	91-20-3	UG/L	N	8	2	2	1.00E-01	1.00E+00	MW-19-A		1.70E-01
Phenol	108-95-2	UG/L	N	8	1	1	3.00E+00	3.00E+00	MW-85-A		5.80E+02
Pyrene	129-00-0	UG/L	N	8	1	1	3.00E-01	3.00E-01	MW-21-A		1.20E+01
Inorganics											
Antimony	7440-36-0	UG/L	N	8	4	4	4.20E-01	1.90E+00	MW-18-A	6.00E+00	7.80E-01
Antimony	7440-36-0	UG/L	Y	8	4	4	5.40E-01	1.70E+00	MW-20-A	6.00E+00	7.80E-01
Arsenic	7440-38-2	UG/L	N	8	7	7	9.50E-01	4.24E+01	MW-22-A	1.00E+01	5.20E-02
Arsenic	7440-38-2	UG/L	Y	8	6	6	1.00E+00	3.09E+01	MW-22-A	1.00E+01	5.20E-02
Barium	7440-39-3	UG/L	N	8	8	8	5.30E+01	2.89E+04	MW-19-A	2.00E+03	3.80E+02
Barium	7440-39-3	UG/L	Y	8	8	8	5.38E+01	2.91E+04	MW-19-A	2.00E+03	3.80E+02
Cadmium	7440-43-9	UG/L	N	8	4	4	1.70E+00	1.17E+01	MW-18-A	5.00E+00	9.20E-01

Table 6.6
Identification of Constituents of Potential Concern in Bedrock (A-Zone) Groundwater
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	Filtered	No. of Samples	No. of Detects	Number Of Detected Locations	Minimum Detect	Maximum Detect	Location Of Maximum Result	Federal MCL[2]	Tap Water SL[2]
Cadmium	7440-43-9	UG/L	Y	8	3	3	1.60E+00	8.20E+00	MW-22-A	5.00E+00	9.20E-01
Chromium	7440-47-3	UG/L	N	8	5	5	2.50E+00	2.50E+00	MW-20-A	1.00E+02	2.20E+03
Chromium	7440-47-3	UG/L	Y	8	4	4	2.30E+00	2.30E+00	MW-20-A	1.00E+02	2.20E+03
Cobalt	7440-48-4	UG/L	N	8	1	1	1.02E+01	1.81E+01	MW-19-A		6.00E-01
Cobalt	7440-48-4	UG/L	Y	8	1	1	8.50E+00	8.09E+01	MW-19-A		6.00E-01
Copper	7440-50-8	UG/L	Y	8	2	2	1.80E-01	8.40E+00	MW-21-A	1.30E+03	8.00E+01
Copper	7440-50-8	UG/L	N	8	4	4	1.00E-01	1.00E-01	MW-21-A	1.30E+03	8.00E+01
Lead	7439-92-1	UG/L	N	8	5	5	6.60E-02	9.30E-02	MW-21-A	1.50E+01	1.50E+01
Lead	7439-92-1	UG/L	Y	8	1	1	1.70E+00	3.26E+01	MW-85-A	1.50E+01	1.50E+01
Mercury	7439-97-6	UG/L	N	8	3	3	2.20E+00	1.03E+01	MW-21-A	2.00E+00	6.30E-02
Nickel	7440-02-0	UG/L	N	8	7	7	5.30E-01	5.90E-01	MW-22-A		3.90E+01
Nickel	7440-02-0	UG/L	Y	8	7	7	4.10E+00	4.10E+00	MW-22-A		3.90E+01
Selenium	7782-49-2	UG/L	N	8	3	3	4.10E+00	4.10E+00	MW-24-A	5.00E+01	1.00E+01
Selenium	7782-49-2	UG/L	Y	8	3	3	4.10E+00	7.00E+00	MW-20-A	5.00E+01	1.00E+01
Tin	7440-31-5	UG/L	N	8	1	1	0.00E+00	0.00E+00	MW-19-A		1.20E+03
Tin	7440-31-5	UG/L	Y	8	1	1	0.00E+00	0.00E+00	MW-19-A		1.20E+03
Vanadium	7440-62-2	UG/L	N	8	2	2	0.00E+00	0.00E+00	MW-20-A		8.60E+00
Vanadium	7440-62-2	UG/L	Y	8	2	2	0.00E+00	0.00E+00	MW-20-A		8.60E+00
Zinc	7440-66-6	UG/L	N	8	8	8	0.00E+00	0.00E+00	MW-21-A		6.00E+02
Zinc	7440-66-6	UG/L	Y	8	7	7	0.00E+00	0.00E+00	MW-19-A		6.00E+02

Notes:

1- Detected constituents in bedrock monitoring wells, Phase IV RFI samplng events. Field duplicates included in summary statistics.

2 - EPA Regional Screening Level for tap water (June 2015) or Federal Maximum Contaminant Level (MCL)
(SL based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)

Screening Criteria Notes:

Chromium value is the SL for trivalent chromium

Mercury value shown is the SL for mercuric chloride

The following surrogates were used for analytes without an SL:

Analyte - Surrogate

Benzo(g,h,i)perylene - pyrene

Indicates an exceedance of the screening level.

Table 6.7
Summary of COPCs in Groundwater
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Hydropunch[1]	Shallow Overburden	Deep Overburden	A Zone
1,2-Dichlorobenzene	Benzene	1,1,2-Trichloroethane	1,1-Dichloroethane
1,4-Dichlorobenzene	Chloroform	1,1-Dichloroethane	1,1-Dichloroethene
2-Hexanone	cis-1,2 Dichloroethene	1,1-Dichloroethene	1,2-Dichloroethane
Acetone	Ethylbenzene	1,2-Dichloroethane	1,2,3-Trichloropropane
Acetonitrile	Formaldehyde	Benzene	Benzene
Benzene	Toluene	cis-1,2 Dichloroethene	Chloroform
Carbon Tetrachloride	Trichloroethene	Formaldehyde	cis-1,2 Dichloroethene
Chlorobenzene	Xylenes	Trichloroethene	Ethylbenzene
Chloroform		Vinyl Chloride	Formaldehyde
Ethylbenzene	1,4-Dioxane		trans-1,2-Dichloroethene
Formaldehyde	2,4-Dimethylphenol	1,4-Dioxane	Trichloroethene
Toluene	2-Methylnaphthalene		Vinyl Chloride
Xylenes	2-Methylphenol (O-Cresol)		Xylenes
	Acenaphthene		
1,4-Dioxane	Acetophenone		1,4-Dioxane
Naphthalene	Benzo(A)Anthracene		Benzo(B)Fluoranthene
	Benzo(B)Fluoranthene		Benzo[A]Pyrene
	Benzo(K)Fluoranthene		Indeno (1,2,3-CD) Pyrene
	Benzo[A]Pyrene		Naphthalene
	Dibenz(A,H)Anthracene		
	Dibenzofuran		
	Indeno (1,2,3-CD) Pyrene		
	Naphthalene		
	Phenol		
	Pyridine		

1 Based on potential bias issues, COPCs shown limited to VOCs, 1,4-dioxane and naphthalene

Table 6.8
Summary of COPCs in Indoor Air
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	No. of Samples	No. of Detects	Number Of Detected Locations	Minimum Detect	Maximum Detect	Location Of Maximum Result	EPA VISL
1,1-Dichloroethane	75-34-3	UG/L	47	2	2	7.00E-01	1.00E+00	MW-75-SO	3.30E+01
1,2-Dichlorobenzene	95-50-1	UG/L	85	6	5	2.00E+00	1.90E+02	SLM-8	1.10E+03
1,4-Dichlorobenzene	106-46-7	UG/L	85	3	3	3.00E+00	3.00E+00	SLM-11	1.10E+01
1,4-Dioxane	123-91-1	UG/L	38	12	11	1.00E+00	1.90E+01	SWMU150-1	1.30E+04
2-Hexanone	591-78-6	UG/L	47	1	1	8.00E+00	8.00E+00	SWMU148-1	3.40E+04
Acetone	67-64-1	UG/L	47	7	6	8.00E+00	1.30E+01	MW-24-SO	9.50E+06
Acetonitrile	75-05-8	UG/L	47	1	1	1.00E+02	1.00E+02	SWMU148-1	1.90E+04
Benzene	71-43-2	UG/L	49	24	22	5.00E-01	1.90E+05	MW-31-SO	6.90E+00
Carbon Disulfide	75-15-0	UG/L	47	1	1	2.00E+00	2.00E+00	SWMU148-1	5.20E+02
Carbon Tetrachloride	56-23-5	UG/L	47	4	3	3.00E+00	1.00E+02	MDA-3	1.80E+00
Chlorobenzene	108-90-7	UG/L	47	8	7	4.00E+00	1.20E+03	SWMU148-1	1.70E+02
Chloroform	67-66-3	UG/L	47	4	3	2.00E+00	7.70E+01	MDA-3	3.60E+00
cis-1,2 Dichloroethene	156-59-2	UG/L	47	2	2	6.00E-01	6.00E+00	MW-19-SO	NV
Ethylbenzene	100-41-4	UG/L	47	18	17	1.00E+00	1.70E+03	SLM-11	1.50E+01
Formaldehyde	50-00-0	UG/L	36	31	29	2.10E+01	1.60E+04	AOCE-3	6.80E+04
Methyl Ethyl Ketone	78-93-3	UG/L	47	2	2	6.00E+00	5.40E+01	SWMU150-2	9.40E+05
Styrene	100-42-5	UG/L	47	2	2	3.50E+01	8.40E+01	SWMU148-1	3.90E+03
Toluene	108-88-3	UG/L	47	14	12	1.00E+00	1.50E+03	MW-31-SO	8.10E+03
Trichloroethene	79-01-6	UG/L	47	2	2	7.00E-01	1.00E+00	MW-19-SO	2.20E+00
Xylenes	1330-20-7	UG/L	47	21	19	9.00E-01	7.00E+03	SLM-11	2.10E+02
Naphthalene	91-20-3	UG/L	38	19	17	2.00E-01	1.50E+04	SWMU148-1	2.00E+01

Notes:

1- Detected constituents in shallow overburden monitoring wells and hydropunch locations, Phase IV RFI samplng events. Field duplicates included in summary statistics.

2 - EPA Vapor Intrusion Screening Levels for commercial/industrial land use (VISLs), June 2015
(VISL based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)

Indicates an exceedance of the screening level.

Table 6.9
Identification of Constituents of Potential Concern in Ditch Sediment
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	No. of Samples	No. of Detects	Minimum Detected Value	Maximum Detected Value	Location Of Maximum Result	EPA SL Ind Soil[2]
Volatile Organic Compounds								
Acetone	67-64-1	MG/KG	11	6	1.00E-02	8.40E-02	SWMU160-4	6.70E+04
Benzene	71-43-2	MG/KG	11	8	8.00E-04	4.00E-03	SWMU161-2	5.10E+00
Carbon Disulfide	75-15-0	MG/KG	11	11	2.00E-03	1.60E-02	SWMU160-2	3.50E+02
Methyl Chloride	74-87-3	MG/KG	11	1	5.00E-03	5.00E-03	SWMU160-4	4.60E+01
Toluene	108-88-3	MG/KG	11	1	2.00E-03	2.00E-03	SWMU160-5	4.70E+03
Xylenes	1330-20-7	MG/KG	11	1	2.00E-03	2.00E-03	SWMU161-1	2.80E+02
Semivolatile Organic Compounds								
2,4-Dimethylphenol	105-67-9	MG/KG	11	1	6.10E-02	6.10E-02	SWMU161-1	1.60E+03
2-Methylnaphthalene	91-57-6	MG/KG	11	11	5.30E-02	3.10E-01	SWMU190-2	3.00E+02
3-Methylcholanthrene	56-49-5	MG/KG	11	1	5.90E-01	5.90E-01	SWMU161-1	1.00E-01
4-Methylphenol (P-Cresol)	106-44-5	MG/KG	11	3	3.70E-02	1.20E-01	SWMU161-1	8.20E+03
Acenaphthene	83-32-9	MG/KG	11	11	1.80E-02	1.70E+00	SWMU161-1	4.50E+03
Acenaphthylene	208-96-8	MG/KG	11	11	1.00E-02	1.10E-01	SWMU160-1	4.50E+03
Acetophenone	98-86-2	MG/KG	11	1	1.60E-01	1.60E-01	SWMU161-1	1.20E+04
Anthracene	120-12-7	MG/KG	11	11	2.10E-02	4.80E+00	SWMU161-1	2.30E+04
Benzo(A)Anthracene	56-55-3	MG/KG	11	11	4.30E-02	1.60E+01	SWMU161-1	2.90E+00
Benzo(B)Fluoranthene	205-99-2	MG/KG	11	11	6.30E-02	1.90E+01	SWMU161-1	2.90E+00
Benzo(G,H,I)Perylene	191-24-2	MG/KG	11	11	4.50E-02	7.10E+00	SWMU161-1	2.30E+03
Benzo(K)Fluoranthene	207-08-9	MG/KG	11	11	2.50E-02	7.00E+00	SWMU161-1	2.90E+01
Benzo[A]Pyrene	50-32-8	MG/KG	11	11	4.50E-02	1.20E+01	SWMU161-1	2.90E-01
Bis(2-Ethylhexyl)Phthalate	117-81-7	MG/KG	11	1	1.40E-01	1.40E-01	SWMU160-5	1.60E+02
Chrysene	218-01-9	MG/KG	11	11	6.50E-02	1.70E+01	SWMU161-1	2.90E+02
Dibenz(A,H)Anthracene	53-70-3	MG/KG	11	10	1.30E-02	2.60E+00	SWMU161-1	2.90E-01
Dibenzofuran	132-64-9	MG/KG	11	10	2.60E-02	6.20E-01	SWMU161-1	1.00E+02
Fluoranthene	206-44-0	MG/KG	11	11	1.10E-01	4.60E+01	SWMU161-1	3.00E+03
Fluorene	86-73-7	MG/KG	11	10	2.50E-02	1.20E+00	SWMU161-1	3.00E+03
Indeno (1,2,3-CD) Pyrene	193-39-5	MG/KG	11	11	3.20E-02	7.40E+00	SWMU161-1	2.90E+00
Naphthalene	91-20-3	MG/KG	11	11	5.60E-02	4.20E-01	SWMU190-2	1.70E+01
N-Dioctyl Phthalate	117-84-0	MG/KG	11	1	4.00E-01	4.00E-01	SWMU160-5	8.20E+02
Phenanthrene	85-01-8	MG/KG	11	11	7.90E-02	3.40E+01	SWMU161-1	2.30E+04
Pyrene	129-00-0	MG/KG	11	11	1.20E-01	3.40E+01	SWMU161-1	2.30E+03
Inorganics								
Antimony	7440-36-0	MG/KG	9	9	2.61E-01	2.35E+00	SWMU160-5	4.70E+01
Arsenic	7440-38-2	MG/KG	9	9	2.87E+00	6.39E+00	SWMU160-4	3.00E+00
Barium	7440-39-3	MG/KG	9	9	3.69E+01	8.67E+01	SWMU160-6	2.20E+04
Beryllium	7440-41-7	MG/KG	9	9	5.95E-01	1.57E+00	SWMU160-1	2.30E+02
Cadmium	7440-43-9	MG/KG	9	9	2.12E-01	4.60E-01	SWMU160-6	9.80E+01
Chromium	7440-47-3	MG/KG	9	9	1.08E+01	8.10E+01	SWMU160-4	1.80E+05
Cobalt	7440-48-4	MG/KG	9	9	6.04E+00	1.35E+01	SWMU160-6	3.50E+01
Copper	7440-50-8	MG/KG	9	9	3.77E+01	6.86E+02	SWMU160-4	4.70E+03
Lead	7439-92-1	MG/KG	9	9	1.25E+01	3.66E+01	SWMU160-2	8.00E+02
Mercury	7439-97-6	MG/KG	9	9	7.48E-02	7.05E-01	SWMU161-2	4.00E+00
Nickel	7440-02-0	MG/KG	9	9	1.12E+01	5.61E+01	SWMU160-4	2.20E+03
Selenium	7782-49-2	MG/KG	9	9	1.76E-01	1.10E+00	SWMU160-6	5.80E+02
Silver	7440-22-4	MG/KG	9	2	2.22E-01	3.23E+00	SWMU160-5	5.80E+02
Thallium	7440-28-0	MG/KG	9	9	5.37E-02	2.35E-01	SWMU160-6	1.20E+00
Tin	7440-31-5	MG/KG	9	9	2.35E+00	5.05E+00	SWMU160-5	7.00E+04
Vanadium	7440-62-2	MG/KG	9	9	7.90E+00	1.58E+01	SWMU160-6	5.80E+02
Zinc	7440-66-6	MG/KG	9	9	9.29E+01	2.59E+02	SWMU160-5	3.50E+04

1- Detected constituents in surface soil (0-1'). Field duplicates included in summary statistics.
2 - EPA Regional Screening Level for Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)
Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

Indicates an exceedance of the screening level.

Table 6.10
Summary of Groundwater-to-Indoor Air Exceedance Locations
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	EPA VISL Com/Ind[2]	Location ID	AOCE-1	AOCE-1	AOCE-3	MDA-1	MDA-3	MDA-4	MDA-5	MDA-5
				Field Sample ID	P4G0513-AOCE-1-34-35	P4G0513-AOCE-1-34-35-D	P4G-0513-AOCE-3-8-9	GW1113-MDA-1	GW1113-MDA-3	GW1113-MDA-4	GW1113-MDA-5	GW1113-MDA-5-D
				Date Sampled	05/22/2013	05/22/2013	05/30/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013
				Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	DUP
Ethylbenzene	100-41-4	UG/L	15		<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Chlorobenzene	108-90-7	UG/L	170		<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Xylenes	1330-20-7	UG/L	210		**2 J**	**0.9 J**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Carbon Tetrachloride	56-23-5	UG/L	1.8		<1	<1	<1	<1	**100**	**4 J**	**3 J**	**3 J**
Chloroform	67-66-3	UG/L	3.6		<0.8	<0.8	<0.8	<0.8	**77**	**3 J**	**2 J**	**2 J**
Benzene	71-43-2	UG/L	6.9		**1 J**	**1 J**	<0.5	**0.5 J**	<0.5	**0.6 J**	**0.6 J**	<0.5
Naphthalene	91-20-3	UG/L	20		**140 J**	**200 J**	<0.1	**5**	**1 J**	**0.2 J**	**0.7 J**	**1 J**

Notes:
1 - Constituents detected above VISLs in Table 6.8
2 - EPA Vapor Intrusion Screening Levels for Commercial/Industrial Land Use (June 2015) (based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)

Table 6.10
Summary of Groundwater-to-Indoor Air Exceedance Locations
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	EPA VISL Com/Ind[2]	Location ID	MW-18-SO	MW-19-SO	MW-21-SO	MW-22-SO	MW-23-SO	MW-24-SO	MW-25-SO
				Field Sample ID	GWRFI-14-MW-18-SO	GWRFI-14-MW-19-SO	GWRFI-14-MW-21-SO	GWRFI-14-MW-22-SO	GWRFI-14-MW-23-SO	GWRFI-14-MW-24-SO	GWRFI-14-MW-25-SO
				Date Sampled	11/19/2014	11/13/2014	11/17/2014	11/20/2014	11/19/2014	12/03/2014	12/03/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Ethylbenzene	100-41-4	UG/L	15		<0.5	<0.5	<0.5	<0.5	<0.5	**150**	**540**
Chlorobenzene	108-90-7	UG/L	170		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Xylenes	1330-20-7	UG/L	210		<0.5	<0.5	<0.5	<0.5	<0.5	**18**	**410**
Carbon Tetrachloride	56-23-5	UG/L	1.8		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Chloroform	67-66-3	UG/L	3.6		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
Benzene	71-43-2	UG/L	6.9		<0.5	<0.5	<0.5	<0.5	<0.5	**540**	**27000**
Naphthalene	91-20-3	UG/L	20		<0.1	<0.1	<0.1	<0.1	<0.1	**670**	**4500**

Notes:
1 - Constituents detected above VISLs in Table 6.8
2 - EPA Vapor Intrusion Screening Levels for Commercial/Industrial Land Use (June 2015) (based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)

Table 6.10
Summary of Groundwater-to-Indoor Air Exceedance Locations
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	EPA VISL Com/Ind[2]	Location ID	MW-26-SO	MW-27-SO	MW-30-SO	MW-31-SO	MW-36-SO	MW-39-SO	MW-70-SO
				Field Sample ID	GWRFI-14-MW-26-SO	GWRFI-14-MW-27-SO	GWRFI-14-MW-30-SO	GWRFI-14-MW-31-SO	GWRFI-14-MW-36-SO	GWRFI-14-MW-39-SO	GWRFI-14-MW-70-SO
				Date Sampled	12/04/2014	11/17/2014	11/20/2014	12/10/2014	12/10/2014	12/04/2014	11/19/2014
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Ethylbenzene	100-41-4	UG/L	15		<0.5	<0.5	<0.5	**310**	**1**	<0.5	<0.5
Chlorobenzene	108-90-7	UG/L	170		<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5
Xylenes	1330-20-7	UG/L	210		<0.5	<0.5	<0.5	**470**	**3**	<0.5	<0.5
Carbon Tetrachloride	56-23-5	UG/L	1.8		<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5
Chloroform	67-66-3	UG/L	3.6		<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5
Benzene	71-43-2	UG/L	6.9		<0.5	<0.5	<0.5	**190000**	**26**	<0.5	**8**
Naphthalene	91-20-3	UG/L	20		**0.3 J**	<0.1	<0.1	**390**	<0.1	<0.1	<0.1

Notes:
1 - Constituents detected above VISLs in Table 6.8
2 - EPA Vapor Intrusion Screening Levels for Commercial/Industrial Land Use (June 2015) (based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)

Table 6.10
Summary of Groundwater-to-Indoor Air Exceedance Locations
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	EPA VISL Com/Ind[2]	Location ID	MW-72-SO	MW-72-SO	MW-73-SO	MW-75-SO	MW-76-SO	MW-77-SO	MW-86-SO
				Field Sample ID	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D	GWRFI-14-MW-73-SO	GWRFI-14-MW-75-SO	GWRFI-14-MW-76-SO	GWRFI-14-MW-77-SO	GWRFI-14-MW-86-SO
				Date Sampled	11/21/2014	11/21/2014	12/03/2014	12/03/2014	12/10/2014	12/08/2014	11/21/2014
				Sample Purpose	FS	DUP	FS	FS	FS	FS	FS
Ethylbenzene	100-41-4	UG/L	15		<0.5	<0.5	**23**	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	108-90-7	UG/L	170		<0.5	<0.5	<3	<0.5	<0.5	<0.5	<0.5
Xylenes	1330-20-7	UG/L	210		<0.5	<0.5	**16**	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride	56-23-5	UG/L	1.8		<0.5	<0.5	<3	<0.5	<0.5	<0.5	<0.5
Chloroform	67-66-3	UG/L	3.6		<0.5	<0.5	<3	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	UG/L	6.9		<0.5	<0.5	**5700**	<0.5	**6**	<0.5	<0.5
Naphthalene	91-20-3	UG/L	20		<0.1	<0.1	**2800**	**0.3 J**	**0.5 J**	<0.1	<0.1

Notes:
1 - Constituents detected above VISLs in Table 6.8
2 - EPA Vapor Intrusion Screening Levels for Commercial/Industrial
Land Use (June 2015) (based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)

Table 6.10
Summary of Groundwater-to-Indoor Air Exceedance Locations
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	EPA VISL Com/Ind[2]	Location ID	MW-87-SO	MW-88	MW-89	MW-89	SLM-11	SLM-11	SLM-12	SLM-13
				Field Sample ID	GWRFI-14-MW-87-SO	GWRFI-14-MW-88	GWRFI-14-MW-89	GWRFI-14-MW-89-D	P4G-0713-SLM-11	P4G-0713-SLM-11-D	P4G-0713-SLM-12	P4G-0713-SLM-13
				Date Sampled	11/21/2014	12/10/2014	12/10/2014	12/10/2014	07/22/2013	07/22/2013	07/22/2013	07/22/2013
				Sample Purpose	FS	FS	FS	DUP	FS	DUP	FS	FS
Ethylbenzene	100-41-4	UG/L	15		<0.5	<0.5	<0.5	<0.5	**1700**	**1500**	**9**	**1 J**
Chlorobenzene	108-90-7	UG/L	170		<0.5	<0.5	<0.5	<0.5	**720**	**600**	**960**	**110**
Xylenes	1330-20-7	UG/L	210		<0.5	<0.5	<0.5	<0.5	**7000**	**6500**	**46**	**6**
Carbon Tetrachloride	56-23-5	UG/L	1.8		<0.5	<0.5	<0.5	<0.5	<3	<5	<1	<1
Chloroform	67-66-3	UG/L	3.6		<0.5	<0.5	<0.5	<0.5	<2	<4	<0.8	<0.8
Benzene	71-43-2	UG/L	6.9		<0.5	<0.5	<0.5	<0.5	**4 J**	**4 J**	**3 J**	**1 J**
Naphthalene	91-20-3	UG/L	20		<0.1	<0.1	<0.1	<0.1				

Notes:
1 - Constituents detected above VISLs in Table 6.8
2 - EPA Vapor Intrusion Screening Levels for Commercial/Industrial
Land Use (June 2015) (based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)

Table 6.10
Summary of Groundwater-to-Indoor Air Exceedance Locations
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	EPA VISL Com/Ind[2]	Location ID	SLM-2	SLM-3	SLM-4	SLM-5	SLM-8	SWMU148-1	SWMU150-1	SWMU150-2
				Field Sample ID	P4G-0713-SLM-2	P4G-0713-SLM-3	P4G-0713-SLM-4	P4G-0713-SLM-5	P4G-0713-SLM-8	GW1113-SWMU148-1	GW1113-SWMU150-1	GW1113-SWMU150-2
				Date Sampled	07/22/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	12/18/2013	12/05/2013	12/05/2013
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Ethylbenzene	100-41-4	UG/L	15		**970**	**46 J**	**2 J**	**2 J**	**230**	**54**	**1 J**	<0.8
Chlorobenzene	108-90-7	UG/L	170		**74**	<8	<0.8	**4 J**	**240**	**1200**	<0.8	<0.8
Xylenes	1330-20-7	UG/L	210		**2800**	**240**	**7**	**6**	**3600**	**490**	**4 J**	**1 J**
Carbon Tetrachloride	56-23-5	UG/L	1.8		<3	<10	<1	<1	<3	<1	<1	<1
Chloroform	67-66-3	UG/L	3.6		<2	<8	<0.8	<0.8	<2	<0.8	<0.8	<0.8
Benzene	71-43-2	UG/L	6.9		**2 J**	<5	<0.5	<0.5	<1	**1500**	**5**	**3 J**
Naphthalene	91-20-3	UG/L	20							**15000**	**22**	**24**

Notes:
1 - Constituents detected above VISLs in Table 6.8
2 - EPA Vapor Intrusion Screening Levels for Commercial/Industrial
Land Use (June 2015) (based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)

Table 6.10
Summary of Groundwater-to-Indoor Air Exceedance Locations
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	EPA VISL Com/Ind[2]	Location ID	SWMU158-1	SWMU158-2	SWMU58-1	SWMU58-2
				Field Sample ID	GW1113-SWMU158-1	GW1113-SWMU158-2	GW1113-SWMU58-1	GW1113-SWMU58-2
				Date Sampled	12/05/2013	12/05/2013	12/17/2013	12/17/2013
				Sample Purpose	FS	FS	FS	FS
Ethylbenzene	100-41-4	UG/L	15		**1 J**	**130**		
Chlorobenzene	108-90-7	UG/L	170		<0.8	<4		
Xylenes	1330-20-7	UG/L	210		**5**	**540**		
Carbon Tetrachloride	56-23-5	UG/L	1.8		<1	<5		
Chloroform	67-66-3	UG/L	3.6		<0.8	<4		
Benzene	71-43-2	UG/L	6.9		**7**	**1200**	**0.7 J**	**5**
Naphthalene	91-20-3	UG/L	20		**19**	**5200**		

Notes:
1 - Constituents detected above VISLs in Table 6.8
2 - EPA Vapor Intrusion Screening Levels for Commercial/Industrial
Land Use (June 2015) (based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1)

Table 6.11
Summary of Building 299 Soil Gas Analytical Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	Units	EPA VISL	Location	B299AMBIENT1	B299AMBIENT2	B299SG1	B299SG2	B299SG2	B299SG3	B299SG4	B299SG7	B299SG8
			Date	10/29/10	10/29/10	10/29/10	10/29/10	10/29/10	10/29/10	10/29/10	10/29/10	10/29/10
			Top (ft)	0	0	4.5	4.5	4.5	4.5	4.5	4.5	4.5
			Bottom (ft)	0	0	5	5	5	5	5	5	5
			Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS	FS
1,1,1-TRICHLOROETHANE	UG/M3	73000		<1.1	<2.1	<2.6	34	35	93	1700	620	<4.1
1,1,2-TRICHLOROTRIFLUOROETHAI	UG/M3	440000		0.66 J	<3	<3.6	<15	<6.1	0.78 J	<120	<45	<5.8
1,1-DICHLOROETHANE	UG/M3	260		<0.81	<1.6	<1.9	<8.1	<3.2	<1.2	1400	890	9
1,1-DICHLOROETHENE	UG/M3	2900		<0.79	<1.5	<1.9	<7.9	<3.2	<1.2	190	18 J	3
1,2,4-TRIMETHYLBENZENE	UG/M3	100		<0.98	<1.9	2 J	230	430	4.4	<79	<29	1.3 J
1,2-DICHLOROETHANE	UG/M3	16		<0.81	<1.6	<1.9	<8.1	<3.2	<1.2	<65	<24	1.6 J
1,3,5-TRIMETHYLBENZENE	UG/M3	No Value		<0.98	<1.9	<2.3	170	230	1.3 J	32 J	<29	<3.7
1,3-BUTADIENE	UG/M3	14		<0.44	<0.86	0.73 J	<4.4	<1.8	<0.66	<35	<13	<1.7
ACETONE	UG/M3	450000		6.3 J	8.6 J	79	620	170	87	5200	1800	280
BENZENE	UG/M3	52		0.46 J	0.32 J	3.4	9.4	7.5	0.98	370	15 J	5.6
CARBON DISULFIDE	UG/M3	10000		0.39 J	<3	7.8	5.3 J	3.8 J	0.86 J	46 J	110	7.4
CARBON TETRACHLORIDE	UG/M3	68		0.57 J	<2.5	<3	<13	<5	1.3 J	<100	<37	9.1
CHLOROFORM	UG/M3	18		<0.98	<1.9	<2.3	3.5 J	3.3 J	18	<78	43	7.6
CYCLOHEXANE	UG/M3	88000		0.88	0.45 J	12	38	15	30	320	56	44
DICHLORODIFLUOROMETHANE	UG/M3	1500		2.6	2.4 J	2.6 J	<25	<9.9	<3.7	<200	<73	37
ETHYL CHLORIDE	UG/M3	150000		<1.3	<2.6	<3.1	<13	<5.3	<2	170	<39	<5
ETHYLBENZENE	UG/M3	160		0.38 J	<1.7	5.9	44	29	1.1 J	<70	<26	3.6
META- AND PARA-XYLENE	UG/M3	1500		0.9 J	<4.2	17	150	85	4.4	<170	<64	9.3
METHYL CHLORIDE	UG/M3	1300		1.2	1.2 J	1.5 J	<10	<4.1	0.36 J	<83	10 J	2.7 J
METHYL ETHYL KETONE	UG/M3	73000		0.75 J	1.2 J	9.7	160	49	11	1800	660	43
METHYL ISOBUTYL KETONE	UG/M3	44000		<2	<4	3 J	<20	<8.2	<3.1	<160	<61	3.4 J
METHYLENE CHLORIDE	UG/M3	8800		1.2 B	1.6 B	8.6	6.8 J	2.7 B	1.2 B	56 J	24 J	7.5
ORTHO-XYLENE	UG/M3	1500		0.27 J	<1.7	4.7	68	41	2.6	53 J	7.8 J	2.6 J
STYRENE	UG/M3	15000		<0.85	<1.7	0.57 J	5.4 J	4.3	<1.3	<68	<25	<3.2
TETRACHLOROETHYLENE	UG/M3	580		0.66 J	<2.6	13	85	130	94	<110	<40	8
TOLUENE	UG/M3	73000		3.3	<1.5	69	100	72	140	35 J	40	76
TRICHLOROETHENE	UG/M3	29		<1.1	<2.1	0.53 J	<11	<4.3	<1.6	<86	150	<4.1
TRICHLOROFLUOROMETHANE	UG/M3	10000		1.4	1.3 J	2.5 J	<11	1.9 J	1.8	<90	<33	2.2 J
VINYL CHLORIDE	UG/M3	93		<0.51	<1	<1.2	<5.1	<2	<0.77	38 J	<15	0.87 J
4-ETHYLTOLUENE	UG/M3	No Value		<0.98	<1.9	<2.3	7.5 J	7.8	0.63 J	<79	<29	<3.7

Yellow indicates exceedance of EPA VISL
Orange shading indicates detection limit above the screening criteria

Gases (Heptane, hexane, etc.) not included
^ and shaded cells = Concentration above criteria (NDs assumed to be 50% reporting limit
< and ND = Non detect at stated reporting limit

Table 6.12
Summary of Johnson and Ettinger Model Results - Building 299
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Constituents Above Generic Risk-Based Screening Levels	Maximum Detection (ug/m^3)		Warehouse with Office Extension			Office Extension Only	
			J&E Model Calculated Risk	J&E Model Calculated HQ		J&E Model Calculated Risk	J&E Model Calculated HQ
1,1-Dichloroethane	1400		4.E-09	-		9.E-09	-
1,2,4-Trimethylbenzene	430		-	0.0003		-	0.0007
Benzene	370		5.E-09	0.00006		1.E-08	0.0002
Chloroform	43		2.E-09	0.000002		4.E-09	0.000005
Trichloroethene	150		1.E-09	0.0004		3.E-09	0.0009
Tetrachloroethylene	130		6.E-11	0.00002		1.E-10	0.00004
Vinyl chloride	38		6.E-10	0.000002		1.E-09	0.000005
		Sum	*1.E-08*	*0.0007*		*3.E-08*	*0.002*

Model Assumptions

Default J&E Model Parameters with the exception of the following:

- Slab on grade
- Depth to soil gas sample 5 feet (152.4 cm)
- Soil type - Loam (fill beneath building is silty sand)
- Building Dimensions 171' x 61' x 10'
- Office Extension Only Dimensions 30' x 40' x 10'
- ACH of 1 per hour

HQ - hazard quotient
ug/m^3 - micrograms per meter cubed

Table 6.13
Building-Specific Groundwater-to-Indoor Air Evaluation
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte Above VISL	Units	Site-Specific Screening Level[1]										
		Building No.										
		MDA Area[2]			SWMU 148/SLM Area[3]				SWMU 158 Area[4]			
		Max Detect	285	302	Max Detect	71	73	216	Max Detect	243	322	336
Benzene	ug/L	8	1689	1830	1500 (a)	2292	1440	7620	1200	1887	1944	2442
Carbon tetrachloride	ug/L	100	429	462		-	-	-		-	-	-
Chlorobenzene	ug/L		-	-	1200	567000	360000	NOC		-	-	-
Chloroform	ug/L	77	759	840		-	-	-		-	-	-
Ethylbenzene	ug/L		-	-	1700	6360	4110	20730	130	5280	5430	6750
Naphthalene	ug/L		-	-		-	-	-	5200	6450	6690	8700
Xylenes	ug/L		-	-	7000	-	-	NOC	540	NOC	NOC	NOC

Notes:

NOC - not of a concern, the groundwater concentration at or above the solubility limit is not a concern for this pathway.

- Not a COPC for the building

1 - The current version of the EPA spreadsheets does not have an input for the number of hours per day, however, 24 hr/day is implicit in the model. Therefore, each model output was multiplied by 3 to adjust the exposure rate for an industrial worker from the assumed value of 24 hr/day to a 8 hr/day exposure (workers in some of these buildings are present less than 4 hours per work shift).

2 - Wells MW-70-SO, MDA-3, MDA-4, MDA-5

3 - Wells SLM series and SWMU 148-1

(a) Benzene max is 4 ug/L adjacent to Building 73

4 - Wells SWMU158-1 and SWMU158-2

Table 6.14
Groundwater-to-Surface Water Discharge Evaluation
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Shallow Overburden

Analyte[1]	CAS No.	Units	Filtered	No. of Samples	No. of Detects	Number Of Detected Locations	Minimum Detect	Maximum Detect	Location Of Maximum Result	Human Health			Aquatic Life			GW to SW Criteria (10 X WQC)[3]	Source	Max Exceeds Screening Criteria?	Modeled Conc. In Kanawha River[5]	Conc. > WQS
										West Virginia WQS (47CSR2) for Human Health Category C	National Ambient Water Quality Criteria (AWQC)	Other Source[4]	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Region III BTAG Freshwater Screening Benchmarks	Other Source[4]					
Volatile Organic Compounds																				
1,1-Dichloroethane	75-34-3	UG/L	N	17	2	2	7.00E-01	1.00E+00	MW-75-SO					4.70E+01		4.70E+02	AQ	No	-	-
1,2-Dichlorobenzene	95-50-1	UG/L	N	30	4	3	2.00E+00	1.90E+02	SLM-8	1.70E+01				7.00E-01		7.00E+00	AQ	**Yes**	2.39E-03	No
1,4-Dichlorobenzene	106-46-7	UG/L	N	30	2	2	3.00E+00	3.00E+00	SLM-8	2.60E+00						2.60E+01	HH	No	-	-
1,4-Dioxane	123-91-1	UG/L	N	13	8	7	1.00E+00	5.00E+00	MW-76-SO						2.20E+04	2.20E+05	AQ	No	-	-
Acetone	67-64-1	UG/L	N	17	2	2	1.20E+01	1.30E+01	MW-24-SO					1.50E+03		1.50E+04	AQ	No	-	-
Benzene	71-43-2	UG/L	N	17	8	7	1.00E+00	1.90E+05	MW-31-SO	5.10E+01				3.70E+02		5.10E+02	HH	**Yes**	2.39E+00	No
Chlorobenzene	108-90-7	UG/L	N	17	4	3	1.10E+02	7.20E+02	SLM-11	2.10E+01				1.30E+00		1.30E+01	AQ	**Yes**	9.07E-03	No
Ethylbenzene	100-41-4	UG/L	N	17	8	7	1.00E+00	1.70E+03	SLM-11	2.90E+01				9.00E+01		2.90E+02	AQ	**Yes**	2.14E-02	No
Formaldehyde	50-00-0	UG/L	N	13	12	12	2.30E+01	1.70E+03	MW-24-SO						1.61E+03	1.61E+04	AQ	No	-	-
Methyl Ethyl Ketone	78-93-3	UG/L	N	17	1	1	6.00E+00	6.00E+00	MW-24-SO					1.40E+04		1.40E+05	AQ	No	-	-
Toluene	108-88-3	UG/L	N	17	5	4	1.00E+00	1.50E+03	MW-31-SO	2.00E+02				2.00E+00		2.00E+01	AQ	**Yes**	1.89E-02	No
Xylenes	1330-20-7	UG/L	N	17	8	7	6.00E+00	7.00E+03	SLM-11					1.30E+01		1.30E+02	AQ	**Yes**	8.82E-02	No
Semivolatile Organic Compounds																				
2,4-Dimethylphenol	105-67-9	UG/L	N	13	3	3	9.00E-01	1.60E+02	MW-31-SO	2.30E+03						2.30E+04	HH	No	-	-
2-Chloronaphthalene	91-58-7	UG/L	N	13	1	1	1.70E+01	1.70E+01	MW-77-SO			7.50E+02				7.50E+03	HH	No	-	-
2-Methylnaphthalene	91-57-6	UG/L	N	13	4	4	5.00E+00	7.80E+01	MW-73-SO					4.70E+00		4.70E+01	AQ	**Yes**	9.83E-04	No
2-Methylphenol (O-Cresol)	95-48-7	UG/L	N	13	3	3	1.30E+01	2.80E+02	MW-31-SO					1.30E+01		1.30E+02	AQ	**Yes**	3.53E-03	No
2-Picoline	109-06-8	UG/L	N	13	2	2	1.70E+01	7.50E+01	MW-25-SO			No Value			No Value	No Value	-	No	-	-
4-Methylphenol (P-Cresol)	106-44-5	UG/L	N	13	4	4	7.00E-01	1.50E+02	MW-31-SO					5.43E+02		5.43E+03	AQ	No	-	-
Acenaphthene	83-32-9	UG/L	N	13	5	5	1.00E+00	9.90E+01	MW-75-SO	9.90E+02				5.80E+00		5.80E+01	AQ	**Yes**	1.25E-03	No
Acenaphthylene	208-96-8	UG/L	N	13	5	5	2.00E-01	4.00E+00	MW-75-SO	9.90E+02				5.80E+00		5.80E+01	AQ	No	-	-
Acetophenone	98-86-2	UG/L	N	13	5	5	1.00E+00	2.10E+02	MW-31-SO			1.90E+02				1.90E+03	HH	No	-	-
Aniline	62-53-3	UG/L	N	13	1	1	5.00E+00	5.00E+00	MW-31-SO					2.20E+00		2.20E+01	AQ	No	-	-
Anthracene	120-12-7	UG/L	N	13	5	5	2.00E-01	2.00E+00	MW-73-SO	4.00E+04				1.20E-02		1.20E-01	AQ	**Yes**	2.52E-05	No
Benzo(A)Anthracene	56-55-3	UG/L	N	13	4	4	1.00E-01	1.00E+00	MW-73-SO	1.80E-02				1.80E-02		1.80E-01	AQ	**Yes**	1.26E-05	No
Benzo(B)Fluoranthene	205-99-2	UG/L	N	13	4	4	1.00E-01	1.00E+00	MW-73-SO	1.80E-02						1.80E-01	HH	**Yes**	1.26E-05	No
Benzo(G,H,I)Perylene	191-24-2	UG/L	N	13	3	3	2.00E-01	6.00E-01	MW-73-SO	4.00E+03				2.50E-02		2.50E-01	AQ	**Yes**	7.56E-06	No
Benzo(K)Fluoranthene	207-08-9	UG/L	N	13	3	3	1.00E-01	4.00E-01	MW-73-SO	1.80E-02						1.80E-01	HH	**Yes**	5.04E-06	No
Benzo[A]Pyrene	50-32-8	UG/L	N	13	3	3	2.00E-01	1.00E+00	MW-73-SO	1.80E-02				1.50E-02		1.50E-01	AQ	**Yes**	1.26E-05	No
Chrysene	218-01-9	UG/L	N	13	4	4	2.00E-01	1.00E+00	MW-73-SO	1.80E-02						1.80E-01	HH	**Yes**	1.26E-05	No
Dibenz(A,H)Anthracene	53-70-3	UG/L	N	13	1	1	2.00E-01	2.00E-01	MW-73-SO	1.80E-02						1.80E-01	HH	**Yes**	2.52E-06	No
Dibenzofuran	132-64-9	UG/L	N	13	5	5	7.00E-01	1.00E+01	MW-73-SO					3.70E+00		3.70E+01	AQ	No	-	-
Fluoranthene	206-44-0	UG/L	N	13	10	9	1.00E-01	5.00E+00	MW-73-SO	3.70E+02				4.00E-02		4.00E-01	AQ	**Yes**	6.30E-05	No
Fluorene	86-73-7	UG/L	N	13	7	7	3.00E-01	7.00E+00	MW-73-SO	5.30E+03				3.00E+00		3.00E+01	AQ	No	-	-
Indeno (1,2,3-CD) Pyrene	193-39-5	UG/L	N	13	3	3	1.00E-01	5.00E-01	MW-73-SO	1.80E-02						1.80E-01	HH	**Yes**	6.30E-06	No
Naphthalene	91-20-3	UG/L	N	13	6	6	3.00E-01	4.50E+03	MW-25-SO					1.10E+00		1.10E+01	AQ	**Yes**	5.67E-02	No
Phenanthrene	85-01-8	UG/L	N	13	7	7	2.00E-01	1.20E+01	MW-73-SO	4.00E+04						4.00E+05	HH	No	-	-
Phenol	108-95-2	UG/L	N	13	4	4	4.00E+00	6.30E+02	MW-31-SO	4.60E+06				4.00E+00		4.00E+01	AQ	**Yes**	7.94E-03	No
Pyrene	129-00-0	UG/L	N	13	10	9	1.00E-01	4.00E+00	MW-73-SO	4.00E+03				2.50E-02		2.50E-01	AQ	**Yes**	5.04E-05	No

Table 6.14
Groundwater-to-Surface Water Discharge Evaluation
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	Filtered	No. of Samples	No. of Detects	Number Of Detected Locations	Minimum Detect	Maximum Detect	Location Of Maximum Result	Human Health			Aquatic Life			GW to SW Criteria (10 X WQC)[3]	Source	Max Exceeds Screening Criteria?	Modeled Conc. In Kanawha River[5]	Conc. > WQS
										West Virginia WQS (47CSR2) for Human Health Category C	National Ambient Water Quality Criteria (AWQC)	Other Source[4]	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Region III BTAG Freshwater Screening Benchmarks	Other Source[4]					
Pyridine	110-86-1	UG/L	N	13	1	1	2.90E+01	2.90E+01	MW-31-SO					2.38E+03		2.38E+04	AQ	No	-	-
Inorganics																				
Antimony	7440-36-0	UG/L	N	13	6	5	8.30E-01	1.27E+01	MW-31-SO	4.30E+03				3.00E+01		3.00E+02	AQ	No	-	-
Antimony	7440-36-0	UG/L	Y	13	4	3	6.70E-01	2.20E+00	MW-39-SO	4.30E+03				3.00E+01		3.00E+02	AQ	No	-	-
Arsenic	7440-38-2	UG/L	N	13	12	11	1.70E+00	2.56E+02	MW-31-SO	1.00E+01			1.50E+02			1.00E+02	HH	**Yes**	3.23E-03	No
Arsenic	7440-38-2	UG/L	Y	13	9	9	1.20E+00	1.05E+02	MW-25-SO	1.00E+01			1.50E+02			1.00E+02	HH	**Yes**	1.32E-03	No
Barium	7440-39-3	UG/L	N	13	13	12	5.86E+01	3.52E+04	MW-31-SO		1.00E+03			4.00E+00		4.00E+01	AQ	**Yes**	4.44E-01	No
Barium	7440-39-3	UG/L	Y	13	13	12	4.89E+01	3.23E+03	MW-25-SO		1.00E+03			4.00E+00		4.00E+01	AQ	**Yes**	4.07E-02	No
Cadmium	7440-43-9	UG/L	N	13	2	2	4.50E-01	6.40E-01	MW-77-SO				4.20E-01			4.20E+00	AQ	No	-	-
Cadmium	7440-43-9	UG/L	Y	13	3	3	3.50E-01	4.60E-01	MW-23-SO				4.20E-01			4.20E+00	AQ	No	-	-
Chromium	7440-47-3	UG/L	N	13	13	12	1.50E+00	4.77E+02	MW-31-SO				7.40E+01			7.40E+02	AQ	No	-	-
Chromium	7440-47-3	UG/L	Y	13	12	11	1.60E+00	8.10E+00	MW-39-SO				7.40E+01			7.40E+02	AQ	No	-	-
Cobalt	7440-48-4	UG/L	N	13	6	5	2.20E+00	2.48E+02	MW-77-SO				6.00E-01			6.00E+00	AQ	**Yes**	3.12E-03	No
Cobalt	7440-48-4	UG/L	Y	13	2	2	4.40E+00	2.47E+02	MW-77-SO				6.00E-01			6.00E+00	AQ	**Yes**	3.11E-03	No
Copper	7440-50-8	UG/L	N	13	11	10	2.90E+00	2.95E+03	MW-31-SO		1.30E+03		8.95E+00			8.95E+01	AQ	**Yes**	3.72E-02	No
Copper	7440-50-8	UG/L	Y	13	2	2	4.20E+00	8.10E+00	MW-23-SO		1.30E+03		8.95E+00			8.95E+01	AQ	No	-	-
Lead	7439-92-1	UG/L	N	13	13	12	1.20E-01	2.41E+02	MW-31-SO				1.99E+00			1.99E+01	AQ	**Yes**	3.04E-03	No
Lead	7439-92-1	UG/L	Y	13	4	3	2.10E-01	1.50E+00	MW-27-SO				1.99E+00			1.99E+01	AQ	No	-	-
Mercury	7439-97-6	UG/L	N	13	3	3	5.90E-01	1.10E+00	MW-23-SO	1.50E-01				2.60E-02		2.60E-01	AQ	**Yes**	1.39E-05	No
Mercury	7439-97-6	UG/L	Y	13	1	1	1.70E-01	1.70E-01	MW-23-SO	1.50E-01				2.60E-02		2.60E-01	AQ	No	-	-
Nickel	7440-02-0	UG/L	N	13	8	7	1.70E+00	2.17E+03	MW-31-SO	4.60E+03			5.20E+01			5.20E+02	AQ	**Yes**	2.73E-02	No
Nickel	7440-02-0	UG/L	Y	13	7	6	1.70E+00	7.94E+01	MW-77-SO	4.60E+03			5.20E+01			5.20E+02	AQ	No	-	-
Selenium	7782-49-2	UG/L	N	13	8	7	5.70E-01	2.15E+01	MW-31-SO		4.20E+03		5.00E+00			5.00E+01	AQ	No	-	-
Selenium	7782-49-2	UG/L	Y	13	8	7	5.00E-01	4.20E+00	MW-76-SO		4.20E+03		5.00E+00			5.00E+01	AQ	No	-	-
Silver	7440-22-4	UG/L	N	13	1	1	1.21E+02	1.21E+02	MW-31-SO					3.20E+00		3.20E+01	AQ	**Yes**	1.52E-03	No
Thallium	7440-28-0	UG/L	N	13	1	1	1.40E+00	1.40E+00	MW-31-SO	6.30E+00						6.30E+01	HH	No	-	-
Tin	7440-31-5	UG/L	N	13	1	1	9.85E+01	9.85E+01	MW-31-SO					7.30E+01		7.30E+02	AQ	No	-	-
Vanadium	7440-62-2	UG/L	N	13	8	7	1.90E+00	1.73E+02	MW-31-SO					2.00E+01		2.00E+02	AQ	No	-	-
Vanadium	7440-62-2	UG/L	Y	13	2	2	2.40E+00	3.70E+00	MW-31-SO					2.00E+01		2.00E+02	AQ	No	-	-
Zinc	7440-66-6	UG/L	N	13	13	12	4.50E+00	1.19E+03	MW-31-SO		2.60E+04		1.18E+02			1.18E+03	AQ	**Yes**	1.50E-02	No
Zinc	7440-66-6	UG/L	Y	13	12	11	4.20E+00	1.12E+02	MW-77-SO		2.60E+04		1.18E+02			1.18E+03	AQ	No	-	-

Table 6.14
Groundwater-to-Surface Water Discharge Evaluation
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Deep Overburden

Analyte[1]	CAS No.	Units	Filtered	No. of Samples	No. of Detects	Number Of Detected Locations	Minimum Detect	Maximum Detect	Location Of Maximum Result	Human Health			Aquatic Life			GW to SW Criteria (10 X WQC)[3]	Source	Max Exceeds Screening Criteria?	Modeled Conc. In Kanawha River[5]	Conc. > WQS
										West Virginia WQS (47CSR2) for Human Health Category C	National Ambient Water Quality Criteria (AWQC)	Other Source[4]	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Region III BTAG Freshwater Screening Benchmarks	Other Source[4]					
Volatile Organic Compounds																				
1,1,2-Trichloroethane	79-00-5	UG/L	N	10	1	1	2	2	MW-19-DO					1.20E+03		1.20E+04	AQ	No	-	-
1,1-Dichloroethane	75-34-3	UG/L	N	10	4	4	2	9	MW-29-DO					4.70E+01		4.70E+02	AQ	No	-	-
1,1-Dichloroethene	75-35-4	UG/L	N	10	3	3	1	16	MW-29-DO	3.20E+00				2.50E+01		3.20E+01	HH	No	-	-
1,2-Dichloroethane	107-06-2	UG/L	N	10	4	4	1	6	MW-31-DO	9.90E+01				1.00E+02		9.90E+02	HH	No	-	-
1,4-Dioxane	123-91-1	UG/L	N	10	7	7	3	130	MW-29-DO						2.20E+04	2.20E+05	AQ	No	-	-
Acetone	67-64-1	UG/L	N	10	1	1	7	7	MW-21-DO					1.50E+03		1.50E+04	AQ	No	-	-
Benzene	71-43-2	UG/L	N	10	3	3	1	20	MW-21-DO	5.10E+01				3.70E+02		5.10E+02	HH	No	-	-
cis-1,2 Dichloroethene	156-59-2	UG/L	N	10	2	2	2	8	MW-29-DO			3.60E+00				3.60E+01	HH	No	-	-
Formaldehyde	50-00-0	UG/L	N	10	9	9	20	70	MW-29-DO						1.61E+03	1.61E+04	AQ	No	-	-
Methyl Ethyl Ketone	78-93-3	UG/L	N	10	1	1	12	12	MW-21-DO					1.40E+04		1.40E+05	AQ	No	-	-
trans-1,2-Dichloroethene	156-60-5	UG/L	N	10	1	1	0.6	0.6	MW-29-DO		1.00E+04			9.70E+02		9.70E+03	AQ	No	-	-
Trichloroethene	79-01-6	UG/L	N	10	2	2	4	4	MW-32-DO	8.10E+01				2.10E+01		2.10E+02	AQ	No	-	-
Vinyl Chloride	75-01-4	UG/L	N	10	4	4	0.5	4	MW-29-DO	5.25E+02				9.30E+02		5.25E+03	HH	No	-	-
Semivolatile Organic Compounds																				
2,4-Dimethylphenol	105-67-9	UG/L	N	10	2	2	7	7	MW-27-DO	2.30E+03						2.30E+04	HH	No	-	-
Fluoranthene	206-44-0	UG/L	N	10	1	1	0.3	0.3	MW-31-DO	3.70E+02				4.00E-02		4.00E-01	AQ	No	-	-
Pyrene	129-00-0	UG/L	N	10	1	1	0.3	0.3	MW-31-DO	4.00E+03				2.50E-02		2.50E-01	AQ	**Yes**	1.65E-06	No
Inorganics																				
Antimony	7440-36-0	UG/L	N	10	3	3	0.34	52.2	MW-20-DO	4.30E+03				3.00E+01		3.00E+02	AQ	No	-	-
Antimony	7440-36-0	UG/L	Y	10	2	2	0.46	2.6	MW-20-DO	4.30E+03				3.00E+01		3.00E+02	AQ	No	-	-
Arsenic	7440-38-2	UG/L	N	10	9	9	0.87	56.6	MW-19-DO	1.00E+01			1.50E+02			1.00E+02	HH	No	-	-
Arsenic	7440-38-2	UG/L	Y	10	3	3	2.9	41.7	MW-21-DO	1.00E+01			1.50E+02			1.00E+02	HH	No		
Barium	7440-39-3	UG/L	N	10	10	10	79.5	2920.0	MW-31-DO		1.00E+03			4.00E+00		4.00E+01	AQ	**Yes**	1.61E-02	No
Barium	7440-39-3	UG/L	Y	10	10	10	70.4	2920.0	MW-31-DO		1.00E+03			4.00E+00		4.00E+01	AQ	**Yes**	1.61E-02	No
Beryllium	7440-41-7	UG/L	N	10	2	2	3.5	4.3	MW-20-DO				1.30E+02			1.30E+03	AQ	No	-	-
Beryllium	7440-41-7	UG/L	Y	10	1	1	2.7	2.7	MW-21-DO				1.30E+02			1.30E+03	AQ	No	-	-
Cadmium	7440-43-9	UG/L	N	10	4	4	0.43	8.3	MW-20-DO				4.20E-01			4.20E+00	AQ	**Yes**	4.57E-05	No
Cadmium	7440-43-9	UG/L	Y	10	4	4	0.52	2.0	MW-20-DO				4.20E-01			4.20E+00	AQ	No	-	-
Chromium	7440-47-3	UG/L	N	10	9	9	1.6	42.6	MW-21-DO				7.40E+01			7.40E+02	AQ	No	-	-
Chromium	7440-47-3	UG/L	Y	10	5	5	1.8	40.5	MW-21-DO				7.40E+01			7.40E+02	AQ	No	-	-
Cobalt	7440-48-4	UG/L	N	10	6	6	1.2	121.0	MW-32-DO				6.00E-01			6.00E+00	AQ	**Yes**	6.66E-04	No
Cobalt	7440-48-4	UG/L	Y	10	4	4	4.1	129.0	MW-32-DO				6.00E-01			6.00E+00	AQ	**Yes**	7.10E-04	No
Copper	7440-50-8	UG/L	N	10	7	7	3.5	92.2	MW-20-DO		1.30E+03		8.95E+00			8.95E+01	AQ	**Yes**	5.07E-04	No
Copper	7440-50-8	UG/L	Y	10	2	2	3.2	23.3	MW-21-DO		1.30E+03		8.95E+00			8.95E+01	AQ	No	-	-
Lead	7439-92-1	UG/L	N	10	8	8	0.34	20.2	MW-20-DO				1.99E+00			1.99E+01	AQ	**Yes**	1.11E-04	No
Lead	7439-92-1	UG/L	Y	10	2	2	0.18	11.5	MW-21-DO				1.99E+00			1.99E+01	AQ	No	-	-
Mercury	7439-97-6	UG/L	N	10	1	1	44.6	44.6	MW-20-DO	1.50E-01				2.60E-02		2.60E-01	AQ	**Yes**	2.45E-04	No
Mercury	7439-97-6	UG/L	Y	10	1	1	0.088	0.088	MW-20-DO	1.50E-01				2.60E-02		2.60E-01	AQ	No	-	-
Nickel	7440-02-0	UG/L	N	10	4	4	2.7	53.1	MW-32-DO	4.60E+03			5.20E+01			5.20E+02	AQ	No	-	-
Nickel	7440-02-0	UG/L	Y	10	4	4	2.9	55.2	MW-32-DO	4.60E+03			5.20E+01			5.20E+02	AQ	No	-	-
Selenium	7782-49-2	UG/L	N	10	3	3	0.7	2.6	MW-20-DO		4.20E+03		5.00E+00			5.00E+01	AQ	No	-	-
Selenium	7782-49-2	UG/L	Y	10	2	2	0.62	1.3	MW-21-DO		4.20E+03		5.00E+00			5.00E+01	AQ	No	-	-
Silver	7440-22-4	UG/L	N	10	4	4	2.1	4.4	MW-20-DO					3.20E+00		3.20E+01	AQ	No	-	-

Table 6.14
Groundwater-to-Surface Water Discharge Evaluation
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Chemours Belle Plant Area, Belle, West Virginia

Analyte[1]	CAS No.	Units	Filtered	No. of Samples	No. of Detects	Number Of Detected Locations	Minimum Detect	Maximum Detect	Location Of Maximum Result	Human Health			Aquatic Life			GW to SW Criteria (10 X WQC)[3]	Source	Max Exceeds Screening Criteria?	Modeled Conc. In Kanawha River[5]	Conc. > WQS
										West Virginia WQS (47CSR2) for Human Health Category C	National Ambient Water Quality Criteria (AWQC)	Other Source[4]	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Region III BTAG Freshwater Screening Benchmarks	Other Source[4]					
Silver	7440-22-4	UG/L	Y	10	2	2	2.3	2.7	MW-20-DO					3.20E+00		3.20E+01	AQ	No	-	-
Tin	7440-31-5	UG/L	N	10	3	3	2.5	6.8	MW-20-DO					7.30E+01		7.30E+02	AQ	No	-	-
Vanadium	7440-62-2	UG/L	N	10	4	4	2.0	188.0	MW-21-DO					2.00E+01		2.00E+02	AQ	No	-	-
Vanadium	7440-62-2	UG/L	Y	10	2	2	2.6	161.0	MW-21-DO					2.00E+01		2.00E+02	AQ	No	-	-
Zinc	7440-66-6	UG/L	N	10	10	10	3.3	149.0	MW-20-DO		2.60E+04		1.18E+02			1.18E+03	AQ	No	-	-
Zinc	7440-66-6	UG/L	Y	10	9	9	14.2	87.1	MW-35-DO		2.60E+04		1.18E+02			1.18E+03	AQ	No	-	-

Kanawha River in the vicinity of the Belle Plant is designated by State of West Virginia
for the Propagation and Maintenance of Fish and Other Aquatic Life (Category B)
and for Water Contact Recreation (Category C).

NV - No value HH - Human Health AQ - Aquatic Life
ug/L - micrograms per liter

Notes:
1 - Detected constituents in groundwater samples collected during Phase IV RFI groundwater monitoring events (2012-2014)
2 - Sample counts includes field duplicates
3 - Screening criteria is the lower of the WQS - West Virginia Water Quality Standards as listed in 47CSR2, Appendix E.
Category C - Fish Consumption
Category B2 - Propagation and maintenance of fish and other AQ, trout waters.
Aquatic life criteria applicable to the dissolved fraction were also used to evaluate the total fraction
Defautl hardness value of 100 mg/L used to calculate WQS for chromium, copper, lead, nickel and zinc
If none exist then the following alternate sources were applied
National Recommended Water Quality Criteria for Human Health (Water and Organism)
EPA Tap Water SL
Region III BTAG Freshwater Screening Benchmarks
5 - Site-specific attenuation factor (Flow in River (1,960 cfs) x Mixing Fraction (0.3)/Flow in Aquifer (cfs))
Shallow Overburden Aquifer Flow 7.40E-03
Deep Overburden Aquifer Flow 2.97E-03
Shallow Overburden Attenuation Factor 7.94E+04
Deep Overburden Aquifer Flow 1.98E+05

Table 6.15
Summary of Kanawha River Surface Water Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	DOWNSTREAM1	DOWNSTREAM1	DOWNSTREAM1	DOWNSTREAM1
						Sample Name	BEL-W-DOWNSTREAM1(2-4)	BEL-W-DOWNSTREAM1(2-4)-DIS	BEL-W-DOWNSTREAM1(24-26)	BEL-W-DOWNSTREAM1(24-26)-DIS
						Date Sampled	06/23/2003	06/23/2003	06/23/2003	06/23/2003
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51						
Toluene	108-88-3	N	UG/L	29						
Xylenes	1330-20-7	N	UG/L	200						
Anthracene	120-12-7	N	UG/L	40000						
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018						
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018						
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018						
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value						
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018						
Chrysene	218-01-9	N	UG/L	0.018						
Fluoranthene	206-44-0	N	UG/L	370						
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018						
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018						
Phenanthrene	85-01-8	N	UG/L	No Value						
Pyrene	129-00-0	N	UG/L	4000						
Arsenic	7440-38-2	N	UG/L	10			<0.500 [ND]		<0.500 [ND]	
Arsenic	7440-38-2	Y	UG/L		150			<0.500 [ND]		<0.500 [ND]

Indicates an exceedance of screening criteria

Table 6.15
Summary of Kanawha River Surface Water Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	DOWNSTREAM1	DOWNSTREAM1	DOWNSTREAM1	DOWNSTREAM1
						Sample Name	BEL-W-DOWNSTREAM1(2-4)	BEL-W-DOWNSTREAM1(24-26)	BEL-W-DOWNSTREAM1(2-4)-DIS	BEL-W-DOWNSTREAM1(24-26)-DIS
						Date Sampled	07/10/2007	07/10/2007	07/10/2007	07/10/2007
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51			<0.5	<0.5		
Toluene	108-88-3	N	UG/L	29			<0.7	<0.7		
Xylenes	1330-20-7	N	UG/L	200			<0.8	<0.8		
Anthracene	120-12-7	N	UG/L	40000			<0.039	<0.040		
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018			<0.019	<0.020		
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018			<0.019	<0.020		
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018			<0.039	<0.040		
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value			<0.096	<0.099		
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018			<0.019	<0.020		
Chrysene	218-01-9	N	UG/L	0.018			<0.077	<0.079		
Fluoranthene	206-44-0	N	UG/L	370			<0.039	<0.040		
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018			<0.039	<0.040		
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018			<0.077	<0.079		
Phenanthrene	85-01-8	N	UG/L	No Value			<0.077	<0.079		
Pyrene	129-00-0	N	UG/L	4000			<0.17	<0.18		
Arsenic	7440-38-2	N	UG/L	10			<0.70	<0.70		
Arsenic	7440-38-2	Y	UG/L		150				<0.70	<0.70

Indicates an exceedance of screening criteria

Table 6.15
Summary of Kanawha River Surface Water Results
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Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	DOWNSTREAM2	DOWNSTREAM2	DOWNSTREAM2	DOWNSTREAM2
						Sample Name	BEL-W-DOWNSTREAM2(2-4)	BEL-W-DOWNSTREAM2(2-4)-DIS	BEL-W-DOWNSTREAM2(24-26)	BEL-W-DOWNSTREAM2(24-26)-DIS
						Date Sampled	06/23/2003	06/23/2003	06/23/2003	06/23/2003
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51						
Toluene	108-88-3	N	UG/L	29						
Xylenes	1330-20-7	N	UG/L	200						
Anthracene	120-12-7	N	UG/L	40000						
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018						
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018						
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018						
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value						
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018						
Chrysene	218-01-9	N	UG/L	0.018						
Fluoranthene	206-44-0	N	UG/L	370						
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018						
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018						
Phenanthrene	85-01-8	N	UG/L	No Value						
Pyrene	129-00-0	N	UG/L	4000						
Arsenic	7440-38-2	N	UG/L	10			<0.500 [ND]		<0.500 [ND]	
Arsenic	7440-38-2	Y	UG/L		150			<0.500 [ND]		<0.500 [ND]

Indicates an exceedance of screening criteria

Table 6.15
Summary of Kanawha River Surface Water Results
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Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	DOWNSTREAM2	DOWNSTREAM2	DOWNSTREAM2	DOWNSTREAM2
						Sample Name	BEL-W-DOWNSTREAM2(2-4)	BEL-W-DOWNSTREAM2(24-26)	BEL-W-DOWNSTREAM2(2-4)-DIS	BEL-W-DOWNSTREAM2(24-26)-DIS
						Date Sampled	07/10/2007	07/10/2007	07/10/2007	07/10/2007
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51			<0.5	<0.5		
Toluene	108-88-3	N	UG/L	29			<0.7	<0.7		
Xylenes	1330-20-7	N	UG/L	200			<0.8	<0.8		
Anthracene	120-12-7	N	UG/L	40000			<0.040	<0.041		
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018			<0.020	<0.020		
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018			<0.020	<0.020		
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018			<0.040	<0.041		
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value			<0.099	<0.10		
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018			<0.020	<0.020		
Chrysene	218-01-9	N	UG/L	0.018			<0.079	<0.081		
Fluoranthene	206-44-0	N	UG/L	370			<0.040	<0.041		
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018			<0.040	<0.041		
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018			<0.079	<0.081		
Phenanthrene	85-01-8	N	UG/L	No Value			<0.079	<0.081		
Pyrene	129-00-0	N	UG/L	4000			<0.18	<0.18		
Arsenic	7440-38-2	N	UG/L	10			<0.70	<0.70		
Arsenic	7440-38-2	Y	UG/L		150				<0.70	<0.70

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Table 6.15
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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	DOWNSTREAM3	DOWNSTREAM3	DOWNSTREAM3	DOWNSTREAM3
						Sample Name	BEL-W-DOWNSTREAM3(2-4)	BEL-W-DOWNSTREAM3(2-4)-DIS	BEL-W-DOWNSTREAM3(7-9)	BEL-W-DOWNSTREAM3(7-9)-DIS
						Date Sampled	06/23/2003	06/23/2003	06/23/2003	06/23/2003
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51						
Toluene	108-88-3	N	UG/L	29						
Xylenes	1330-20-7	N	UG/L	200						
Anthracene	120-12-7	N	UG/L	40000						
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018						
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018						
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018						
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value						
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018						
Chrysene	218-01-9	N	UG/L	0.018						
Fluoranthene	206-44-0	N	UG/L	370						
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018						
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018						
Phenanthrene	85-01-8	N	UG/L	No Value						
Pyrene	129-00-0	N	UG/L	4000						
Arsenic	7440-38-2	N	UG/L	10			<0.500 [ND]		<0.500 [ND]	
Arsenic	7440-38-2	Y	UG/L		150			<0.500 [ND]		<0.500 [ND]

Indicates an exceedance of screening criteria

Table 6.15
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Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	DOWNSTREAM3	DOWNSTREAM3	DOWNSTREAM3	DOWNSTREAM3
						Sample Name	BEL-W-DOWNSTREAM3(2-4)	BEL-W-DOWNSTREAM3(7-9)	BEL-W-DOWNSTREAM3(2-4)-DIS	BEL-W-DOWNSTREAM3(7-9)-DIS
						Date Sampled	07/10/2007	07/10/2007	07/10/2007	07/10/2007
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51			<0.5	<0.5		
Toluene	108-88-3	N	UG/L	29			<0.7	<0.7		
Xylenes	1330-20-7	N	UG/L	200			<0.8	<0.8		
Anthracene	120-12-7	N	UG/L	40000			<0.041	<0.039		
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018			<0.021	**0.023 J**		
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018			<0.021	**0.021 J**		
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018			<0.041	<0.039		
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value			<0.10	<0.098		
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018			<0.021	<0.020		
Chrysene	218-01-9	N	UG/L	0.018			<0.082	<0.078		
Fluoranthene	206-44-0	N	UG/L	370			<0.041	**0.084 J**		
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018			<0.041	<0.039		
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018			<0.082	<0.078		
Phenanthrene	85-01-8	N	UG/L	No Value			<0.082	<0.078		
Pyrene	129-00-0	N	UG/L	4000			<0.19	<0.18		
Arsenic	7440-38-2	N	UG/L	10			<0.70	<0.70		
Arsenic	7440-38-2	Y	UG/L		150				<0.70	<0.70

Indicates an exceedance of screening criteria

Table 6.15
Summary of Kanawha River Surface Water Results
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Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	DOWNSTREAM_1	DOWNSTREAM_1	DOWNSTREAM_2	DOWNSTREAM_2
						Sample Name	BEL-W-DOWNSTREAM_1(2-4)	BEL-W-DOWNSTREAM_1(24-26)	BEL-W-DOWNSTREAM_2(2-4)	BEL-W-DOWNSTREAM_2(24-26)
						Date Sampled	06/23/2003	06/23/2003	06/23/2003	06/23/2003
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51			<0.5 [U]	<0.5 [U]	<0.5 [U]	<0.5 [U]
Toluene	108-88-3	N	UG/L	29			<0.7 [U]	<0.7 [U]	<0.7 [U]	<0.7 [U]
Xylenes	1330-20-7	N	UG/L	200			<0.8 [U]	<0.8 [U]	<0.8 [U]	<0.8 [U]
Anthracene	120-12-7	N	UG/L	40000			<0.040 [U]	<0.040 [U]	<0.040 [U]	<0.040 [U]
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018			<0.020 [U]	<0.020 [U]	<0.020 [U]	<0.020 [U]
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018			<0.020 [U]	<0.020 [U]	<0.020 [U]	<0.020 [U]
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018			<0.040 [U]	<0.040 [U]	<0.040 [U]	<0.040 [U]
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value			<0.10 [U]	<0.10 [U]	<0.10 [U]	<0.10 [U]
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018			<0.020 [U]	<0.020 [U]	<0.020 [U]	<0.020 [U]
Chrysene	218-01-9	N	UG/L	0.018			<0.080 [U]	<0.080 [U]	<0.080 [U]	<0.080 [U]
Fluoranthene	206-44-0	N	UG/L	370			<0.040 [U]	<0.040 [U]	<0.040 [U]	<0.040 [U]
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018			<0.040 [U]	<0.040 [U]	<0.040 [U]	<0.040 [U]
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018			<0.080 [U]	<0.080 [U]	<0.080 [U]	<0.080 [U]
Phenanthrene	85-01-8	N	UG/L	No Value			<0.080 [U]	<0.080 [U]	<0.080 [U]	<0.080 [U]
Pyrene	129-00-0	N	UG/L	4000			<0.20 [U]	<0.20 [U]	<0.20 [U]	<0.20 [U]
Arsenic	7440-38-2	N	UG/L	10						
Arsenic	7440-38-2	Y	UG/L		150					

Indicates an exceedance of screening criteria

Table 6.15
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Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	DOWNSTREAM_3	DOWNSTREAM_3	MID_PLANT	MID_PLANT
						Sample Name	BEL-W-DOWNSTREAM_3(2-4)	BEL-W-DOWNSTREAM_3(7-9)	BEL-W-MID_PLANT(2-4)	BEL-W-MID_PLANT(16-18)
						Date Sampled	06/23/2003	06/23/2003	06/24/2003	06/24/2003
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51			<0.5 [U]	<0.5 [U]	<0.5 [U]	<0.5 [U]
Toluene	108-88-3	N	UG/L	29			<0.7 [U]	<0.7 [U]	**0.9**	<0.7 [U]
Xylenes	1330-20-7	N	UG/L	200			<0.8 [U]	<0.8 [U]	<0.8 [U]	<0.8 [U]
Anthracene	120-12-7	N	UG/L	40000			<0.040 [U]	<0.040 [U]	<0.040 [U]	<0.040 [U]
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018			<0.020 [U]	<0.020 [U]	<0.020 [U]	<0.020 [U]
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018			<0.020 [U]	<0.020 [U]	<0.020 [U]	<0.020 [U]
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018			<0.040 [U]	<0.040 [U]	<0.040 [U]	<0.040 [U]
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value			<0.10 [U]	<0.10 [U]	<0.10 [U]	<0.10 [U]
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018			<0.020 [U]	<0.020 [U]	<0.020 [U]	<0.020 [U]
Chrysene	218-01-9	N	UG/L	0.018			<0.080 [U]	<0.080 [U]	<0.080 [U]	<0.080 [U]
Fluoranthene	206-44-0	N	UG/L	370			<0.040 [U]	<0.040 [U]	<0.040 [U]	<0.040 [U]
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018			<0.040 [U]	<0.040 [U]	<0.040 [U]	<0.040 [U]
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018			<0.080 [U]	<0.080 [U]	<0.080 [U]	<0.080 [U]
Phenanthrene	85-01-8	N	UG/L	No Value			<0.080 [U]	<0.080 [U]	<0.080 [U]	<0.080 [U]
Pyrene	129-00-0	N	UG/L	4000			<0.20 [U]	<0.20 [U]	<0.18 [U]	<0.18 [U]
Arsenic	7440-38-2	N	UG/L	10						
Arsenic	7440-38-2	Y	UG/L		150					

Indicates an exceedance of screening criteria

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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	MID_PLANT	MID_PLANT	MID_PLANT	MID_PLANT	MIDPLANT
						Sample Name	BEL-W-MID_PLANT(2-4)	BEL-W-MID_PLANT(16-18)	BEL-W-MID_PLANT(2-4)-DIS	BEL-W-MID_PLANT(16-18)-DIS	BEL-W-MIDPLANT(2-4)
						Date Sampled	07/10/2007	07/10/2007	07/10/2007	07/10/2007	06/24/2003
						Sample Purpose	FS	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51			<0.5	<0.5			
Toluene	108-88-3	N	UG/L	29			<0.7	<0.7			
Xylenes	1330-20-7	N	UG/L	200			<0.8	<0.8			
Anthracene	120-12-7	N	UG/L	40000			<0.045	<0.049			
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018			<0.022	<0.025			
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018			<0.022	<0.025			
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018			<0.045	<0.049			
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value			<0.11	<0.12			
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018			<0.022	<0.025			
Chrysene	218-01-9	N	UG/L	0.018			<0.089	<0.099			
Fluoranthene	206-44-0	N	UG/L	370			<0.045	<0.049			
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018			<0.045	<0.049			
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018			<0.089	<0.099			
Phenanthrene	85-01-8	N	UG/L	No Value			<0.089	<0.099			
Pyrene	129-00-0	N	UG/L	4000			<0.20	<0.22			
Arsenic	7440-38-2	N	UG/L	10			<0.70	<0.70			<0.500 [ND]
Arsenic	7440-38-2	Y	UG/L		150				<0.70	<0.70	

Indicates an exceedance of screening criteria

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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	MIDPLANT	MIDPLANT	MIDPLANT	SEEP-RIVER_1
						Sample Name	BEL-W-MIDPLANT(2-4)-DIS	BEL-W-MIDPLANT(16-18)	BEL-W-MIDPLANT(16-18)-DIS	BEL-W-SEEP-RIVER_1(2-4)
						Date Sampled	06/24/2003	06/25/2003	06/25/2003	06/23/2003
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51						
Toluene	108-88-3	N	UG/L	29						
Xylenes	1330-20-7	N	UG/L	200						
Anthracene	120-12-7	N	UG/L	40000						
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018						
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018						
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018						
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value						
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018						
Chrysene	218-01-9	N	UG/L	0.018						
Fluoranthene	206-44-0	N	UG/L	370						
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018						
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018						
Phenanthrene	85-01-8	N	UG/L	No Value						
Pyrene	129-00-0	N	UG/L	4000						
Arsenic	7440-38-2	N	UG/L	10				**8.27**		<0.500 [ND]
Arsenic	7440-38-2	Y	UG/L		150		<0.500 [ND]		<0.500 [ND]	

Indicates an exceedance of screening criteria

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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SEEP-RIVER_1	SEEP-RIVER_1	SEEP-RIVER_1	SEEP-RIVER_2
						Sample Name	BEL-W-SEEP-RIVER_1(2-4)-DIS	BEL-W-SEEP-RIVER_1(6-8)	BEL-W-SEEP-RIVER_1(6-8)-DIS	BEL-W-SEEP-RIVER_2(2-4)
						Date Sampled	06/23/2003	06/23/2003	06/23/2003	06/23/2003
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51						
Toluene	108-88-3	N	UG/L	29						
Xylenes	1330-20-7	N	UG/L	200						
Anthracene	120-12-7	N	UG/L	40000						
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018						
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018						
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018						
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value						
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018						
Chrysene	218-01-9	N	UG/L	0.018						
Fluoranthene	206-44-0	N	UG/L	370						
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018						
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018						
Phenanthrene	85-01-8	N	UG/L	No Value						
Pyrene	129-00-0	N	UG/L	4000						
Arsenic	7440-38-2	N	UG/L	10				<0.500 [ND]		**0.51**
Arsenic	7440-38-2	Y	UG/L		150		<0.500 [ND]		<0.500 [ND]	

Indicates an exceedance of screening criteria

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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SEEP-RIVER_2	SEEP-RIVER_2	SEEP-RIVER_2	SEEP-RIVER_3
						Sample Name	BEL-W-SEEP-RIVER_2(2-4)-DIS	BEL-W-SEEP-RIVER_2(6-8)	BEL-W-SEEP-RIVER_2(6-8)-DIS	BEL-W-SEEP-RIVER_3(2-4)
						Date Sampled	06/23/2003	06/23/2003	06/23/2003	06/23/2003
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51						
Toluene	108-88-3	N	UG/L	29						
Xylenes	1330-20-7	N	UG/L	200						
Anthracene	120-12-7	N	UG/L	40000						
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018						
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018						
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018						
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value						
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018						
Chrysene	218-01-9	N	UG/L	0.018						
Fluoranthene	206-44-0	N	UG/L	370						
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018						
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018						
Phenanthrene	85-01-8	N	UG/L	No Value						
Pyrene	129-00-0	N	UG/L	4000						
Arsenic	7440-38-2	N	UG/L	10				<0.500 [ND]		<0.500 [ND]
Arsenic	7440-38-2	Y	UG/L		150		<0.500 [ND]		<0.500 [ND]	

Indicates an exceedance of screening criteria

Table 6.15
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Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SEEP-RIVER_3	SEEP-RIVER_3	SEEP-RIVER_3	SEEP_RIVER1
						Sample Name	BEL-W-SEEP-RIVER_3(2-4)-DIS	BEL-W-SEEP-RIVER_3(6-8)	BEL-W-SEEP-RIVER_3(6-8)-DIS	BEL-W-SEEP_RIVER1(2-4)-DIS
						Date Sampled	06/23/2003	06/23/2003	06/23/2003	07/10/2007
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51						
Toluene	108-88-3	N	UG/L	29						
Xylenes	1330-20-7	N	UG/L	200						
Anthracene	120-12-7	N	UG/L	40000						
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018						
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018						
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018						
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value						
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018						
Chrysene	218-01-9	N	UG/L	0.018						
Fluoranthene	206-44-0	N	UG/L	370						
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018						
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018						
Phenanthrene	85-01-8	N	UG/L	No Value						
Pyrene	129-00-0	N	UG/L	4000						
Arsenic	7440-38-2	N	UG/L	10				<0.500 [ND]		
Arsenic	7440-38-2	Y	UG/L		150		<0.500 [ND]		<0.500 [ND]	<0.70

Indicates an exceedance of screening criteria

Table 6.15
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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SEEP_RIVER1	SEEP_RIVER1	SEEP_RIVER1	SEEP_RIVER2	SEEP_RIVER2
						Sample Name	BEL-W-SEEP_RIVER1(6-8)-DIS	BEL-W-SEEP_RIVER1(2-4)	BEL-W-SEEP_RIVER1(6-8)	BEL-W-SEEP_RIVER2(2-4)-DIS	BEL-W-SEEP_RIVER2(2-4)
						Date Sampled	07/10/2007	07/10/2007	07/10/2007	07/10/2007	07/10/2007
						Sample Purpose	FS	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51				<0.5	<0.5		<0.5
Toluene	108-88-3	N	UG/L	29				<0.7	<0.7		<0.7
Xylenes	1330-20-7	N	UG/L	200				<0.8	<0.8		<0.8
Anthracene	120-12-7	N	UG/L	40000				<0.041	<0.045		<0.041
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018				<0.020	<0.022		<0.020
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018				<0.020	<0.022		<0.020
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018				<0.041	<0.045		<0.041
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value				<0.10	<0.11		<0.10
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018				<0.020	<0.022		<0.020
Chrysene	218-01-9	N	UG/L	0.018				<0.082	<0.090		<0.082
Fluoranthene	206-44-0	N	UG/L	370				<0.041	<0.045		<0.041
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018				<0.041	<0.045		<0.041
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018				<0.082	<0.090		<0.082
Phenanthrene	85-01-8	N	UG/L	No Value				<0.082	<0.090		<0.082
Pyrene	129-00-0	N	UG/L	4000				<0.18	<0.20		<0.18
Arsenic	7440-38-2	N	UG/L	10				<0.70	<0.70		<0.70
Arsenic	7440-38-2	Y	UG/L		150		<0.70			<0.70	

Indicates an exceedance of screening criteria

Table 6.15
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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SEEP_RIVER2	SEEP_RIVER2	SEEP_RIVER3	SEEP_RIVER3
						Sample Name	BEL-W-SEEP_RIVER2(6-8)-DIS	BEL-W-SEEP_RIVER2(6-8)	BEL-W-SEEP_RIVER3(2-4)-DIS	BEL-W-SEEP_RIVER3(6-8)-DIS
						Date Sampled	07/10/2007	07/10/2007	07/10/2007	07/10/2007
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51				<0.5		
Toluene	108-88-3	N	UG/L	29				<0.7		
Xylenes	1330-20-7	N	UG/L	200				<0.8		
Anthracene	120-12-7	N	UG/L	40000				<0.045		
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018				<0.023		
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018				<0.023		
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018				<0.045		
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value				<0.11		
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018				<0.023		
Chrysene	218-01-9	N	UG/L	0.018				<0.091		
Fluoranthene	206-44-0	N	UG/L	370				<0.045		
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018				<0.045		
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018				<0.091		
Phenanthrene	85-01-8	N	UG/L	No Value				<0.091		
Pyrene	129-00-0	N	UG/L	4000				<0.20		
Arsenic	7440-38-2	N	UG/L	10				<0.70		
Arsenic	7440-38-2	Y	UG/L		150		<0.70		<0.70	<0.70

Indicates an exceedance of screening criteria

Table 6.15
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Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SEEP_RIVER3	SEEP_RIVER3	SEEP_RIVER_1	SEEP_RIVER_1	SEEP_RIVER_2
						Sample Name	BEL-W-SEEP_RIVER3(2-4)	BEL-W-SEEP_RIVER3(6-8)	BEL-W-SEEP_RIVER_1(2-4)	BEL-W-SEEP_RIVER_1(6-8)	BEL-W-SEEP_RIVER_2(2-4)
						Date Sampled	07/10/2007	07/10/2007	06/23/2003	06/23/2003	06/23/2003
						Sample Purpose	FS	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51			**0.7 J**	**3 J**	**1**	<0.5 [U]	**0.6**
Toluene	108-88-3	N	UG/L	29			<0.7	<0.7	**1**	<0.7 [U]	**0.9**
Xylenes	1330-20-7	N	UG/L	200			<0.8	<0.8	<0.8 [U]	<0.8 [U]	<0.8 [U]
Anthracene	120-12-7	N	UG/L	40000			<0.047	<0.042	<0.040 [U]	<0.040 [U]	<0.040 [U]
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018			<0.023	<0.021	<0.020 [U]	<0.020 [U]	<0.020 [U]
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018			<0.023	<0.021	<0.020 [U]	<0.020 [U]	<0.020 [U]
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018			<0.047	<0.042	<0.040 [U]	<0.040 [U]	<0.040 [U]
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value			<0.12	<0.10	<0.10 [U]	<0.10 [U]	<0.10 [U]
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018			<0.023	<0.021	<0.020 [U]	<0.020 [U]	<0.020 [U]
Chrysene	218-01-9	N	UG/L	0.018			<0.093	<0.083	<0.080 [U]	<0.080 [U]	<0.080 [U]
Fluoranthene	206-44-0	N	UG/L	370			<0.047	<0.042	<0.040 [U]	<0.040 [U]	<0.040 [U]
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018			<0.047	<0.042	<0.040 [U]	<0.040 [U]	<0.040 [U]
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018			<0.093	<0.083	<0.080 [U]	<0.080 [U]	<0.080 [U]
Phenanthrene	85-01-8	N	UG/L	No Value			<0.093	<0.083	<0.080 [U]	<0.080 [U]	<0.080 [U]
Pyrene	129-00-0	N	UG/L	4000			<0.21	<0.19	<0.20 [U]	<0.20 [U]	<0.20 [U]
Arsenic	7440-38-2	N	UG/L	10			<0.70	<0.70			
Arsenic	7440-38-2	Y	UG/L		150						

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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SEEP_RIVER_2	SEEP_RIVER_3	SEEP_RIVER_3	SLM1	SLM1
						Sample Name	BEL-W-SEEP_RIVER_2(6-8)	BEL-W-SEEP_RIVER_3(2-4)	BEL-W-SEEP_RIVER_3(6-8)	BEL-W-SLM1(14-16)-DIS	BEL-W-SLM1(14-16)-DIS-DUP
						Date Sampled	06/23/2003	06/23/2003	06/23/2003	07/10/2007	07/10/2007
						Sample Purpose	FS	FS	FS	FS	DUP
Benzene	71-43-2	N	UG/L	51			**0.7**	<0.5 [U]	**0.8**		
Toluene	108-88-3	N	UG/L	29			**1**	<0.7 [U]	**1**		
Xylenes	1330-20-7	N	UG/L	200			<0.8 [U]	<0.8 [U]	<0.8 [U]		
Anthracene	120-12-7	N	UG/L	40000			<0.040 [U]	<0.040 [U]	<0.040 [U]		
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018			<0.020 [U]	<0.020 [U]	<0.020 [U]		
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018			<0.020 [U]	<0.020 [U]	<0.020 [U]		
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018			<0.040 [U]	<0.040 [U]	<0.040 [U]		
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value			<0.10 [U]	<0.10 [U]	<0.10 [U]		
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018			<0.020 [U]	<0.020 [U]	<0.020 [U]		
Chrysene	218-01-9	N	UG/L	0.018			<0.080 [U]	<0.080 [U]	<0.080 [U]		
Fluoranthene	206-44-0	N	UG/L	370			<0.040 [U]	<0.040 [U]	<0.040 [U]		
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018			<0.040 [U]	<0.040 [U]	<0.040 [U]		
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018			<0.080 [U]	<0.080 [U]	<0.080 [U]		
Phenanthrene	85-01-8	N	UG/L	No Value			<0.080 [U]	<0.080 [U]	<0.080 [U]		
Pyrene	129-00-0	N	UG/L	4000			<0.20 [U]	<0.20 [U]	<0.20 [U]		
Arsenic	7440-38-2	N	UG/L	10							
Arsenic	7440-38-2	Y	UG/L		150					<0.70	<0.70

Indicates an exceedance of screening criteria

Table 6.15
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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SLM1	SLM1	SLM1	SLM1	SLM2	SLM2
						Sample Name	BEL-W-SLM1(14-16)	BEL-W-SLM1(14-16)-DUP	BEL-W-SLM1(2-4)	BEL-W-SLM1(2-4)-DIS	BEL-W-SLM2(2-4)	BEL-W-SLM2(2-4)-DIS
						Date Sampled	07/10/2007	07/10/2007	07/10/2007	07/10/2007	07/10/2007	07/10/2007
						Sample Purpose	FS	DUP	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51			<0.5	<0.5	<0.5		<0.5	
Toluene	108-88-3	N	UG/L	29			<0.7	<0.7	<0.7		<0.7	
Xylenes	1330-20-7	N	UG/L	200			<0.8	<0.8	<0.8		<0.8	
Anthracene	120-12-7	N	UG/L	40000			<0.039	<0.039	<0.045		<0.042	
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018			<0.020	<0.020	<0.022		<0.021	
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018			<0.020	<0.020	<0.022		<0.021	
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018			<0.039	<0.039	<0.045		<0.042	
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value			<0.098	<0.098	<0.11		<0.11	
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018			<0.020	<0.020	<0.022		<0.021	
Chrysene	218-01-9	N	UG/L	0.018			<0.078	<0.079	<0.090		<0.085	
Fluoranthene	206-44-0	N	UG/L	370			<0.039	<0.039	<0.045		<0.042	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018			<0.039	<0.039	<0.045		<0.042	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018			<0.078	<0.079	<0.090		<0.085	
Phenanthrene	85-01-8	N	UG/L	No Value			<0.078	<0.079	<0.090		<0.085	
Pyrene	129-00-0	N	UG/L	4000			<0.18	<0.18	<0.20		<0.19	
Arsenic	7440-38-2	N	UG/L	10			<0.70	**0.89 J**	<0.70		<0.70	
Arsenic	7440-38-2	Y	UG/L		150					<0.70		<0.70

Indicates an exceedance of screening criteria

Table 6.15
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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SLM2	SLM2	SLM3	SLM3	SLM3	SLM3
						Sample Name	BEL-W-SLM2(16-18)	BEL-W-SLM2(16-18)-DIS	BEL-W-SLM3(2-4)	BEL-W-SLM3(2-4)-DIS	BEL-W-SLM3(13-15)	BEL-W-SLM3(13-15)-DIS
						Date Sampled	07/10/2007	07/10/2007	07/10/2007	07/10/2007	07/10/2007	07/10/2007
						Sample Purpose	FS	FS	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51			<0.5		<0.5		<0.5	
Toluene	108-88-3	N	UG/L	29			<0.7		<0.7		<0.7	
Xylenes	1330-20-7	N	UG/L	200			<0.8		<0.8		<0.8	
Anthracene	120-12-7	N	UG/L	40000			**0.079 J**		<0.039		<0.046	
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018			**0.50**		<0.020		<0.023	
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018			**0.47**		<0.020		<0.023	
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018			**0.49**		<0.039		<0.046	
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value			**0.54 J**		<0.098		<0.12	
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018			**0.26**		<0.020		<0.023	
Chrysene	218-01-9	N	UG/L	0.018			**0.52**		<0.078		<0.092	
Fluoranthene	206-44-0	N	UG/L	370			**0.46**		<0.039		<0.046	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018			**0.063 J**		<0.039		<0.046	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018			**0.34 J**		<0.078		<0.092	
Phenanthrene	85-01-8	N	UG/L	No Value			**0.12 J**		<0.078		<0.092	
Pyrene	129-00-0	N	UG/L	4000			**0.54 J**		<0.18		<0.21	
Arsenic	7440-38-2	N	UG/L	10			**2**		<0.70		<0.70	
Arsenic	7440-38-2	Y	UG/L		150			<0.70		<0.70		<0.70

Indicates an exceedance of screening criteria

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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SLM_1	SLM_1	SLM_1	SLM_1	SLM_1
						Sample Name	BEL-W-SLM_1(2-4)	BEL-W-SLM_1(14-16)	BEL-W-SLM_1(14-16)-2	BEL-W-SLM_1(2-4)-DIS	BEL-W-SLM_1(14-16)-DIS
						Date Sampled	06/24/2003	06/24/2003	06/24/2003	06/24/2003	06/24/2003
						Sample Purpose	FS	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51			<0.5 [U]	<0.5 [U]	<0.5 [U]		
Toluene	108-88-3	N	UG/L	29			<0.7 [U]	<0.7 [U]	<0.7 [U]		
Xylenes	1330-20-7	N	UG/L	200			<0.8 [U]	<0.8 [U]	<0.8 [U]		
Anthracene	120-12-7	N	UG/L	40000							
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018							
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018							
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018							
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value							
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018							
Chrysene	218-01-9	N	UG/L	0.018							
Fluoranthene	206-44-0	N	UG/L	370							
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018							
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018							
Phenanthrene	85-01-8	N	UG/L	No Value							
Pyrene	129-00-0	N	UG/L	4000							
Arsenic	7440-38-2	N	UG/L	10			<0.500 [ND]	**0.53**			
Arsenic	7440-38-2	Y	UG/L		150					<0.500 [ND]	**0.924**

Indicates an exceedance of screening criteria

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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SLM_1	SLM_1	SLM_2	SLM_2	SLM_2
						Sample Name	BEL-W-SLM_1(14-16)-2	BEL-W-SLM_1(14-16)-2-DIS	BEL-W-SLM_2(2-4)	BEL-W-SLM_2(16-18)	BEL-W-SLM_2(2-4)-DIS
						Date Sampled	06/25/2003	06/25/2003	06/24/2003	06/24/2003	06/24/2003
						Sample Purpose	FS	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51					<0.5 [U]	<0.5 [U]	
Toluene	108-88-3	N	UG/L	29					<0.7 [U]	<0.7 [U]	
Xylenes	1330-20-7	N	UG/L	200					<0.8 [U]	<0.8 [U]	
Anthracene	120-12-7	N	UG/L	40000							
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018							
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018							
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018							
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value							
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018							
Chrysene	218-01-9	N	UG/L	0.018							
Fluoranthene	206-44-0	N	UG/L	370							
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018							
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018							
Phenanthrene	85-01-8	N	UG/L	No Value							
Pyrene	129-00-0	N	UG/L	4000							
Arsenic	7440-38-2	N	UG/L	10			<0.500 [ND]		<0.500 [ND]	<0.500 [ND]	
Arsenic	7440-38-2	Y	UG/L		150			<0.500 [ND]			<0.500 [ND]

Indicates an exceedance of screening criteria

Table 6.15
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Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SLM_2	SLM_3	SLM_3	SLM_3	SLM_3
						Sample Name	BEL-W-SLM_2(16-18)-DIS	BEL-W-SLM_3(2-4)	BEL-W-SLM_3(13-15)	BEL-W-SLM_3(2-4)-DIS	BEL-W-SLM_3(13-15)
						Date Sampled	06/24/2003	06/24/2003	06/24/2003	06/24/2003	06/24/2003
						Sample Purpose	FS	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51				<0.5 [U]	<0.5 [U]		
Toluene	108-88-3	N	UG/L	29				<0.7 [U]	<0.7 [U]		
Xylenes	1330-20-7	N	UG/L	200				<0.8 [U]	<0.8 [U]		
Anthracene	120-12-7	N	UG/L	40000				<0.040 [U]	<0.040 [U]		
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018				<0.020 [U]	<0.020 [U]		
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018				<0.020 [U]	<0.020 [U]		
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018				<0.040 [U]	<0.040 [U]		
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value				<0.10 [U]	<0.10 [U]		
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018				<0.020 [U]	<0.020 [U]		
Chrysene	218-01-9	N	UG/L	0.018				<0.080 [U]	<0.080 [U]		
Fluoranthene	206-44-0	N	UG/L	370				<0.040 [U]	**0.041**		
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018				<0.040 [U]	<0.040 [U]		
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018				<0.080 [U]	<0.080 [U]		
Phenanthrene	85-01-8	N	UG/L	No Value				<0.080 [U]	<0.080 [U]		
Pyrene	129-00-0	N	UG/L	4000				<0.17 [U]	<0.18 [U]		
Arsenic	7440-38-2	N	UG/L	10				<0.500 [ND]			<0.500 [ND]
Arsenic	7440-38-2	Y	UG/L		150		<0.500 [ND]			<0.500 [ND]	

Indicates an exceedance of screening criteria

Table 6.15
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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SLM_3	SSS_RIVER1	SSS_RIVER1	SSS_RIVER1	SSS_RIVER1
						Sample Name	BEL-W-SLM_3(13-15)-DIS	BEL-W-SSS_RIVER1(2-4)	BEL-W-SSS_RIVER1(2-4)-DIS	BEL-W-SSS_RIVER1(7-9)	BEL-W-SSS_RIVER1(7-9)-DIS
						Date Sampled	06/24/2003	07/10/2007	07/10/2007	07/10/2007	07/10/2007
						Sample Purpose	FS	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51				<0.5		<0.5	
Toluene	108-88-3	N	UG/L	29				<0.7		<0.7	
Xylenes	1330-20-7	N	UG/L	200				<0.8		<0.8	
Anthracene	120-12-7	N	UG/L	40000				<0.056		<0.054	
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018				<0.028		<0.027	
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018				<0.028		<0.027	
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018				<0.056		<0.054	
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value				<0.14		<0.14	
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018				<0.028		<0.027	
Chrysene	218-01-9	N	UG/L	0.018				<0.11		<0.11	
Fluoranthene	206-44-0	N	UG/L	370				<0.056		<0.054	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018				<0.056		<0.054	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018				<0.11		<0.11	
Phenanthrene	85-01-8	N	UG/L	No Value				<0.11		<0.11	
Pyrene	129-00-0	N	UG/L	4000				<0.25		<0.24	
Arsenic	7440-38-2	N	UG/L	10				<0.70		<0.70	
Arsenic	7440-38-2	Y	UG/L		150		<0.500 [ND]		<0.70		<0.70

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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SSS_RIVER2	SSS_RIVER2	SSS_RIVER2	SSS_RIVER2	SSS_RIVER3
						Sample Name	BEL-W-SSS_RIVER2(2-4)-DIS	BEL-W-SSS_RIVER2(8-10)-DIS	BEL-W-SSS_RIVER2(2-4)	BEL-W-SSS_RIVER2(8-10)	BEL-W-SSS_RIVER3(2-4)
						Date Sampled	07/10/2007	07/10/2007	07/10/2007	07/10/2007	07/10/2007
						Sample Purpose	FS	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51					<0.5	<0.5	**1 J**
Toluene	108-88-3	N	UG/L	29					<0.7	<0.7	<0.7
Xylenes	1330-20-7	N	UG/L	200					<0.8	<0.8	<0.8
Anthracene	120-12-7	N	UG/L	40000					<0.040	**0.098 J**	<0.053
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018					<0.020	**0.36**	<0.027
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018					<0.020	**0.38**	<0.027
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018					<0.040	**0.34**	<0.053
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value					<0.10	**0.54 J**	<0.13
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018					<0.020	**0.19**	<0.027
Chrysene	218-01-9	N	UG/L	0.018					<0.080	**0.40 J**	<0.11
Fluoranthene	206-44-0	N	UG/L	370					<0.040	**0.80**	<0.053
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018					<0.040	**0.089 J**	<0.053
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018					<0.080	**0.31 J**	<0.11
Phenanthrene	85-01-8	N	UG/L	No Value					<0.080	**0.33 J**	<0.11
Pyrene	129-00-0	N	UG/L	4000					<0.18	**0.89 J**	<0.24
Arsenic	7440-38-2	N	UG/L	10					<0.70	**1.2 J**	<0.70
Arsenic	7440-38-2	Y	UG/L		150		<0.70	<0.70			

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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SSS_RIVER3	SSS_RIVER3	SSS_RIVER3	SSS_RIVER4	SSS_RIVER4
						Sample Name	BEL-W-SSS_RIVER3(2-4)-DIS	BEL-W-SSS_RIVER3(6-8)	BEL-W-SSS_RIVER3(6-8)-DIS	BEL-W-SSS_RIVER4(2-4)-DIS	BEL-W-SSS_RIVER4(2-4)
						Date Sampled	07/10/2007	07/10/2007	07/10/2007	07/10/2007	07/10/2007
						Sample Purpose	FS	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51				<0.5			<0.5
Toluene	108-88-3	N	UG/L	29				<0.7			<0.7
Xylenes	1330-20-7	N	UG/L	200				<0.8			<0.8
Anthracene	120-12-7	N	UG/L	40000				<0.038			<0.044
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018				<0.019			<0.022
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018				<0.019			<0.022
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018				<0.038			<0.044
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value				<0.095			<0.11
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018				<0.019			<0.022
Chrysene	218-01-9	N	UG/L	0.018				<0.076			<0.087
Fluoranthene	206-44-0	N	UG/L	370				<0.038			<0.044
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018				<0.038			<0.044
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018				<0.076			<0.087
Phenanthrene	85-01-8	N	UG/L	No Value				<0.076			<0.087
Pyrene	129-00-0	N	UG/L	4000				<0.17			<0.20
Arsenic	7440-38-2	N	UG/L	10				<0.70			<0.70
Arsenic	7440-38-2	Y	UG/L		150		<0.70		<0.70	<0.70	

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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SSS_RIVER4	SSS_RIVER4	SSS_RIVER_1	SSS_RIVER_1	SSS_RIVER_1
						Sample Name	BEL-W-SSS_RIVER4(8-10)	BEL-W-SSS_RIVER4(8-10)-DIS	BEL-W-SSS_RIVER_1(2-4)	BEL-W-SSS_RIVER_1(7-9)	BEL-W-SSS_RIVER_1(2-4)-DIS
						Date Sampled	07/10/2007	07/10/2007	06/24/2003	06/24/2003	06/24/2003
						Sample Purpose	FS	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51			<0.5		<0.5 [U]	**1**	
Toluene	108-88-3	N	UG/L	29			<0.7		<0.7 [U]	**4**	
Xylenes	1330-20-7	N	UG/L	200			<0.8		<0.8 [U]	**3**	
Anthracene	120-12-7	N	UG/L	40000			<0.038		<0.040 [U]	<0.040 [U]	
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018			<0.019		<0.020 [U]	<0.020 [U]	
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018			<0.019		<0.020 [U]	<0.020 [U]	
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018			<0.038		<0.040 [U]	<0.040 [U]	
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value			<0.096		<0.10 [U]	<0.10 [U]	
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018			<0.019		<0.020 [U]	<0.020 [U]	
Chrysene	218-01-9	N	UG/L	0.018			<0.076		<0.080 [U]	<0.080 [U]	
Fluoranthene	206-44-0	N	UG/L	370			<0.038		<0.040 [U]	<0.040 [U]	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018			<0.038		<0.040 [U]	<0.040 [U]	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018			<0.076		<0.080 [U]	<0.080 [U]	
Phenanthrene	85-01-8	N	UG/L	No Value			<0.076		<0.080 [U]	<0.080 [U]	
Pyrene	129-00-0	N	UG/L	4000			<0.17		<0.20 [U]	<0.20 [U]	
Arsenic	7440-38-2	N	UG/L	10			**5.9**		<0.500 [ND]	<0.500 [ND]	
Arsenic	7440-38-2	Y	UG/L		150			<0.70			<0.500 [ND]

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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SSS_RIVER_1	SSS_RIVER_2	SSS_RIVER_2	SSS_RIVER_2
						Sample Name	BEL-W-SSS_RIVER_1(7-9)-DIS	BEL-W-SSS_RIVER_2(2-4)	BEL-W-SSS_RIVER_2(8-10)	BEL-W-SSS_RIVER_2(2-4)-DIS
						Date Sampled	06/24/2003	06/24/2003	06/24/2003	06/24/2003
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51				<0.5 [U]	<0.5 [U]	
Toluene	108-88-3	N	UG/L	29				<0.7 [U]	<0.7 [U]	
Xylenes	1330-20-7	N	UG/L	200				<0.8 [U]	<0.8 [U]	
Anthracene	120-12-7	N	UG/L	40000				<0.040 [U]	<0.040 [U]	
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018				<0.020 [U]	**0.057**	
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018				<0.020 [U]	**0.060**	
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018				<0.040 [U]	**0.062**	
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value				<0.10 [U]	<0.10 [U]	
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018				<0.020 [U]	**0.033**	
Chrysene	218-01-9	N	UG/L	0.018				<0.080 [U]	<0.080 [U]	
Fluoranthene	206-44-0	N	UG/L	370				<0.040 [U]	**0.15**	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018				<0.040 [U]	<0.040 [U]	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018				<0.080 [U]	<0.080 [U]	
Phenanthrene	85-01-8	N	UG/L	No Value				<0.080 [U]	**0.090**	
Pyrene	129-00-0	N	UG/L	4000				<0.20 [U]	<0.20 [U]	
Arsenic	7440-38-2	N	UG/L	10				<0.500 [ND]	<0.500 [ND]	
Arsenic	7440-38-2	Y	UG/L		150		<0.500 [ND]			<0.500 [ND]

Indicates an exceedance of screening criteria

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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SSS_RIVER_2	SSS_RIVER_3	SSS_RIVER_3	SSS_RIVER_3
						Sample Name	BEL-W-SSS_RIVER_2(8-10)-DIS	BEL-W-SSS_RIVER_3(2-4)	BEL-W-SSS_RIVER_3(6-8)	BEL-W-SSS_RIVER_3(2-4)-2
						Date Sampled	06/24/2003	06/24/2003	06/24/2003	06/24/2003
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51				<0.5 [U]	<0.5 [U]	<0.5 [U]
Toluene	108-88-3	N	UG/L	29				<0.7 [U]	<0.7 [U]	<0.7 [U]
Xylenes	1330-20-7	N	UG/L	200				<0.8 [U]	<0.8 [U]	<0.8 [U]
Anthracene	120-12-7	N	UG/L	40000				<0.040 [U]	<0.040 [U]	<0.040 [U]
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018				<0.020 [U]	<0.020 [U]	<0.020 [U]
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018				<0.020 [U]	<0.020 [U]	<0.020 [U]
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018				<0.040 [U]	<0.040 [U]	<0.040 [U]
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value				<0.10 [U]	<0.10 [U]	<0.10 [U]
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018				<0.020 [U]	<0.020 [U]	<0.020 [U]
Chrysene	218-01-9	N	UG/L	0.018				<0.080 [U]	<0.080 [U]	<0.080 [U]
Fluoranthene	206-44-0	N	UG/L	370				<0.040 [U]	<0.040 [U]	<0.040 [U]
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018				<0.040 [U]	<0.040 [U]	<0.040 [U]
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018				<0.080 [U]	<0.080 [U]	<0.080 [U]
Phenanthrene	85-01-8	N	UG/L	No Value				<0.080 [U]	<0.080 [U]	<0.080 [U]
Pyrene	129-00-0	N	UG/L	4000				<0.17 [U]	<0.18 [U]	<0.18 [U]
Arsenic	7440-38-2	N	UG/L	10				<0.500 [ND]	**0.77**	<0.500 [ND]
Arsenic	7440-38-2	Y	UG/L		150		<0.500 [ND]			

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Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SSS_RIVER_3	SSS_RIVER_3	SSS_RIVER_3	SSS_RIVER_4
						Sample Name	BEL-W-SSS_RIVER_3(2-4)-DIS	BEL-W-SSS_RIVER_3(6-8)-DIS	BEL-W-SSS_RIVER_3(2-4)-2-DIS	BEL-W-SSS_RIVER_4(2-4)
						Date Sampled	06/24/2003	06/24/2003	06/24/2003	06/24/2003
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51						<0.5 [U]
Toluene	108-88-3	N	UG/L	29						<0.7 [U]
Xylenes	1330-20-7	N	UG/L	200						<0.8 [U]
Anthracene	120-12-7	N	UG/L	40000						<0.040 [U]
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018						<0.020 [U]
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018						<0.020 [U]
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018						<0.040 [U]
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value						<0.10 [U]
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018						<0.020 [U]
Chrysene	218-01-9	N	UG/L	0.018						<0.080 [U]
Fluoranthene	206-44-0	N	UG/L	370						<0.040 [U]
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018						<0.040 [U]
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018						<0.080 [U]
Phenanthrene	85-01-8	N	UG/L	No Value						<0.080 [U]
Pyrene	129-00-0	N	UG/L	4000						<0.20 [U]
Arsenic	7440-38-2	N	UG/L	10						<0.500 [ND]
Arsenic	7440-38-2	Y	UG/L		150		<0.500 [ND]	<0.500 [ND]	<0.500 [ND]	

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Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	SSS_RIVER_4	SSS_RIVER_4	SSS_RIVER_4	UPSTEAM2
						Sample Name	BEL-W-SSS_RIVER_4(8-10)	BEL-W-SSS_RIVER_4(2-4)-DIS	BEL-W-SSS_RIVER_4(8-10)-DIS	BEL-W-UPSTEAM2(14-16)
						Date Sampled	06/24/2003	06/24/2003	06/24/2003	06/25/2003
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51			<0.5 [U]			
Toluene	108-88-3	N	UG/L	29			<0.7 [U]			
Xylenes	1330-20-7	N	UG/L	200			<0.8 [U]			
Anthracene	120-12-7	N	UG/L	40000			<0.040 [U]			
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018			**0.11**			
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018			**0.12**			
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018			**0.12**			
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value			**0.18**			
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018			**0.066**			
Chrysene	218-01-9	N	UG/L	0.018			**0.12**			
Fluoranthene	206-44-0	N	UG/L	370			**0.27**			
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018			<0.040 [U]			
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018			**0.12**			
Phenanthrene	85-01-8	N	UG/L	No Value			**0.13**			
Pyrene	129-00-0	N	UG/L	4000			**0.25**			
Arsenic	7440-38-2	N	UG/L	10			**0.95**			<0.500 [ND]
Arsenic	7440-38-2	Y	UG/L		150			<0.500 [ND]	<0.500 [ND]	

Indicates an exceedance of screening criteria

Table 6.15
Summary of Kanawha River Surface Water Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	UPSTEAM2	UPSTEAM3	UPSTEAM3	UPSTEAM3	UPSTEAM3
						Sample Name	BEL-W-UPSTEAM2(14-16)-DIS	BEL-W-UPSTEAM3(2-4)	BEL-W-UPSTEAM3(2-4)-DIS	BEL-W-UPSTEAM3(8-10)	BEL-W-UPSTEAM3(8-10)-DIS
						Date Sampled	06/25/2003	06/25/2003	06/25/2003	06/25/2003	06/25/2003
						Sample Purpose	FS	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51							
Toluene	108-88-3	N	UG/L	29							
Xylenes	1330-20-7	N	UG/L	200							
Anthracene	120-12-7	N	UG/L	40000							
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018							
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018							
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018							
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value							
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018							
Chrysene	218-01-9	N	UG/L	0.018							
Fluoranthene	206-44-0	N	UG/L	370							
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018							
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018							
Phenanthrene	85-01-8	N	UG/L	No Value							
Pyrene	129-00-0	N	UG/L	4000							
Arsenic	7440-38-2	N	UG/L	10				**3.56**		<0.500 [ND]	
Arsenic	7440-38-2	Y	UG/L		150		<0.500 [ND]		<0.500 [ND]		<0.500 [ND]

Indicates an exceedance of screening criteria

Table 6.15
Summary of Kanawha River Surface Water Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	UPSTREAM1	UPSTREAM1	UPSTREAM1	UPSTREAM1
						Sample Name	BEL-W-UPSTREAM1(2-4)	BEL-W-UPSTREAM1(2-4)-DIS	BEL-W-UPSTREAM1(14-16)	BEL-W-UPSTREAM1(14-16)-DIS
						Date Sampled	06/25/2003	06/25/2003	06/25/2003	06/25/2003
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51						
Toluene	108-88-3	N	UG/L	29						
Xylenes	1330-20-7	N	UG/L	200						
Anthracene	120-12-7	N	UG/L	40000						
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018						
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018						
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018						
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value						
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018						
Chrysene	218-01-9	N	UG/L	0.018						
Fluoranthene	206-44-0	N	UG/L	370						
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018						
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018						
Phenanthrene	85-01-8	N	UG/L	No Value						
Pyrene	129-00-0	N	UG/L	4000						
Arsenic	7440-38-2	N	UG/L	10			<0.500 [ND]		<0.500 [ND]	
Arsenic	7440-38-2	Y	UG/L		150			<0.500 [ND]		<0.500 [ND]

Indicates an exceedance of screening criteria

Table 6.15
Summary of Kanawha River Surface Water Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	UPSTREAM1	UPSTREAM1	UPSTREAM1	UPSTREAM1
						Sample Name	BEL-W-UPSTREAM1(2-4)	BEL-W-UPSTREAM1(2-4)-DIS	BEL-W-UPSTREAM1(14-16)	BEL-W-UPSTREAM1(14-16)-DIS
						Date Sampled	07/10/2007	07/10/2007	07/10/2007	07/10/2007
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51			<0.5		<0.5	
Toluene	108-88-3	N	UG/L	29			<0.7		<0.7	
Xylenes	1330-20-7	N	UG/L	200			<0.8		<0.8	
Anthracene	120-12-7	N	UG/L	40000			<0.039		<0.039	
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018			<0.020		<0.020	
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018			<0.020		<0.020	
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018			<0.039		<0.039	
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value			<0.098		<0.098	
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018			<0.020		<0.020	
Chrysene	218-01-9	N	UG/L	0.018			<0.079		<0.079	
Fluoranthene	206-44-0	N	UG/L	370			<0.039		<0.039	
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018			<0.039		<0.039	
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018			<0.079		<0.079	
Phenanthrene	85-01-8	N	UG/L	No Value			<0.079		<0.079	
Pyrene	129-00-0	N	UG/L	4000			<0.18		<0.18	
Arsenic	7440-38-2	N	UG/L	10			<0.70		<0.70	
Arsenic	7440-38-2	Y	UG/L		150			<0.70		<0.70

Indicates an exceedance of screening criteria

Table 6.15
Summary of Kanawha River Surface Water Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	UPSTREAM2	UPSTREAM2	UPSTREAM2	UPSTREAM2	UPSTREAM2
						Sample Name	BEL-W-UPSTREAM2(2-4)	BEL-W-UPSTREAM2(2-4)-DIS	BEL-W-UPSTREAM2(2-4)	BEL-W-UPSTREAM2(2-4)-DIS	BEL-W-UPSTREAM2(14-16)
						Date Sampled	06/25/2003	06/25/2003	07/10/2007	07/10/2007	07/10/2007
						Sample Purpose	FS	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51					<0.5		<0.5
Toluene	108-88-3	N	UG/L	29					<0.7		<0.7
Xylenes	1330-20-7	N	UG/L	200					<0.8		<0.8
Anthracene	120-12-7	N	UG/L	40000					<0.039		<0.043
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018					<0.020		<0.021
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018					<0.020		<0.021
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018					<0.039		<0.043
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value					<0.098		<0.11
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018					<0.020		<0.021
Chrysene	218-01-9	N	UG/L	0.018					<0.079		<0.085
Fluoranthene	206-44-0	N	UG/L	370					<0.039		<0.043
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018					<0.039		<0.043
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018					<0.079		<0.085
Phenanthrene	85-01-8	N	UG/L	No Value					<0.079		<0.085
Pyrene	129-00-0	N	UG/L	4000					<0.18		<0.19
Arsenic	7440-38-2	N	UG/L	10			<0.500 [ND]		<0.70		<0.70
Arsenic	7440-38-2	Y	UG/L		150			<0.500 [ND]		<0.70	

Indicates an exceedance of screening criteria

Table 6.15
Summary of Kanawha River Surface Water Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	UPSTREAM2	UPSTREAM3	UPSTREAM3	UPSTREAM3
						Sample Name	BEL-W-UPSTREAM2(14-16)-DIS	BEL-W-UPSTREAM3(2-4)-DIS	BEL-W-UPSTREAM3(2-4)	BEL-W-UPSTREAM3(8-10)
						Date Sampled	07/10/2007	07/10/2007	07/10/2007	07/10/2007
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51					<0.5	<0.5
Toluene	108-88-3	N	UG/L	29					<0.7	<0.7
Xylenes	1330-20-7	N	UG/L	200					<0.8	<0.8
Anthracene	120-12-7	N	UG/L	40000					<0.045	<0.039
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018					<0.022	<0.020
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018					<0.022	<0.020
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018					<0.045	<0.039
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value					<0.11	<0.099
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018					<0.022	<0.020
Chrysene	218-01-9	N	UG/L	0.018					<0.089	<0.079
Fluoranthene	206-44-0	N	UG/L	370					<0.045	<0.039
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018					<0.045	<0.039
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018					<0.089	<0.079
Phenanthrene	85-01-8	N	UG/L	No Value					<0.089	<0.079
Pyrene	129-00-0	N	UG/L	4000					<0.20	<0.18
Arsenic	7440-38-2	N	UG/L	10					**0.75 J**	<0.70
Arsenic	7440-38-2	Y	UG/L		150		<0.70	<0.70		

Indicates an exceedance of screening criteria

Table 6.15
Summary of Kanawha River Surface Water Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	UPSTREAM3	UPSTREAM_1	UPSTREAM_1	UPSTREAM_2
						Sample Name	BEL-W-UPSTREAM3(8-10)-DIS	BEL-W-UPSTREAM_1(2-4)	BEL-W-UPSTREAM_1(14-16)	BEL-W-UPSTREAM_2(2-4)
						Date Sampled	07/10/2007	06/25/2003	06/25/2003	06/25/2003
						Sample Purpose	FS	FS	FS	FS
Benzene	71-43-2	N	UG/L	51				<0.5 [U]	<0.5 [U]	<0.5 [U]
Toluene	108-88-3	N	UG/L	29				<0.7 [U]	<0.7 [U]	<0.7 [U]
Xylenes	1330-20-7	N	UG/L	200				<0.8 [U]	<0.8 [U]	<0.8 [U]
Anthracene	120-12-7	N	UG/L	40000				<0.040 [U]	<0.040 [U]	<0.040 [U]
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018				<0.020 [U]	<0.020 [U]	<0.020 [U]
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018				<0.020 [U]	<0.020 [U]	<0.020 [U]
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018				<0.040 [U]	<0.040 [U]	<0.040 [U]
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value				<0.10 [U]	<0.10 [U]	<0.10 [U]
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018				<0.020 [U]	<0.020 [U]	<0.020 [U]
Chrysene	218-01-9	N	UG/L	0.018				<0.080 [U]	<0.080 [U]	<0.080 [U]
Fluoranthene	206-44-0	N	UG/L	370				<0.040 [U]	<0.040 [U]	<0.040 [U]
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018				<0.040 [U]	<0.040 [U]	<0.040 [U]
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018				<0.080 [U]	<0.080 [U]	<0.080 [U]
Phenanthrene	85-01-8	N	UG/L	No Value				<0.080 [U]	<0.080 [U]	<0.080 [U]
Pyrene	129-00-0	N	UG/L	4000				<0.18 [U]	<0.18 [U]	<0.17 [U]
Arsenic	7440-38-2	N	UG/L	10						
Arsenic	7440-38-2	Y	UG/L		150		<0.70			

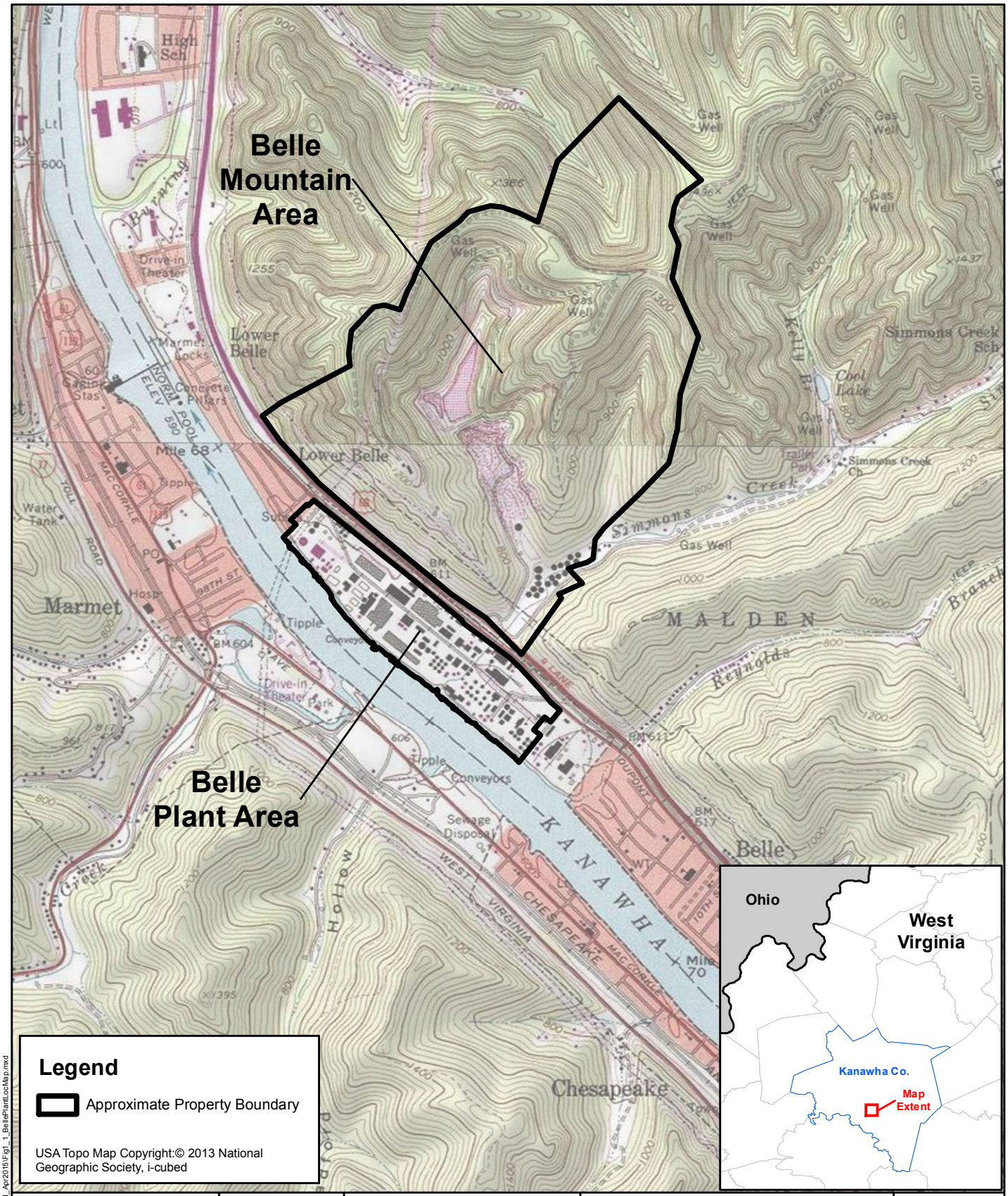
Indicates an exceedance of screening criteria

Table 6.15
Summary of Kanawha River Surface Water Results
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area, Belle, West Virginia

Analyte	CAS No.	Filtered	Units	West Virginia WQS (47CSR2) for Human Health Category C	West Virginia WQS (47CSR2) for Aquatic Life Category B2 Chronic	Location ID	UPSTREAM_2	UPSTREAM_3	UPSTREAM_3
						Sample Name	BEL-W-UPSTREAM_2(14-16)	BEL-W-UPSTREAM_3(2-4)	BEL-W-UPSTREAM_3(8-10)
						Date Sampled	06/25/2003	06/25/2003	06/25/2003
						Sample Purpose	FS	FS	FS
Benzene	71-43-2	N	UG/L	51			<0.5 [U]	<0.5 [U]	<0.5 [U]
Toluene	108-88-3	N	UG/L	29			<0.7 [U]	<0.7 [U]	<0.7 [U]
Xylenes	1330-20-7	N	UG/L	200			<0.8 [U]	<0.8 [U]	<0.8 [U]
Anthracene	120-12-7	N	UG/L	40000			<0.040 [U]	<0.040 [U]	<0.040 [U]
Benzo(A)Anthracene	56-55-3	N	UG/L	0.018			<0.020 [U]	<0.020 [U]	<0.020 [U]
Benzo[A]Pyrene	50-32-8	N	UG/L	0.018			<0.020 [U]	<0.020 [U]	<0.020 [U]
Benzo(B)Fluoranthene	205-99-2	N	UG/L	0.018			<0.040 [U]	<0.040 [U]	<0.040 [U]
Benzo(G,H,I)Perylene	191-24-2	N	UG/L	No Value			<0.10 [U]	<0.10 [U]	<0.10 [U]
Benzo(K)Fluoranthene	207-08-9	N	UG/L	0.018			<0.020 [U]	<0.020 [U]	<0.020 [U]
Chrysene	218-01-9	N	UG/L	0.018			<0.080 [U]	<0.080 [U]	<0.080 [U]
Fluoranthene	206-44-0	N	UG/L	370			<0.040 [U]	<0.040 [U]	<0.040 [U]
Dibenz(A,H)Anthracene	53-70-3	N	UG/L	0.018			<0.040 [U]	<0.040 [U]	<0.040 [U]
Indeno (1,2,3-CD) Pyrene	193-39-5	N	UG/L	0.018			<0.080 [U]	<0.080 [U]	<0.080 [U]
Phenanthrene	85-01-8	N	UG/L	No Value			<0.080 [U]	<0.080 [U]	<0.080 [U]
Pyrene	129-00-0	N	UG/L	4000			<0.18 [U]	<0.18 [U]	<0.18 [U]
Arsenic	7440-38-2	N	UG/L	10					
Arsenic	7440-38-2	Y	UG/L		150				

Indicates an exceedance of screening criteria

Figures



Legend

Approximate Property Boundary

USA Topo Map Copyright:© 2013 National Geographic Society, i-cubed

0 500 1,000 2,000

Feet

1 inch = 2,000 feet

MAP FORMATTED FOR "A" (8.5" X 11") SIZE SHEET. TEXT SCALE NOT VALID FOR DIFFERENT PAGE SIZE

FILE NUMBER:

DESIGNED BY: CAD

DRAWN BY: CAD

DATA QUALITY CHECK BY: KLD

AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

BELLE PLANT AREA LOCATION MAP

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

PROJECT NUMBER: 18986236

DATE: 8/26/2015

FIGURE NUMBER: 1.1

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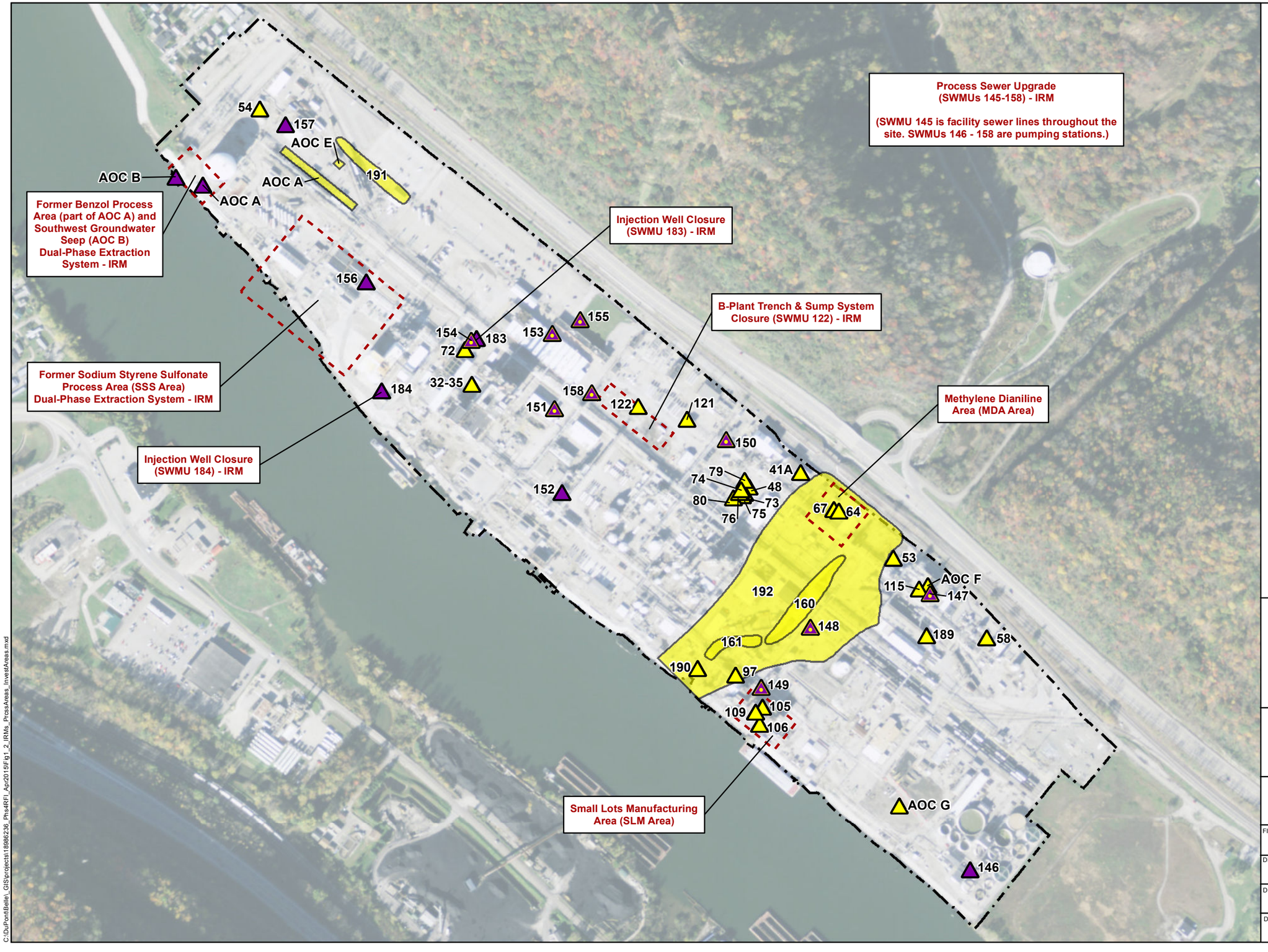

Legend

- SWMU/AOC with an IRM
- SWMU with an IRM and Investigated in Phase IV
- Phase IV SWMU/AOC Investigation Area
- Area of Interest
- Belle Plant Boundary (Approximate)

Notes:
IRM = Interim Remedial Measure

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

0 200 400 800
Feet
1 inch = 400 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
TEXT SCALE NOT VALID FOR DIFFERENT PAGE SIZE.

AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

BELLE PLANT AREA IRMs, INVESTIGATION AREAS, AND SELECT PROCESS AREAS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 1.2
DATA QUALITY CHECK BY: KLD	

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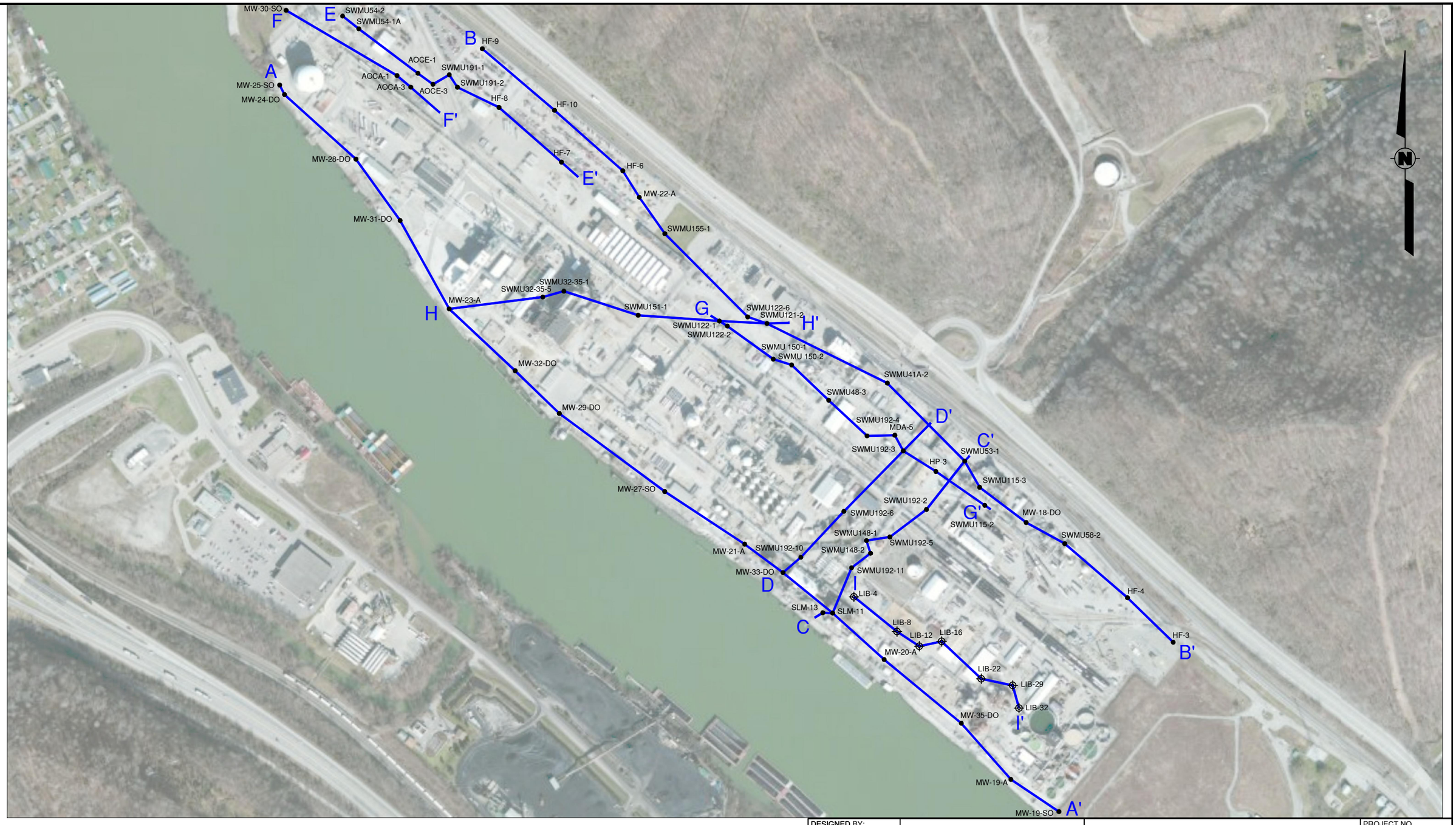

HORIZONTAL SCALE

400' 0 400'

DESIGNED BY: C. MYERS	AECOM	CROSS-SECTION LOCATION MAP	PROJECT NO. 18986236
DRAWN BY: D. LITTEL			DATE 3/18/15
DATA QUALITY CHKD: T. LOUNSBURY	Sabre Building, Suite 300 4051 Ogletown Road Newark, Delaware 19713 Phone: 302-781-5900	CHEMOURS BELLE PLANT PHASE IV RFI BELLE, WEST VIRGINIA	FIGURE No: 2.1
APPROVED BY:			

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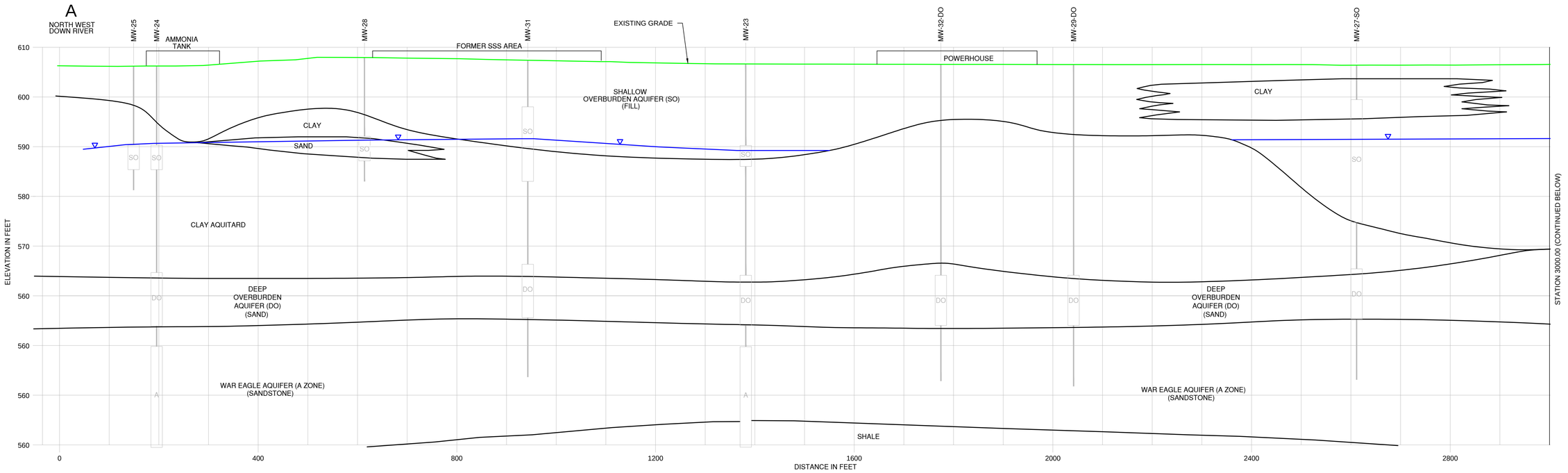

VERTICAL SCALE

10' 0 10'

HORIZONTAL SCALE

100' 0 100'

NO.	REVISIONS	BY	DATE

DESIGNED BY: T. LOUNSBURY
DRAWN BY: D. LITTEL
DATA QUALITY CHKD: M. HOULDAY
APPROVED BY:

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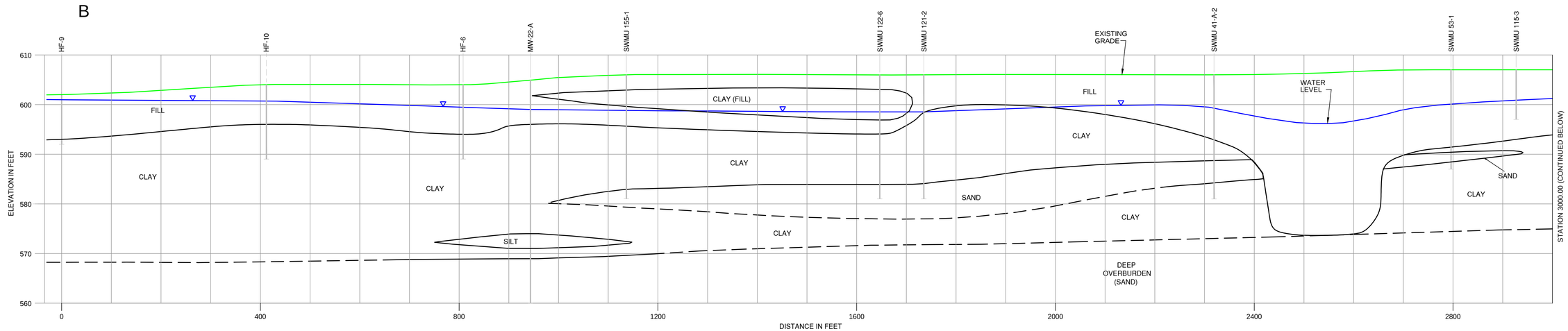
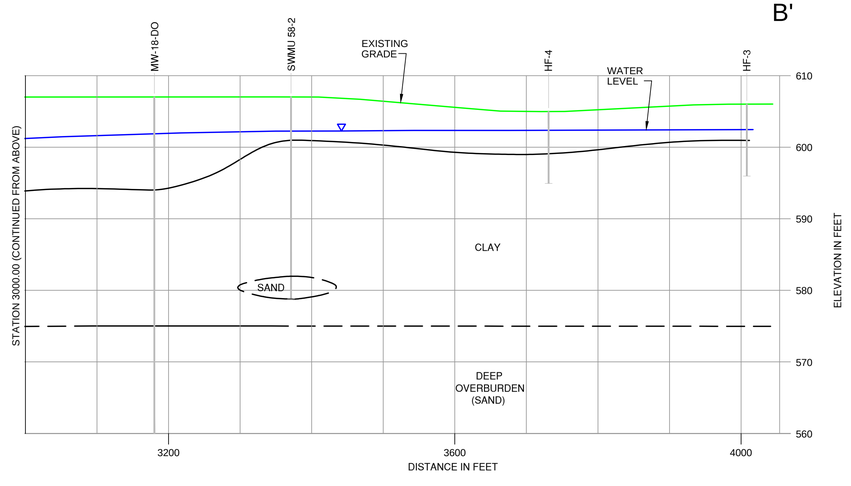
Newark, Delaware 19713
Phone: 302-781-5900

CROSS-SECTION A-A'
PLANT AREA

CHEMOURS BELLE PLANT
PLANT AREA
BELLE, WEST VIRGINIA

PROJECT NO. 18986642
DATE 5/17/15
FIGURE 2.2





VERTICAL SCALE
10' 0 10'

HORIZONTAL SCALE
100' 0 100'

NO.	REVISIONS	BY	DATE

DESIGNED BY: T. LOUNSBURY
DRAWN BY: D. LITTEL
DATA QUALITY CHKD: M. HOULDAY
APPROVED BY:

AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, Delaware 19713
Phone: 302-781-5900

CROSS-SECTION B-B'
PLANT AREA

CHEMOURS BELLE PLANT
PLANT AREA
BELLE, WEST VIRGINIA

PROJECT NO. 18986642
DATE 4/28/15
FIGURE 2.3

H

H'

MW 23-A

SWMU 32-35-5

SWMU 32-35-1

EXISTING GRADE

SWMU 151-1

SWMU 122-1

SWMU 121-2

FILL

FILL

FILL

CLAY

CLAY

SAND

CLAY

DEEP OVERBURDEN
AQUIFER (SAND)

ELEVATION IN FEET

610
600
590
580
570
560

0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400

DISTANCE (FEET)

VERTICAL SCALE

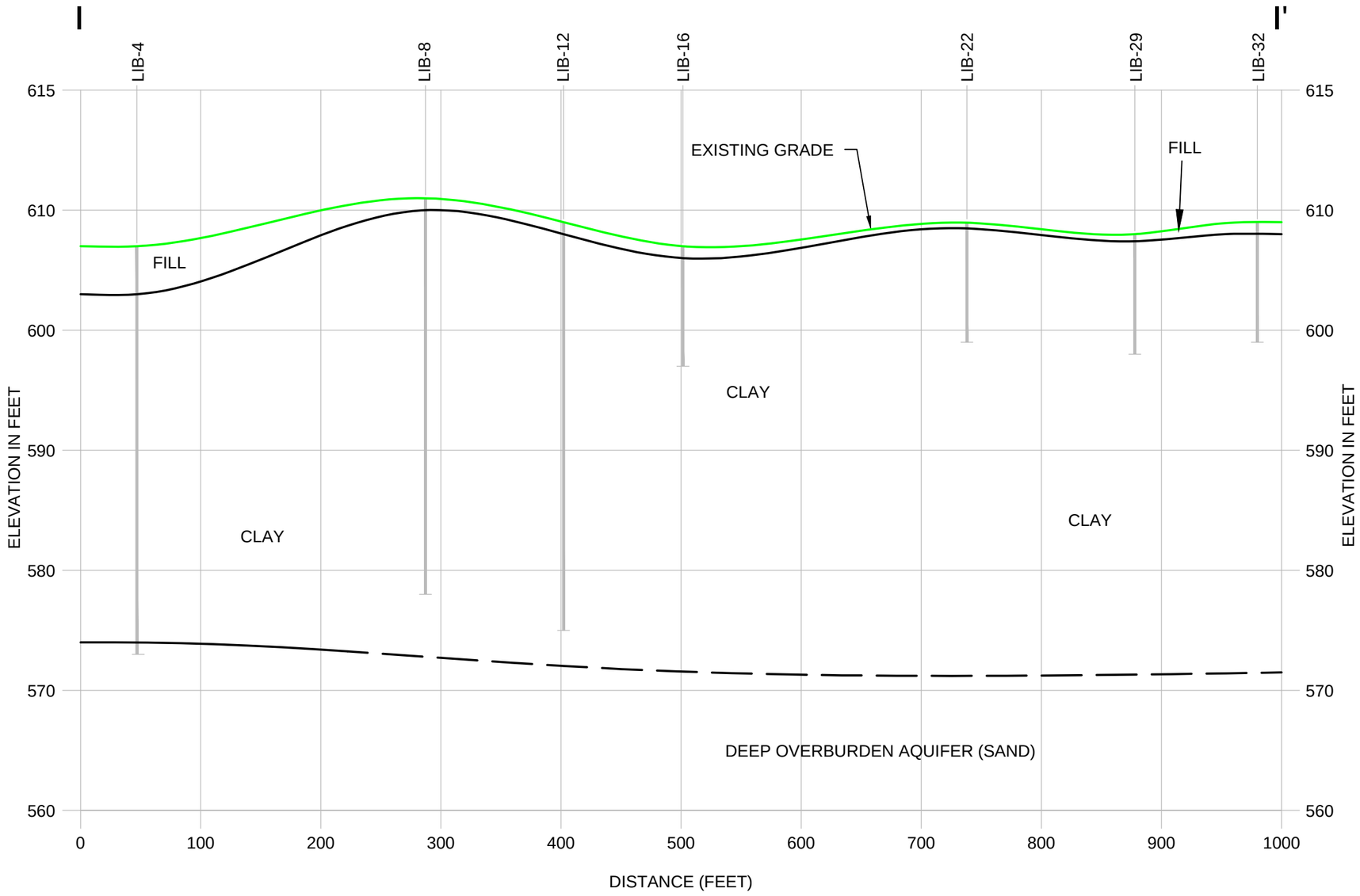
10' 0 10'

HORIZONTAL SCALE

100' 0 100'

DESIGNED BY: C. MYERS	AECOM Sabre Building, Suite 300 4051 Ogletown Road Newark, Delaware 19713 Phone: 302-781-5900	CROSS-SECTION H-H' PLANT AREA	PROJECT NO. 18986236
DRAWN BY: W. FRYER			DATE 4/20/15
DATA QUALITY CHKD: T. LOUNSBURY		CHEMOURS BELLE PLANT PHASE IV RFI BELLE, WEST VIRGINIA	FIGURE No: 2.4
APPROVED BY:			

V:\Projects\Dupont\Belle\CAD\Project\18986236 - Ph IV RFI WP\CROSS SECTION H-H'.DWG, 5/21/2015 10:43 AM, Littel, David E, PDF995.pc3, User32767, 1"=0" = 1'-0"



VERTICAL SCALE

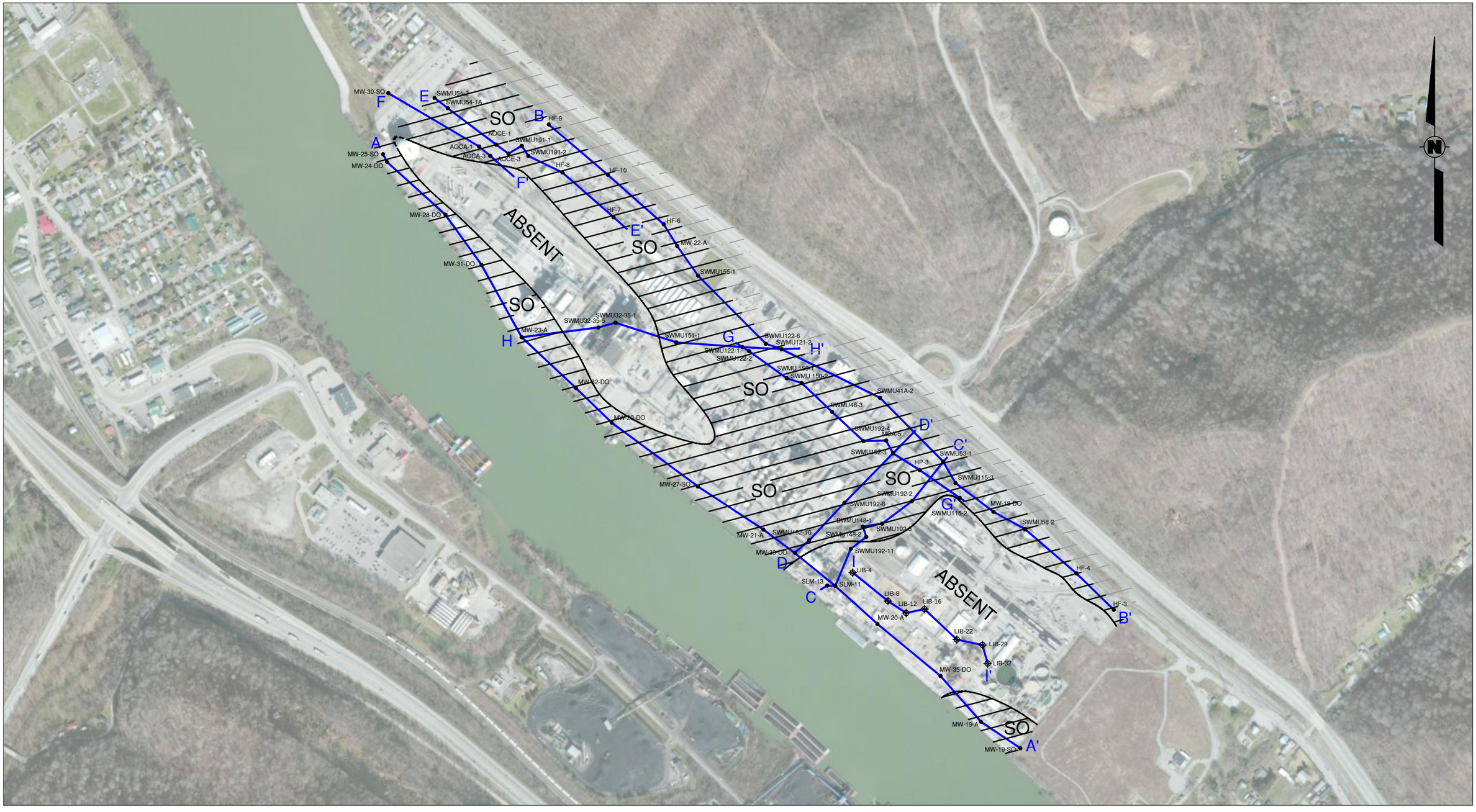
10' 0 10'

HORIZONTAL SCALE

100' 0 100'

DESIGNED BY: C. MYERS	AECOM	CROSS-SECTION I-I' PLANT AREA	PROJECT NO. 18986236
DRAWN BY: W. FRYER			DATE 4/8/15
DATA QUALITY CHKD: T. LOUNSBURY	Sabre Building, Suite 300 4051 Ogletown Road Newark, Delaware 19713 Phone: 302-781-5900	CHEMOURS BELLE PLANT PHASE IV RFI BELLE, WEST VIRGINIA	FIGURE No: 2.5
APPROVED BY:			

V:\Projects\Dupont\Belle\CAD\Project\18986236 - Ph IV RFI WP\CROSS SECTION I-I'.DWG, 5/21/2015 10:55 AM, Littel, David E, PDF995.pc3, User32767, 1'-0" = 1'-0"



LEGEND:

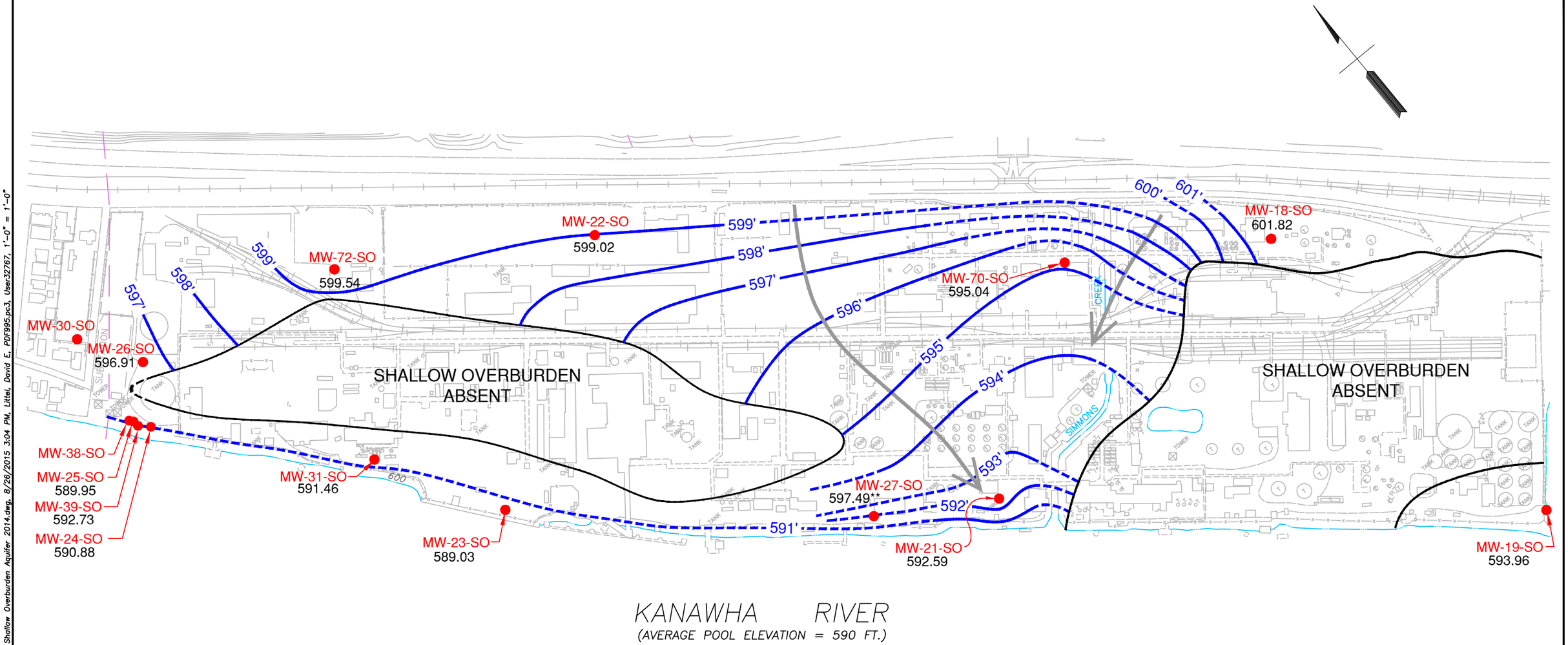
SO = SHALLOW OVERBURDEN

HORIZONTAL SCALE

500' 0 500'

DESIGNED BY: C. MYERS	AECOM Sabre Building, Suite 300 4051 Ogletown Road Newark, Delaware 19713 Phone: 302-781-5900	SHALLOW OVERBURDEN LOCATION MAP	PROJECT NO. 18986236
DRAWN BY: D. LITTEL			DATE 3/18/15
DATA QUALITY CHKD: T. LOUNSBURY		CHEMOURS BELLE PLANT PHASE IV RFI BELLE, WEST VIRGINIA	FIGURE No: 2.6
APPROVED BY:			

V:\Projects\Dupont\Belle\CAD\Project\18986236 - Ph IV RFI WP\Cross-Section Location Map.dwg, 8/26/2015 2:24 PM, Littel, David E, PDF995.pc3, User32767, 1"=0" = 1'-0"



LEGEND

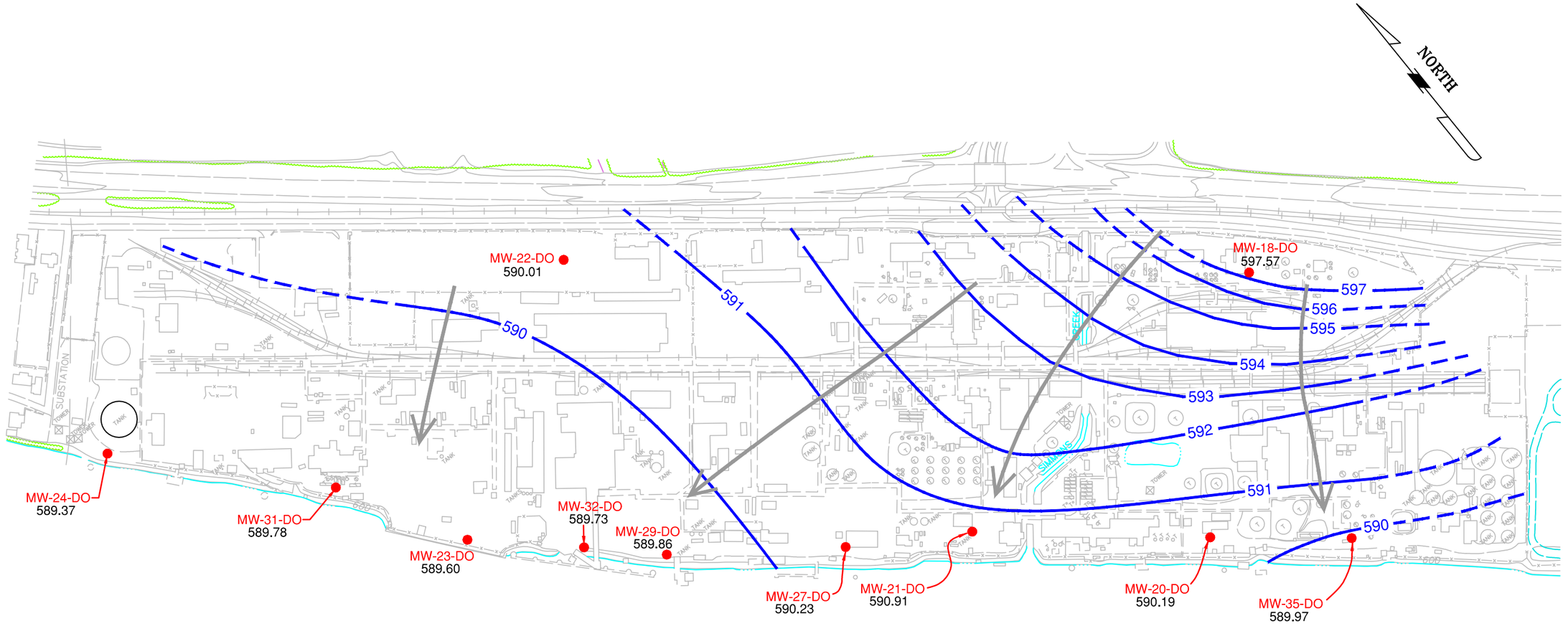
- SHALLOW OVERBURDEN MONITORING WELL
- 589.03 GROUNDWATER ELEVATION USED IN CONTOURING
- GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

**NOTE: GROUNDWATER ELEVATION FROM MW-27-SO WAS NOT USED IN CONTOURING DUE TO SIGNIFICANT DEVIATION FROM SURROUNDING WELLS

SCALE
320' 0 320'

DESIGNED BY: T. LOUNSBURY	AECOM	GROUNDWATER CONTOUR MAP SHALLOW OVERBURDEN AQUIFER NOVEMBER 2014	PROJECT NO. 18986642
DRAWN BY: D. LITTEL	Sabre Building, Suite 300 4051 Ogletown Road Newark, Delaware 19713 Phone: 302-781-5900		DATE 6/4/15
DATA QUALITY CHKD: M. HOULDAY		CHEMOURS BELLE PLANT PLANT AREA BELLE, WEST VIRGINIA	FIGURE No: 2.7
APPROVED BY:			

V:\Projects\Dupont\Belle\CAD\Project\18986642\Figure 2.7 - GW Contour Map Shallow Overburden Aquifer 2014.dwg, 8/26/2015 3:04 PM, Littel, David E, PDF995.pc3, User32767, 1"=0" = 1'=0"



LEGEND

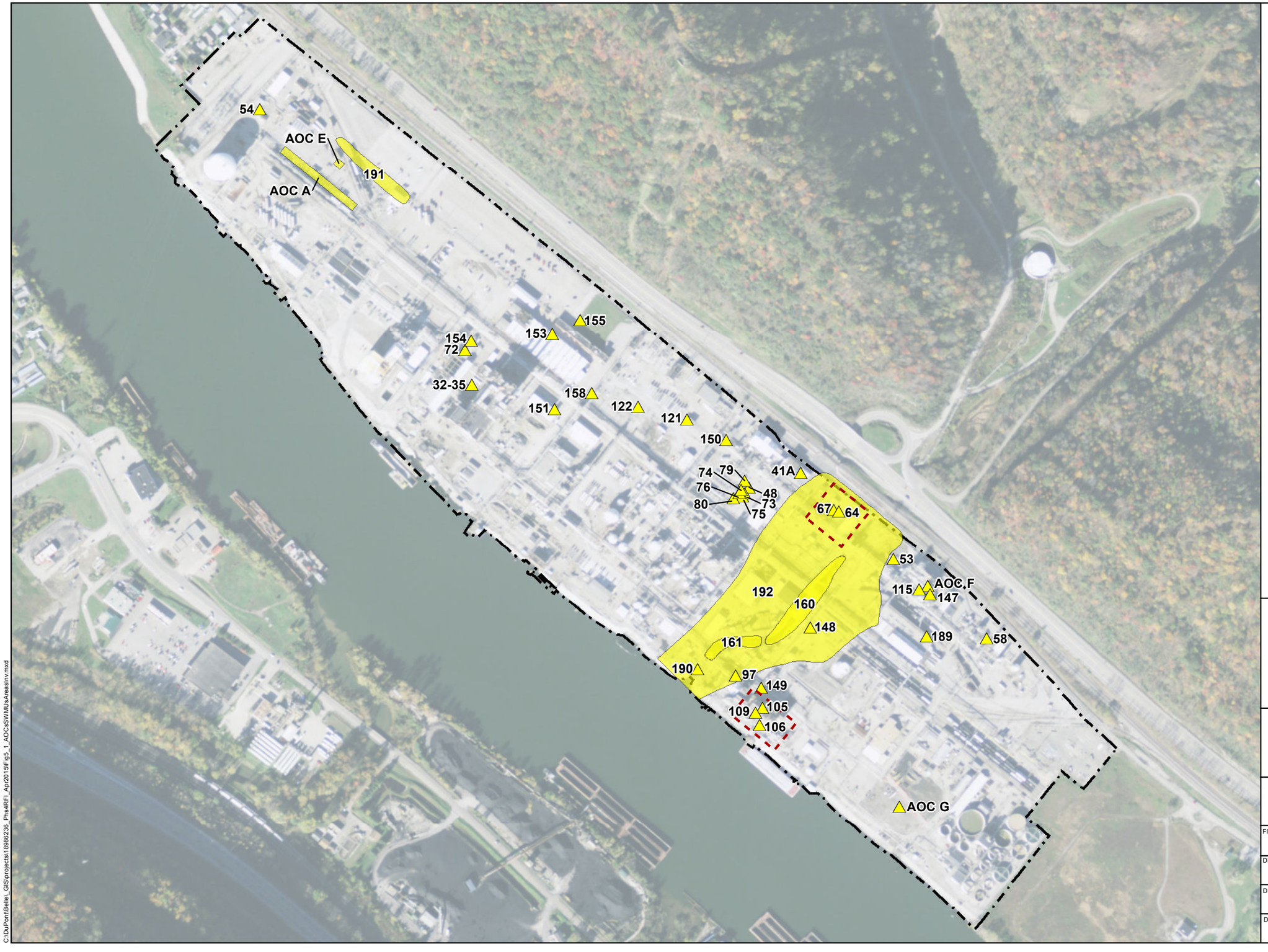
- ● *DEEP OVERBURDEN MONITORING WELL*
- 589.78 *GROUNDWATER ELEVATION USED IN CONTOURING*
- *GROUNDWATER CONTOUR*
- *GROUNDWATER FLOW DIRECTION*

SCALE

350’ 0 350’

DESIGNED BY: T. LOUNSBURY DRAWN BY: D. LITTEL DATA QUALITY CHKD: M. HOULDAY APPROVED BY:	AECOM Sabre Building, Suite 300 4051 Ogletown Road Newark, Delaware 19713 Phone: 302-781-5900	DEEP OVERBURDEN GROUNDWATER CONTOUR MAP MAY 2015 CHEMOURS BELLE PLANT PLANT AREA BELLE, WEST VIRGINIA	PROJECT NO. 60389864 DATE 6/3/15 FIGURE No: 2.8

V:\Projects\Dupont\Belle\CAD\Project\18986642\Figure 2.8 – GW Contour Map Deep Overburden Aquifer 2014.dwg, 6/4/2015 12:03 PM, Littel, David E, PDF995.pc3, User32767, 1'-0" = 1'-0"



Legend

- SWMU/AOC
- SLM or Former MDA Boundary (Approximate)
- Belle Plant Boundary (Approximate)

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 200 400 800

Feet

1 inch = 400 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
TEXT SCALE NOT VALID FOR DIFFERENT PAGE SIZE.

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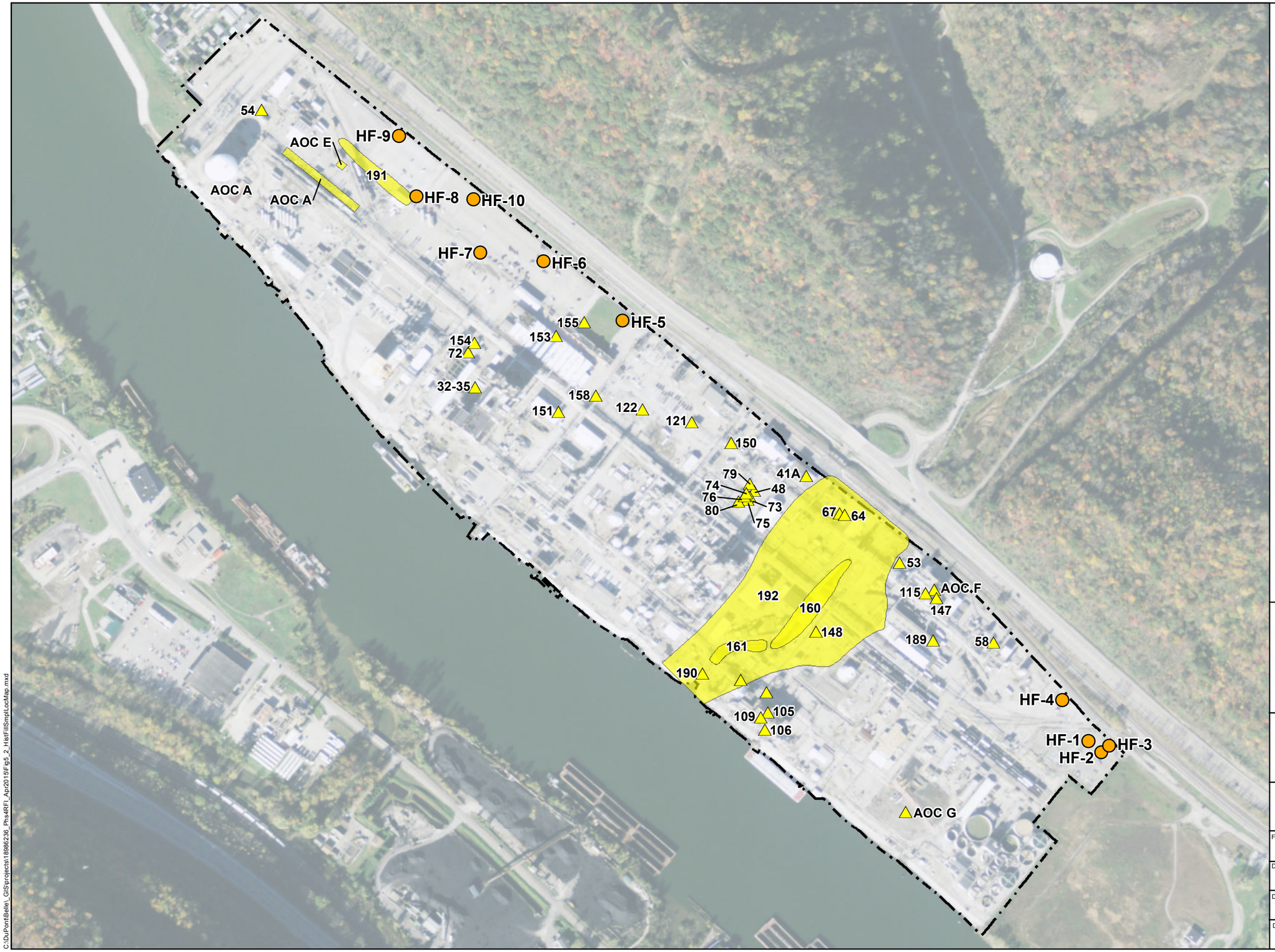
Newark, DE 19713

AOCs, SWMUs AND AREAS INVESTIGATED DURING THE PHASE IV RFI

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.1
DATA QUALITY CHECK BY: KLD	

C:\DuPontBelle_GIS\projects\18986236_Phs4RFI_Apr2015\Fig5_1_AOCsSWMUsAreasInv.mxd



Legend

- Historical Fill Sample Location
- SWMU/AOC
- Belle Plant Boundary (Approximate)

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

0 200 400 800

Feet

1 inch = 400 feet

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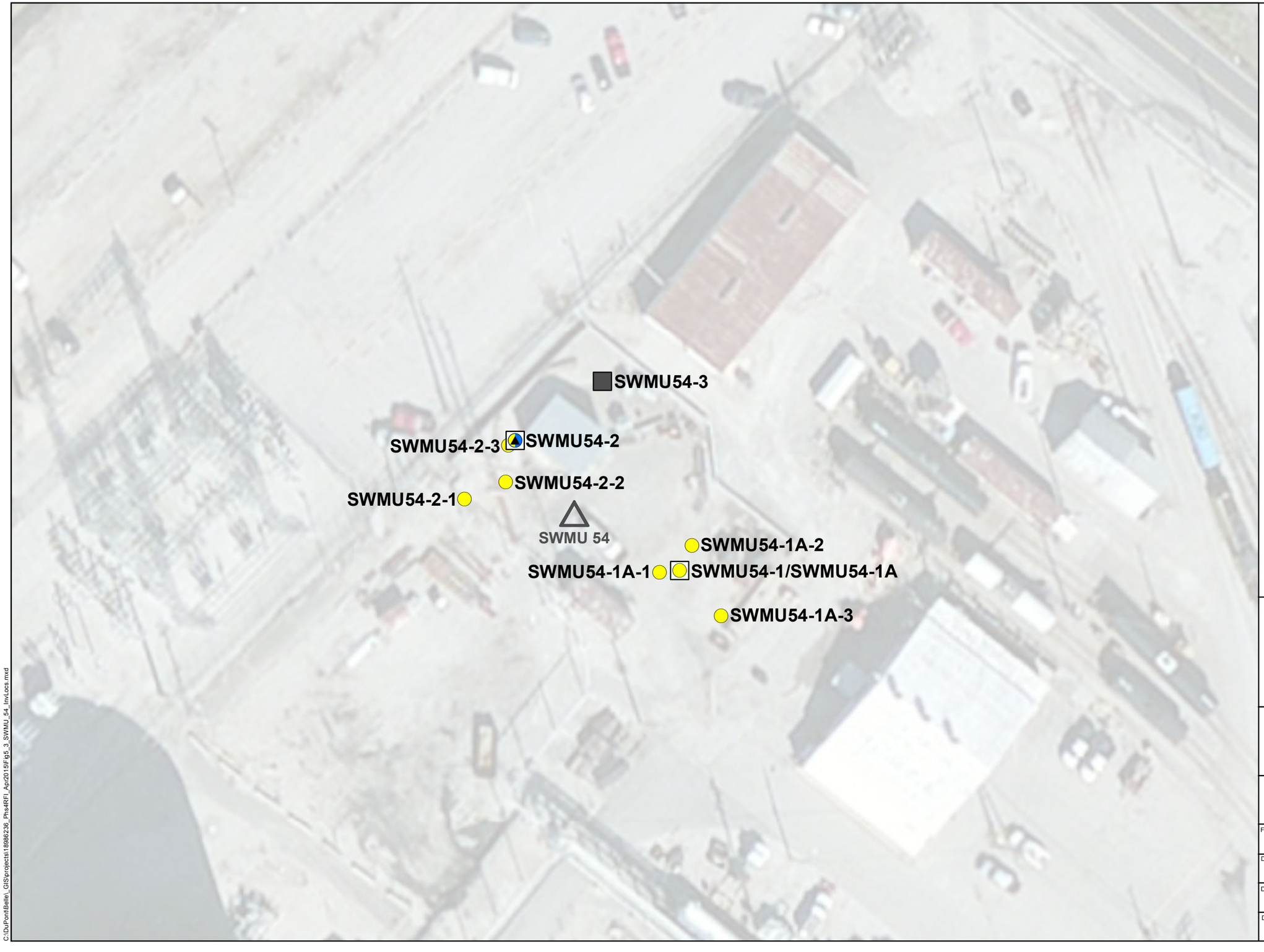
Newark, DE 19713

HISTORICAL FILL SAMPLE LOCATION MAP

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.2
DATA QUALITY CHECK BY: KLD	

C:\DuPontBelle_GIS\projects\18986236_Phs4RFI_Apr2015\Fig5_2_HistFillSmplLocMap.mxd



Legend

- Soil Sample Location
- MIPs Boring Location with Soil Sample
- MIPs Boring Location with Soil, Groundwater and Soil Vapor Samples
- MIPs Boring (No Sample Collected)
- SWMU

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 20 40 80

Feet

1 inch = 40 feet

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Newark, DE 19713

SWMU 54
INVESTIGATION LOCATIONS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.3
DATA QUALITY CHECK BY: KLD	

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SWMU54-2-3			11/18/2013
Analyte	Depth_ft	SL Ind	Result
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	1.9
Benzo[A]Pyrene	8-9	0.29 (0.69)	0.5
Dibenz(A,H)Anthracene	0.5-1	0.29	0.47
Dibenz(A,H)Anthracene	8-9	0.29	0.079

SWMU54-2-2			11/18/2013
Analyte	Depth_ft	SL Ind	Result
Benzo(A)Anthracene	0.5-1	2.9	300
Benzo(A)Anthracene	3-4	2.9	0.9
Benzo(B)Fluoranthene	0.5-1	2.9	290
Benzo(B)Fluoranthene	3-4	2.9	0.87
Benzo(K)Fluoranthene	0.5-1	29	140
Benzo(K)Fluoranthene	3-4	29	0.29
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	250
Benzo[A]Pyrene	3-4	0.29 (0.69)	0.59
Dibenz(A,H)Anthracene	0.5-1	0.29	45
Dibenz(A,H)Anthracene	3-4	0.29	0.12
Indeno (1,2,3-CD) Pyrene	0.5-1	2.90	140
Indeno (1,2,3-CD) Pyrene	3-4	2.9	0.31

SWMU54-2			11/28/2012
Analyte	Depth_ft	SL Ind	Result
Benzo(A)Anthracene	3-4	2.9	15
Benzo(B)Fluoranthene	3-4	2.9	11
Benzo[A]Pyrene	3-4	0.29 (0.69)	10
Dibenz(A,H)Anthracene	3-4	0.29	1.7
Indeno (1,2,3-CD) Pyrene	3-4	2.9	4.5

SWMU54-3

SWMU54-2-1			11/18/2013
Analyte	Depth_ft	SL Ind	Result
Benzo(A)Anthracene	0.5-1	2.9	3.3
Benzo(A)Anthracene	3-4	2.9	0.18
Benzo(B)Fluoranthene	0.5-1	2.9	4
Benzo(B)Fluoranthene	3-4	2.9	0.25
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	2.9
Benzo[A]Pyrene	3-4	0.29 (0.69)	0.17
Dibenz(A,H)Anthracene	0.5-1	0.29	0.59
Dibenz(A,H)Anthracene	3-4	0.29	0.031

SWMU 54

SWMU54-1A-2

SWMU54-1A-1			11/18/2013
Analyte	Depth_ft	SL Ind	Result
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	0.74

SWMU54-1			11/7/2012
Analyte	Depth_ft	SL Ind	Result
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	1.7
Dibenz(A,H)Anthracene	0.5-1	0.29	0.48

SWMU54-1A-3			11/18/2013	
Analyte	Depth_ft	SL Ind	Result	Result (DUP)
Benzo(A)Anthracene	0.5-1	2.9	3.4 J	1.7 J
Benzo(B)Fluoranthene	0.5-1	2.9	4.3 J	1.9 J
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	3.9 J	1.5 J
Dibenz(A,H)Anthracene	0.5-1	0.29	0.85 J	0.3 J

Legend

- Surface Soil Sample (Exceedance)
- Surface Soil Sample (No Exceedance)
- Subsurface Soil Sample (Exceedance)
- Subsurface Soil Sample (No Exceedance)
- No Soil Sample Collected
- SWMU

For native soil samples, the screening criteria used are EPA Regional Screening Levels for Industrial Soil (SL-Ind). For fill soil samples, the criteria used are the Historic Fill 95% UTL in parenthesis.

Screening Levels are applicable to depths less than 15 ft bgs. As a result, subsurface soil results from samples collected at depths greater than 15 ft bgs are not shown.

J-Analyte present; reported value may not be accurate or precise.

All results are in units mg/kg.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 20 40 80

Feet

1 inch = 40 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
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SWMU 54 INDUSTRIAL SOIL EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.4
DATA QUALITY CHECK BY: KLD	

C:\DuPontBelle_GIS\projects\18986236_Phs4RFI_Apr2015\ProsMaps\Fig5_4_SWMU_54_IndSoilExcds.mxd

HP-5
AOCA-5
AOCE-1-2
AOCE-1-1
AOCE-1
AOCE-2
AOCA-1
AOCE-1-3
AOC E
AOCE-3-1
AOCE-3
AOCE-3-2
AOCA-2
AOCE-4
AOCA-3
SWMU191-1
SWMU191-2-2
SWMU191-2-3
SWMU191-2
SWMU191-2-1
SWMU191-3
MW-72-SO
HP-72
AOC A
SWMU
191
AOCE-9-1
AOCE-9-2
AOCE-9-3

Legend

- Monitoring Well Location
- Soil Sample Location
- Groundwater Sample Location
- Soil and Groundwater Sample Location
- MIPs Boring Location with Soil Sample
- MIPs Boring Location with Soil and Groundwater Samples
- MIPs Boring (No Sample Collected)
- SWMU/AOC

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N
W E
S

0 20 40 80
Feet
1 inch = 40 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
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Newark, DE 19713

AOC A, AOC E, AND SWMU 191 INVESTIGATION LOCATIONS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.5
DATA QUALITY CHECK BY: KLD	

C:\DuPontBelle_GIS\projects\18986236_Phs4RFI_Apr2015\Fig5_5_AOCA_AOCE_SWMU_191_InvLocs.mxd

AOCE-1-1			11/19/2013
Analyte	Depth_ft	SL Ind	Result
1-Methylnaphthalene	0.5-1	73	4.2
1-Methylnaphthalene	7-8	73	250
2-Methylnaphthalene	0.5-1	300	5.3
2-Methylnaphthalene	7-8	300	470
Benzo(A)Anthracene	0.5-1	2.9	0.65 J
Benzo(A)Anthracene	7-8	2.9	220
Benzo(B)Fluoranthene	0.5-1	2.9	1
Benzo(B)Fluoranthene	7-8	2.9	170
Benzo(K)Fluoranthene	0.5-1	29	0.46 J
Benzo(K)Fluoranthene	7-8	29	81
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	0.65 J
Benzo[A]Pyrene	7-8	0.29 (0.69)	170
Dibenz(A,H)Anthracene	0.5-1	0.29	0.28 J
Dibenz(A,H)Anthracene	7-8	0.29	25
Indeno (1,2,3-CD) Pyrene	0.5-1	2.9	0.72 J
Indeno (1,2,3-CD) Pyrene	7-8	2.9	64
Naphthalene	0.5-1	17	3.8
Naphthalene	7-8	17	1600

HP-5			9/28/2000
Analyte	Depth_ft	SL Ind	Result
Arsenic	8-9.5	3	3.5

AOCE-1-2			11/19/2013
Analyte	Depth_ft	SL Ind	Result
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	0.91
Benzo[A]Pyrene	7-8	0.29 (0.69)	0.024
Naphthalene	0.5-1	17	8.6
Naphthalene	7-8	17	18

AOCE-1			11/9/2012		5/22/2013	
Analyte	Depth_ft	SL Ind	Result	Result DUP	Result	Result DUP
Arsenic	0.5-1	3 (22)	15.9	3.1		
Arsenic	7-8	3	5.25			
Benzo(A)Anthracene	0.5-1	2.9	13	0.26		
Benzo(A)Anthracene	7-8	2.9	3.8 J		<0.004	0.007 J
Benzo(B)Fluoranthene	0.5-1	2.9	15	0.25		
Benzo(B)Fluoranthene	7-8	2.9	3.1 J		0.014 J	0.008 J
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	8.7	0.12		
Benzo[A]Pyrene	7-8	0.29	2.5 L		<0.004	<0.004
Dibenz(A,H)Anthracene	0.5-1	0.29	2.4	0.027 J		
Dibenz(A,H)Anthracene	7-8	0.29	0.49		<0.004	<0.004
Indeno (1,2,3-CD) Pyrene	0.5-1	2.9	5.9	0.05 J		
Indeno (1,2,3-CD) Pyrene	7-8	2.9	1.1 L		<0.004	<0.004

SWMU191-2-3			11/19/2013
Analyte	Depth_ft	SL Ind	Result
Benzo(A)Anthracene	0.5-1	2.9	5.3
Benzo(B)Fluoranthene	0.5-1	2.9	5.4
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	4.3
Dibenz(A,H)Anthracene	0.5-1	0.29	0.92

SWMU191-2-2			11/19/2013
Analyte	Depth_ft	SL Ind	Result
Arsenic	0.5-1	3 (22)	28.9 J

AOCE-1-3			11/19/2013
Analyte	Depth_ft	SL Ind	Result
Benzo(A)Anthracene	0.5-1	2.9	0.35 J
Benzo(A)Anthracene	7-8	2.9	32
Benzo(B)Fluoranthene	0.5-1	2.9	0.99
Benzo(B)Fluoranthene	7-8	2.9	19
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	0.52 J
Benzo[A]Pyrene	7-8	0.29 (0.69)	20
Dibenz(A,H)Anthracene	0.5-1	0.29	0.39 J
Dibenz(A,H)Anthracene	7-8	0.29	2.9
Indeno (1,2,3-CD) Pyrene	0.5-1	2.9	0.54 J
Indeno (1,2,3-CD) Pyrene	7-8	2.9	7.8
Naphthalene	0.5-1	17	0.33 J
Naphthalene	7-8	17	28

AOCA-3			11/28/2012
Analyte	Depth_ft	SL Ind	Result
Arsenic	0.5-1	3 (22)	4.51
Arsenic	8-9	3	8.9

AOCE-3-1			11/19/2013
Analyte	Depth_ft	SL Ind	Result
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	0.85
Dibenz(A,H)Anthracene	0.5-1	0.29	0.32

AOCE-3			11/28/2012
Analyte	Depth_ft	SL Ind	Result
Arsenic	0.5-1	3 (22)	39.6
Arsenic	4-5	3 (22)	5.38
Arsenic	8-9	3 (22)	6.47
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	1.5
Benzo[A]Pyrene	4-5	0.29 (0.69)	<0.004
Benzo[A]Pyrene	8-9	0.29 (0.69)	<0.004
Dibenz(A,H)Anthracene	0.5-1	0.29	0.36
Dibenz(A,H)Anthracene	4-5	0.29	<0.004
Dibenz(A,H)Anthracene	8-9	0.29	<0.004

SWMU191-2			11/10/2012
Analyte	Depth_ft	SL Ind	Result
Arsenic	0.5-1	3 (22)	50.5
Arsenic	7-8	3	6.27
Dibenz(A,H)Anthracene	0.5-1	0.29	0.33
Dibenz(A,H)Anthracene	7-8	0.29	<0.009

HP-72			9/28/2000
Analyte	Depth_ft	SL Ind	Result
Benzo(A)Anthracene	2.5-4	2.9	16
Benzo(B)Fluoranthene	2.5-4	2.9	19
Benzo[A]Pyrene	2.5-4	0.29 (0.69)	15
Cobalt	2.5-4	35	202
Dibenz(A,H)Anthracene	2.5-4	0.29	2.3 J
Indeno (1,2,3-CD) Pyrene	2.5-4	2.9	11

AOCA-5

AOCE-2

AOC E

AOCA-2

AOCE-4

AOCE-3-2

SWMU191-2-1

SWMU191-3

AOC A

SWMU 191

Legend

- Surface Soil Sample (Exceedance)
- Surface Soil Sample (No Exceedance)
- Subsurface Soil Sample (Exceedance)
- Subsurface Soil Sample (No Exceedance)
- No Soil Sample Collected
- SWMU/AOC

For native soil samples, the screening criteria used are EPA Regional Screening Levels for Industrial Soil (SL-Ind). For fill soil samples, the criteria used are the Historic Fill 95% UTL in parenthesis.

Screening Levels are applicable to depths less than 15 ft bgs. As a result, subsurface soil results from samples collected at depths greater than 15 ft bgs are not shown.

J-Analyte present; reported value may not be accurate or precise.
L-Analyte present; reported value may be biased low when the actual value is expected to be higher.

All results are in units mg/kg.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 20 40 80

Feet
1 inch = 40 feet
MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
TEXT SCALE NOT VALID FOR DIFFERENT PAGE SIZE.

AECOM
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4051 Ogletown Road
Newark, DE 19713

AOC A, AOC E, AND SWMU 191 INDUSTRIAL SOIL EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.6
DATA QUALITY CHECK BY: KLD	

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HP-5

AOCE-1		5/22/2013	
Analyte	SL Tap	Result	Result DUP
Benzene	0.45	1 J	1 J
Formaldehyde	0.43	89	60
Naphthalene	0.17	140 J	200 J

AOC E

AOCE-3		5/30/2013
Analyte	SL Tap	Result
Formaldehyde	0.43	16000

AOC A

MW-72-SO		11/21/2014	
Analyte	SL Tap	Result	Result DUP
Formaldehyde	0.43	67 J	77 J

HP-72

SWMU 191

AOCE-9-1		11/18/2013
Analyte	SL Tap	Result
Formaldehyde	0.43	60

AOCE-9-2		11/18/2013
Analyte	SL Tap	Result
Formaldehyde	0.43	91

AOCE-9-3		11/19/2013
Analyte	SL Tap	Result
Formaldehyde	0.43	320 J

Legend

- GW (Exceedance)
- GW (No Exceedance)
- SWMU/AOC

The screening criteria used are EPA Regional Screening Levels for Tap Water (SL Tap).

J-Analyte present; reported value may not be accurate or precise.

All results are in units ug/L.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 20 40 80

Feet
1 inch = 40 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
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AOC A, AOC E, AND SWMU 191 TAP WATER EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 9/10/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.7
DATA QUALITY CHECK BY: KLD	

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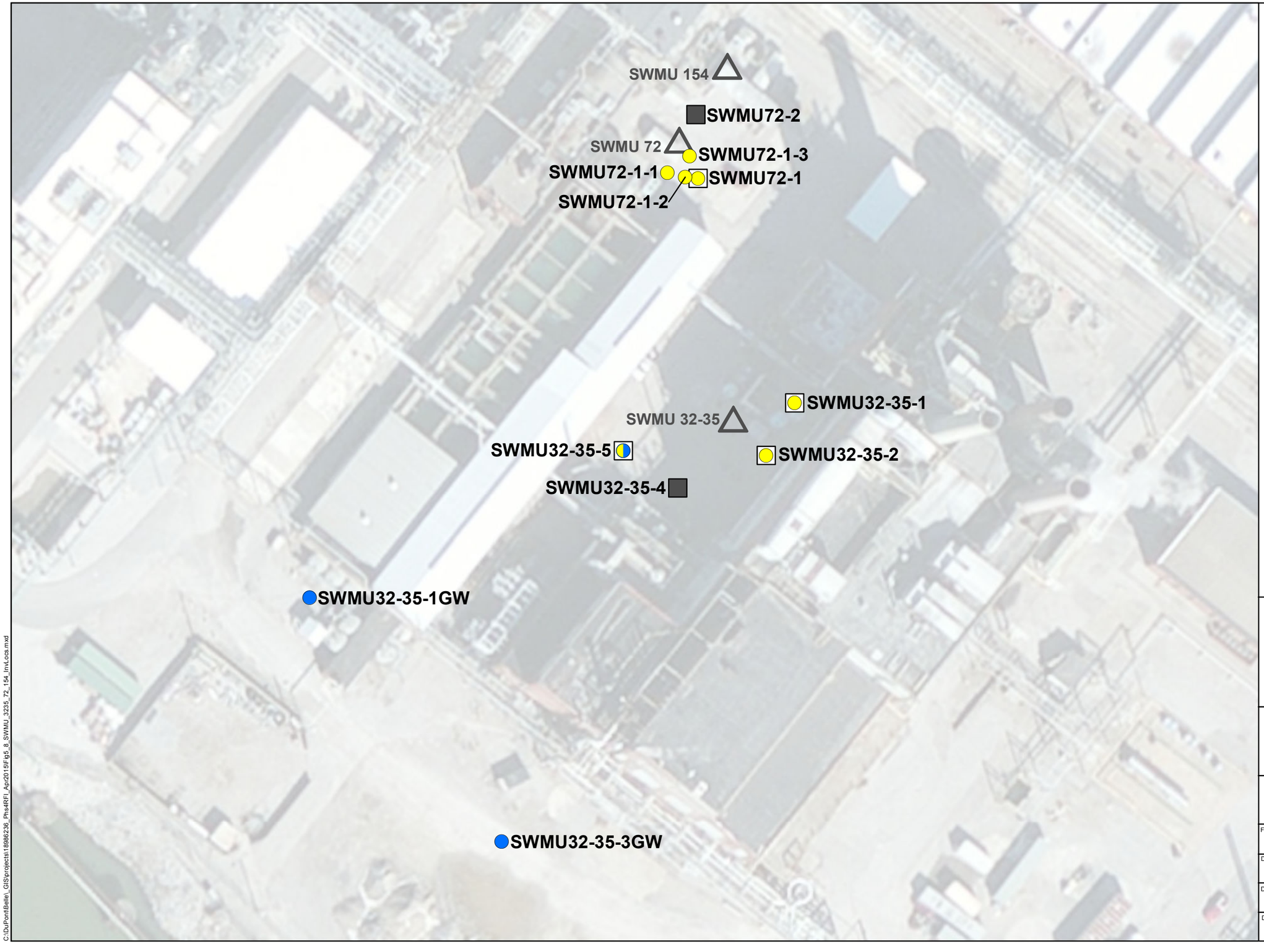

Legend

- Soil Sample Location
- Groundwater Sample Location
- MIPs Boring Location with Soil Sample
- MIPs Boring Location with Soil and Groundwater Samples
- MIPs Boring (No Sample Collected)
- SWMU

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N
W E
S

0 25 50 100

Feet

1 inch = 50 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
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SWMUs 32 - 35, 72, AND 154 INVESTIGATION LOCATIONS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.8
DATA QUALITY CHECK BY: KLD	

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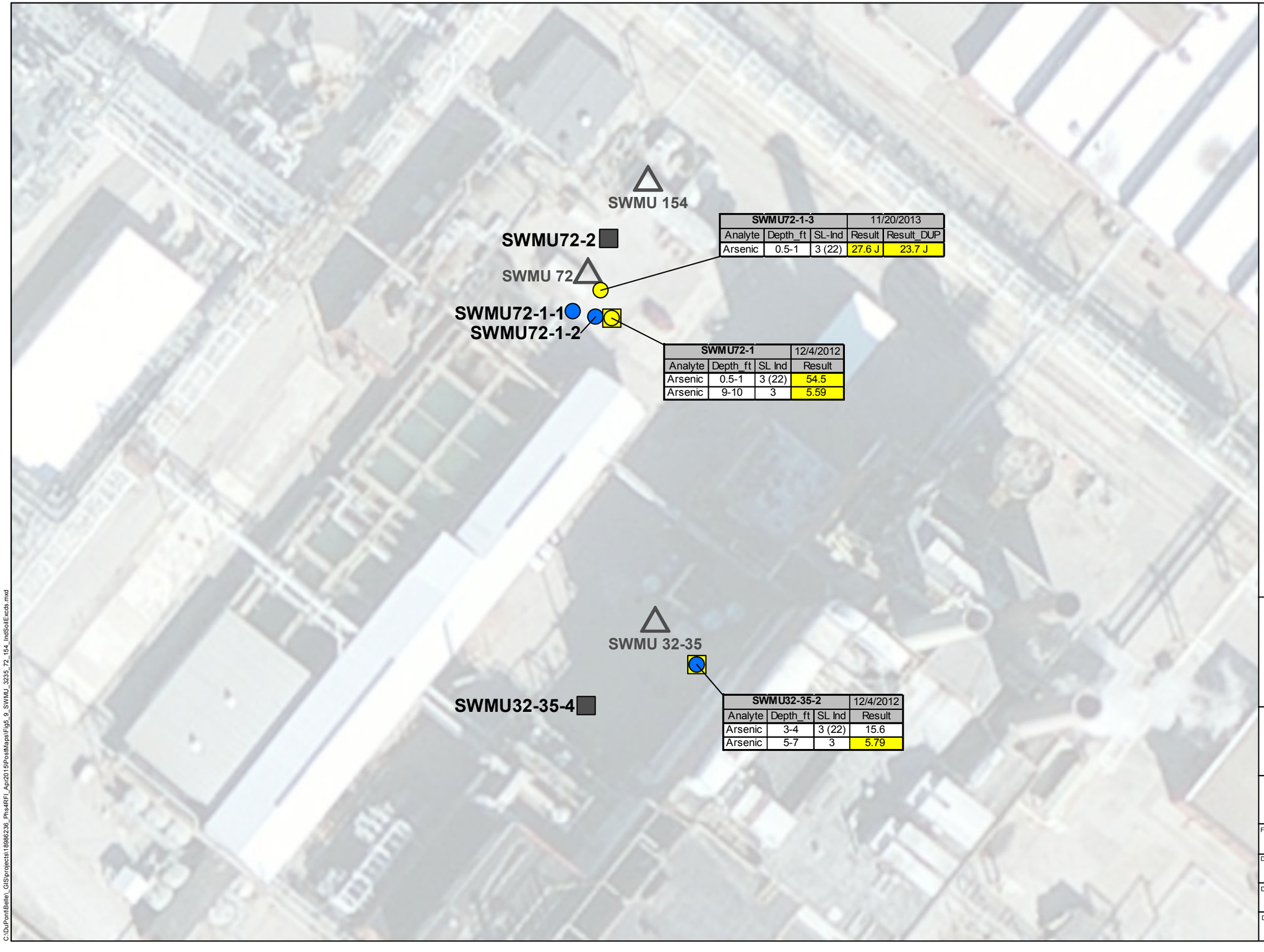

SWMU72-1-3			11/20/2013	
Analyte	Depth_ft	SL-Ind	Result	Result_DUP
Arsenic	0.5-1	3 (22)	27.6 J	23.7 J

SWMU72-1			12/4/2012
Analyte	Depth_ft	SL Ind	Result
Arsenic	0.5-1	3 (22)	54.5
Arsenic	9-10	3	5.59

SWMU32-35-2			12/4/2012
Analyte	Depth_ft	SL Ind	Result
Arsenic	3-4	3 (22)	15.6
Arsenic	5-7	3	5.79

Legend

- Surface Soil Sample (Exceedance)
- Surface Soil Sample (No Exceedance)
- Subsurface Soil Sample (Exceedance)
- No Soil Sample Collected
- SWMU

For native soil samples, the screening criteria used are EPA Regional Screening Levels for Industrial Soil (SL-Ind). For fill soil samples, the criteria used are the Historic Fill 95% UTL in parenthesis.

Screening Levels are applicable to depths less than 15 ft bgs. As a result, subsurface soil results from samples collected at depths greater than 15 ft bgs are not shown.

J-Analyte present; reported value may not be accurate or precise.

All results are in units mg/kg.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 20 40 80

Feet

1 inch = 40 feet

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SWMUs 32-35, 72, AND154 INDUSTRIAL SOIL EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.9
DATA QUALITY CHECK BY: KLD	

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SWMU 154

SWMU 72

SWMU 32-35

SWMU32-35-5		5/28/2013
Analyte	SL Tap	Result
Formaldehyde	0.43	980
Naphthalene	0.17	0.6

SWMU32-35-1GW

SWMU32-35-3GW		11/20/2013	
Analyte	SL Tap	Result	Result DUP
Formaldehyde	0.43	210 J	130 J

Legend

- GW (Exceedance)
- GW (No Exceedance)
- SWMU

The screening criteria used are EPA Regional Screening Levels for Tap Water (SL Tap).

J-Analyte present; reported value may not be accurate or precise.

All results are in units ug/L.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 25 50 100

Feet

1 inch = 50 feet

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SWMUs 32-35, 72, AND 154 TAP WATER EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 9/10/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.10
DATA QUALITY CHECK BY: KLD	

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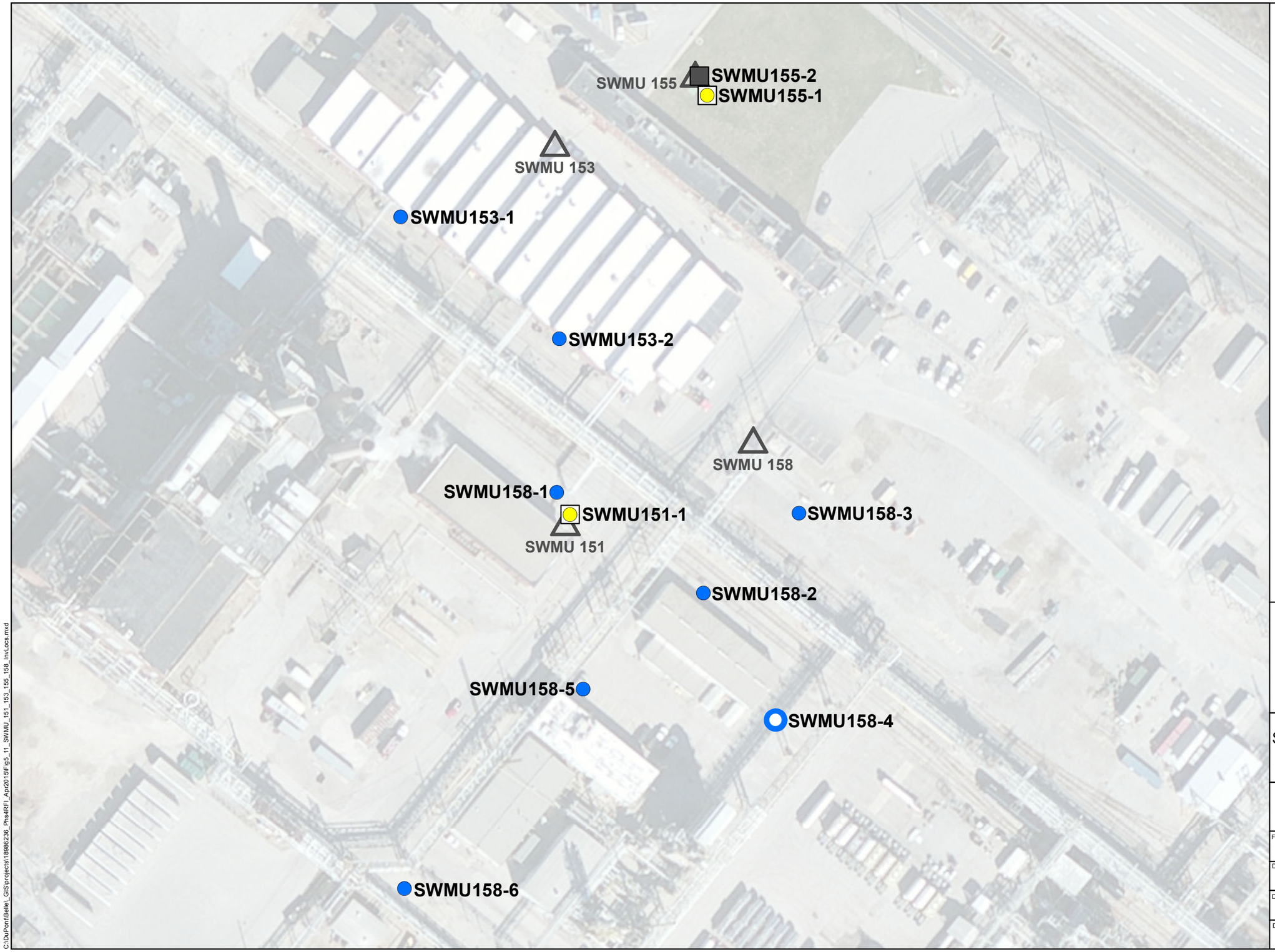

Legend

- Groundwater Sample Location
- MIPs Boring Location with Soil Sample
- MIPs Boring (No Sample Collected)
- Dry Well Location
- SWMU

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 40 80 160

Feet

1 inch = 80 feet

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SWMUs 151, 153, 155, AND 158 INVESTIGATION LOCATIONS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.11
DATA QUALITY CHECK BY: KLD	

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SWMU 155

SWMU155-2

SWMU 153

SWMU155-1			12/3/2012
Analyte	Depth_ft	SL Ind	Result
Arsenic	0.5-1	3 (22)	4.71
Arsenic	12-13	3	4.18

SWMU 158

SWMU151-1

SWMU 151

Legend

- Surface Soil Sample (Exceedance)
- Surface Soil Sample (No Exceedance)
- Subsurface Soil Sample (Exceedance)
- Subsurface Soil Sample (No Exceedance)
- No Soil Sample Collected
- SWMU

For native soil samples, the screening criteria used are EPA Regional Screening Levels for Industrial Soil (SL-Ind). For fill soil samples, the criteria used are the Historic Fill 95% UTL in parenthesis.

Screening Levels are applicable to depths less than 15 ft bgs. As a result, subsurface soil results from samples collected at depths greater than 15 ft bgs are not shown.

All results are in units mg/kg.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N
W E
S

0 25 50 100

Feet

1 inch = 50 feet

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SWMUs 151, 153, 155, AND158 INDUSTRIAL SOIL EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.12
DATA QUALITY CHECK BY: KLD	

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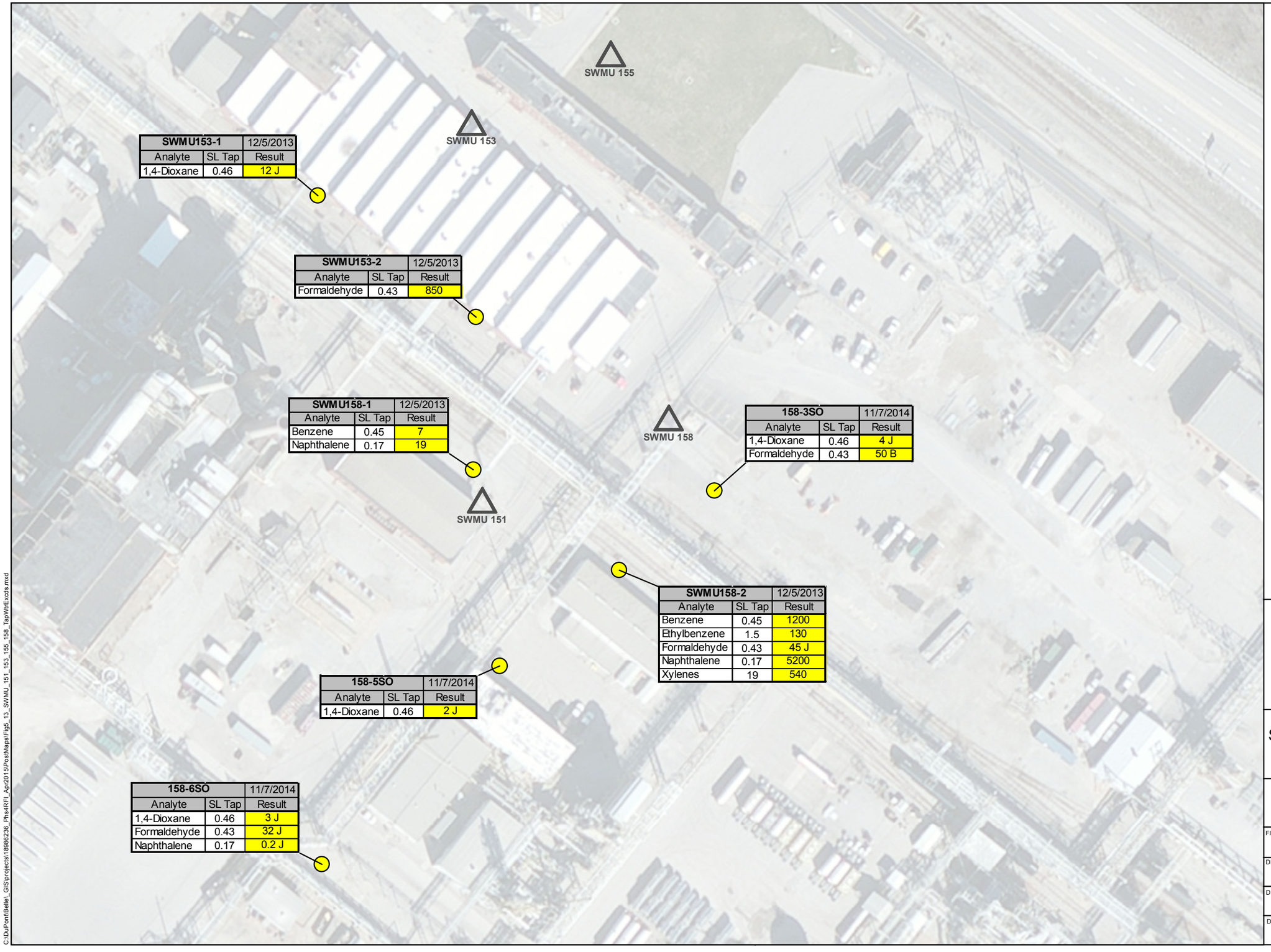

Legend

GW (Exceedance)

SWMU

The screening criteria used are EPA Regional Screening Levels for Tap Water (SL Tap).

J-Analyte present; reported value may not be accurate or precise.

B-Not detected substantially above the level reported in the laboratory or field blanks.

All results are in units ug/L.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

0 40 80 160

Feet

1 inch = 80 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
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SWMUs 151, 153, 155, AND158 TAP WATER EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 9/15/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.13
DATA QUALITY CHECK BY: KLD	

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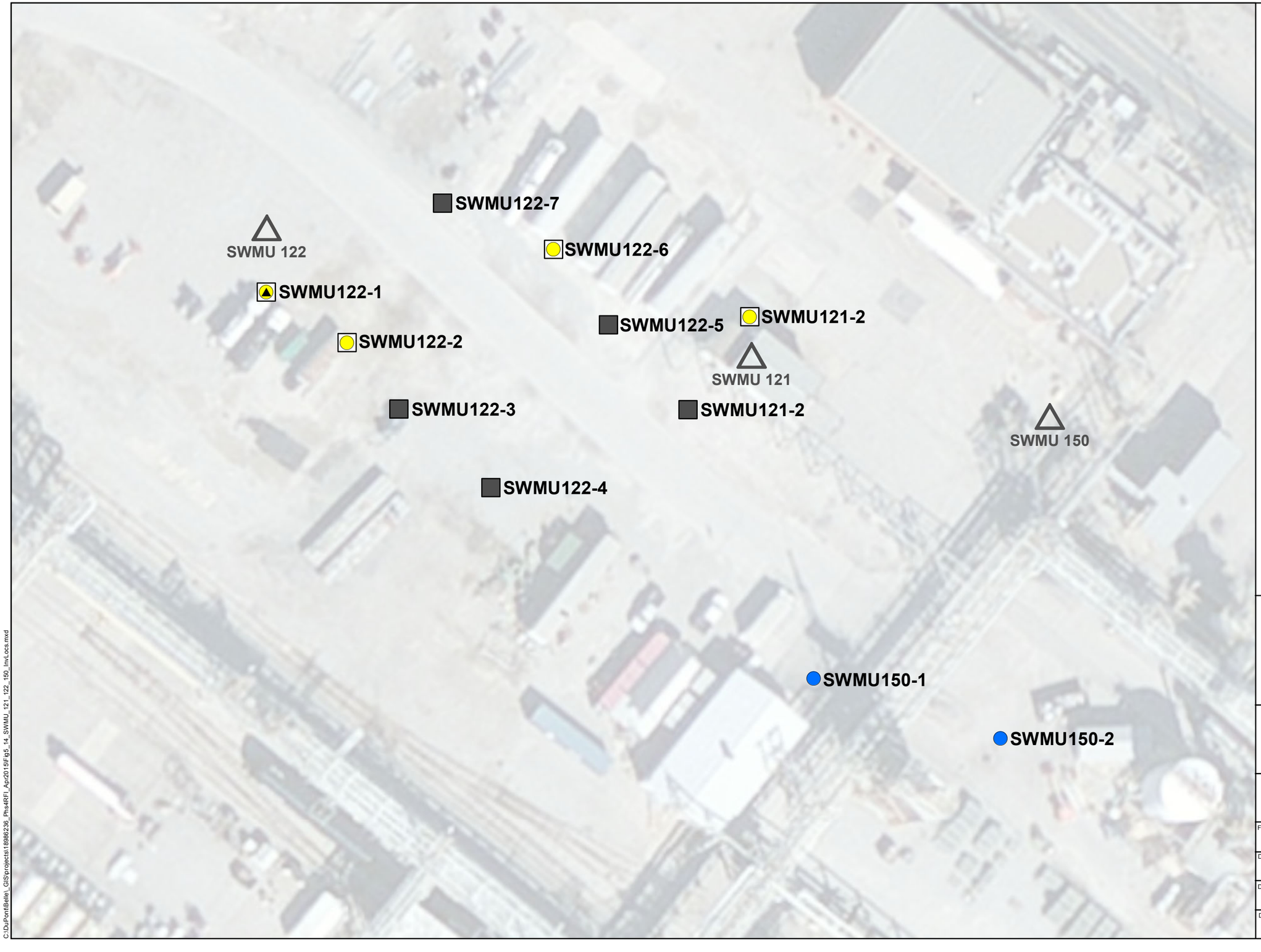

Legend

- Groundwater Sample Location
- MIPs Boring Location with Soil Sample
- MIPs Boring Location with Soil and Soil Vapor Samples
- MIPs Boring (No Sample Collected)
- SWMU

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 20 40 80

Feet

1 inch = 40 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
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SWMUs 121, 122, AND 150 INVESTIGATION LOCATIONS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.14
DATA QUALITY CHECK BY: KLD	

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SWMU122-6			11/29/2012
Analyte	Depth_ft	SL Ind	Result
Arsenic	2-3	3 (22)	8.82
Arsenic	10-11	3	8.2

SWMU121-2			11/29/2012
Analyte	Depth_ft	SL Ind	Result
Arsenic	2-3	3 (22)	35.4
Arsenic	10-11	3	6.34

SWMU122-7

SWMU 122

SWMU122-1

SWMU122-5

SWMU 121

SWMU122-3

SWMU121-1

SWMU 150

SWMU122-4

Legend

- Subsurface Soil Sample (Exceedance)
- Subsurface Soil Sample (No Exceedance)
- No Soil Sample Collected
- SWMU

For native soil samples, the screening criteria used are EPA Regional Screening Levels for Industrial Soil (SL-Ind). For fill soil samples, the criteria used are the Historic Fill 95% UTL in parenthesis.

Screening Levels are applicable to depths less than 15 ft bgs. As a result, subsurface soil results from samples collected at depths greater than 15 ft bgs are not shown.

All results are in units mg/kg.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 20 40 80

Feet

1 inch = 40 feet

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SWMUs 121, 122, AND 150 INDUSTRIAL SOIL EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.15
DATA QUALITY CHECK BY: KLD	

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SWMU 122

SWMU 121

SWMU 150

SWMU150-1		12/5/2013
Analyte	SL Tap	Result
1,4-Dioxane	0.46	19 J
Benzene	0.45	5
Formaldehyde	0.43	100
Naphthalene	0.17	22

SWMU150-2		12/5/2013
Analyte	SL Tap	Result
Benzene	0.45	3 J
Formaldehyde	0.43	62
Naphthalene	0.17	24

Legend

GW (Exceedance)

SWMU

The screening criteria used are EPA Regional Screening Levels for Tap Water (SL Tap).

J-Analyte present; reported value may not be accurate or precise.

All results are in units ug/L.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 20 40 80

Feet

1 inch = 40 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
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SWMUs 121, 122, AND 150 TAP WATER EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 9/15/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.16
DATA QUALITY CHECK BY: KLD	

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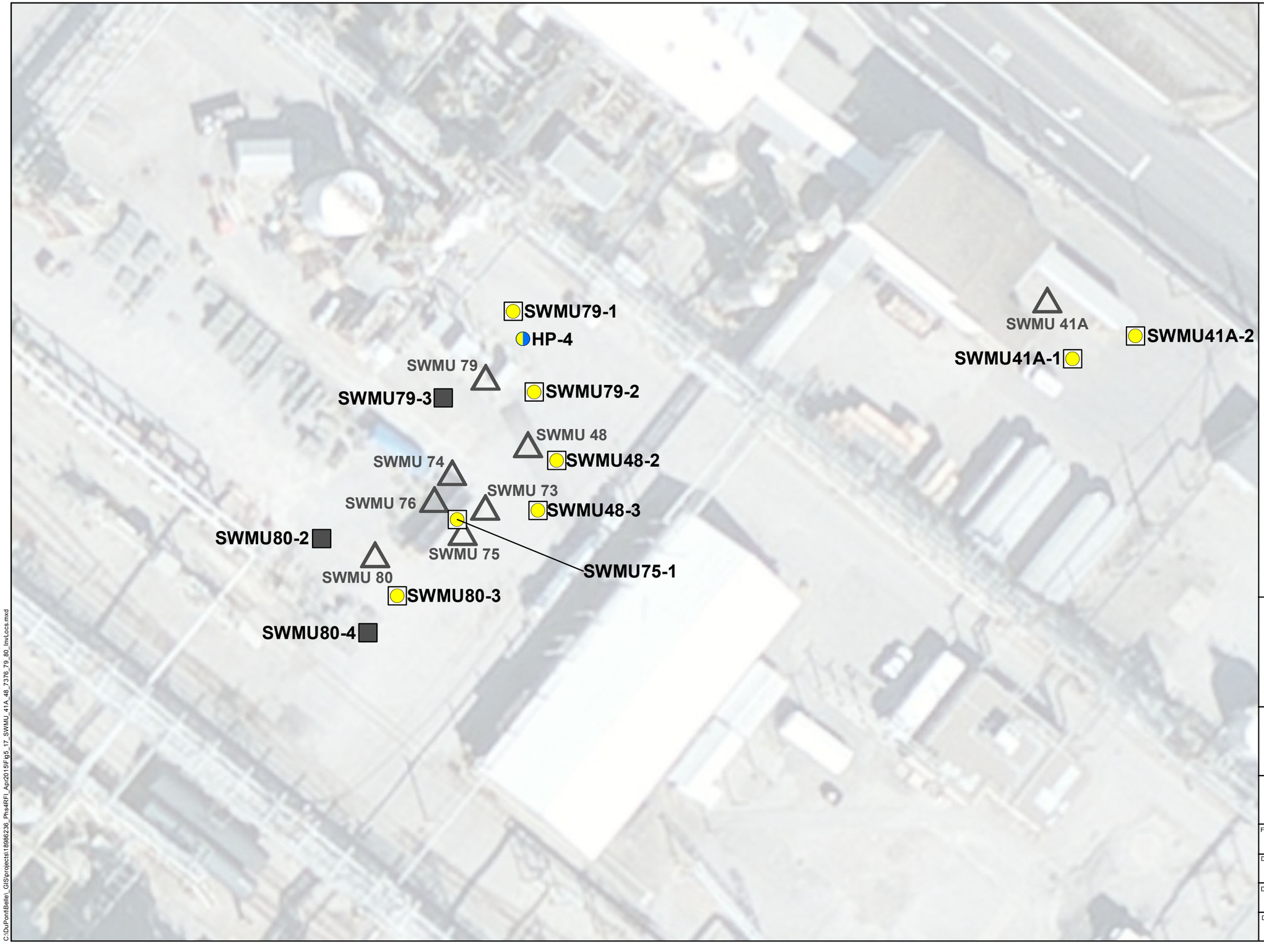

Legend

- Soil and Groundwater Sample Location
- MIPs Boring Location with Soil Sample
- MIPs Boring (No Sample Collected)
- SWMU

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 20 40 80

Feet

1 inch = 40 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
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SWMUs 41A, 48, 73 - 76, 79, AND 80 INVESTIGATION LOCATIONS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.17
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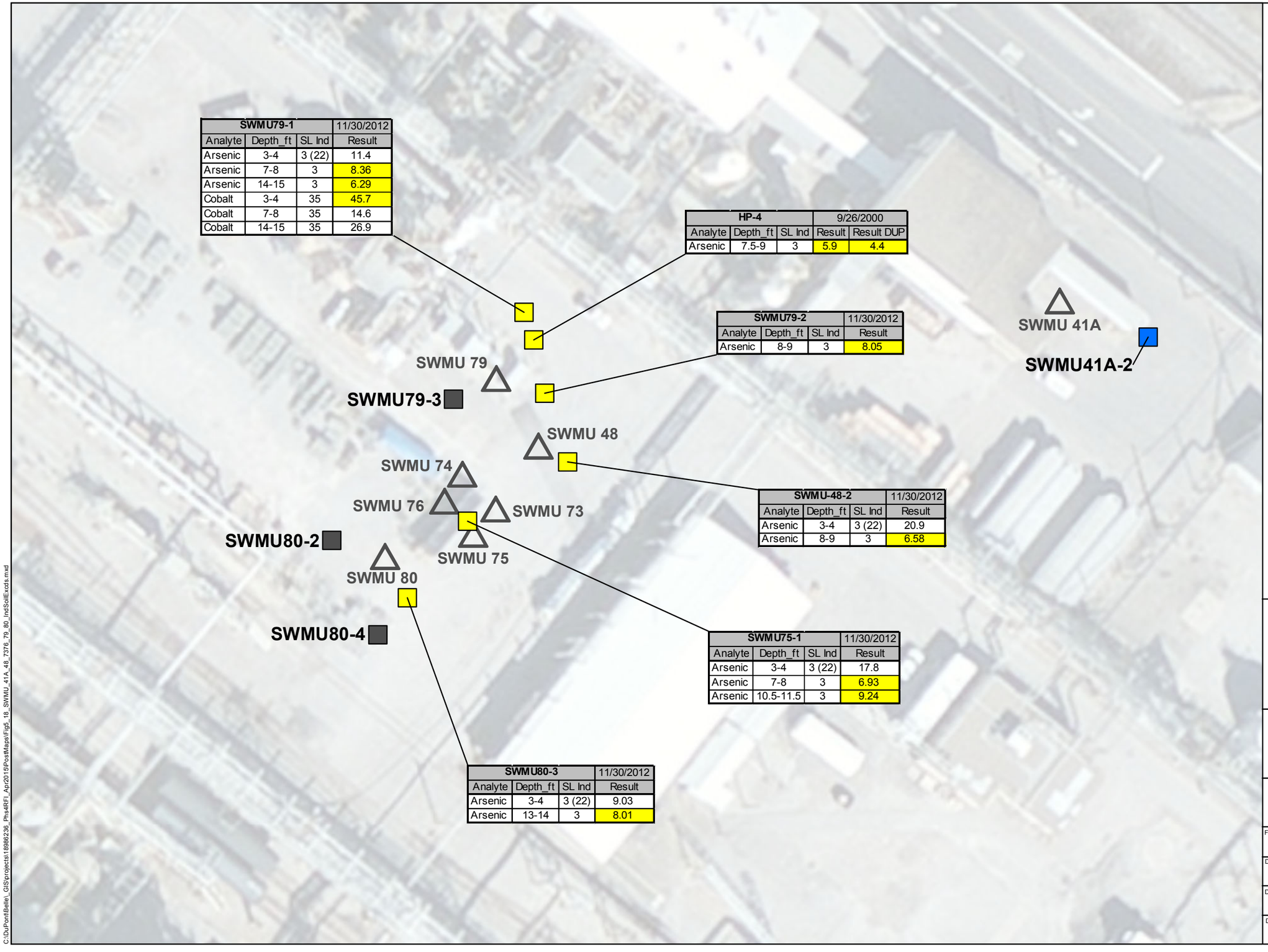

Legend

- Subsurface Soil Sample (Exceedance)
- Subsurface Soil Sample (No Exceedance)
- No Soil Sample Collected
- SWMU

For native soil samples, the screening criteria used are EPA Regional Screening Levels for Industrial Soil (SL-Ind). For fill soil samples, the criteria used are the Historic Fill 95% UTL in parenthesis.

Screening Levels are applicable to depths less than 15 ft bgs. As a result, subsurface soil results from samples collected at depths greater than 15 ft bgs are not shown.

All results are in units mg/kg.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

0 20 40 80
Feet
1 inch = 40 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
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SWMUs 41A, 48, 73 - 76, 79, AND 80 INDUSTRIAL SOIL EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.18
DATA QUALITY CHECK BY: KLD	

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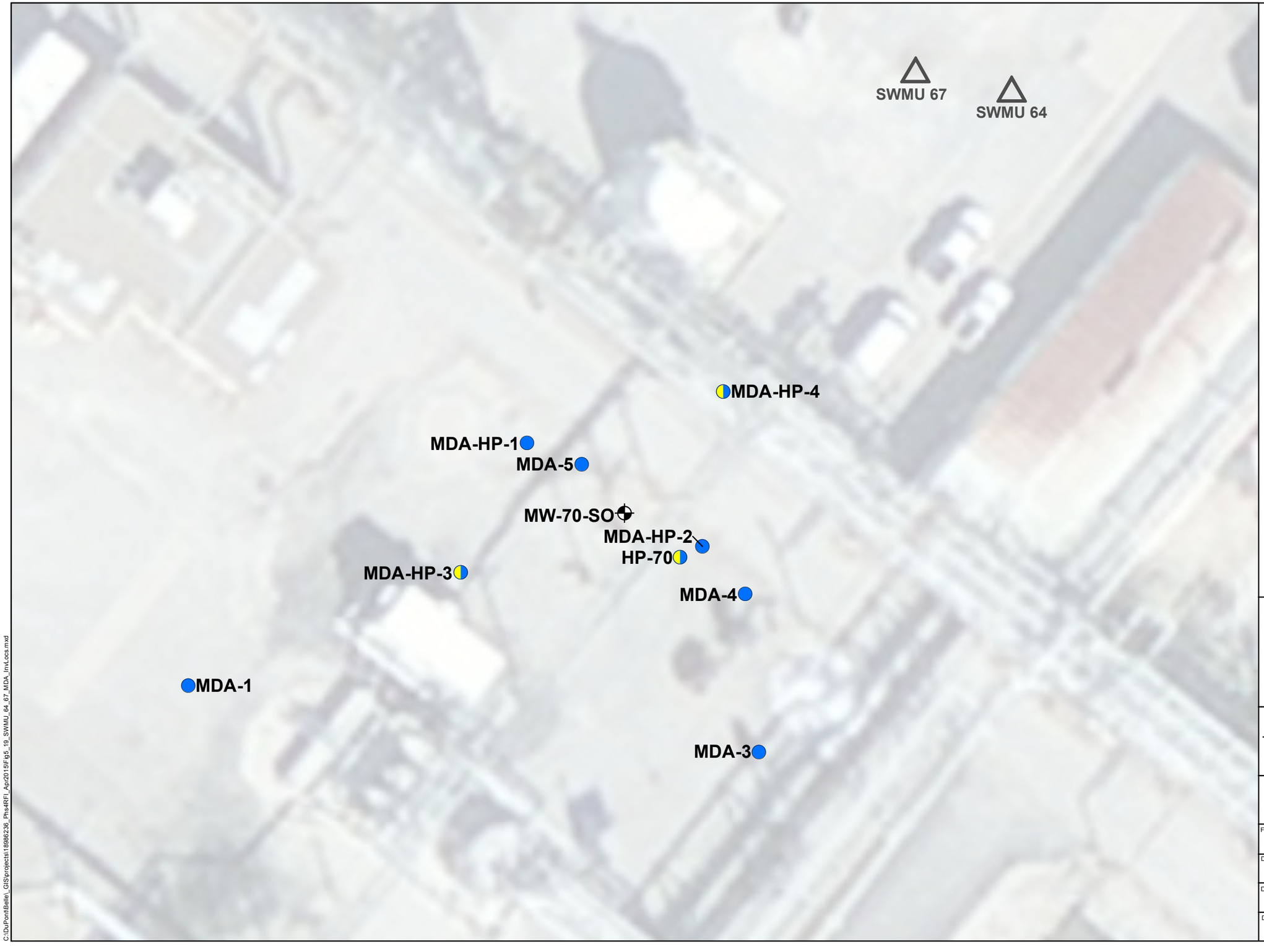

Legend

- Monitoring Well Location
- Groundwater Sample Location
- Soil and Groundwater Sample Location
- SWMU

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 10 20 40

Feet

1 inch = 20 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
TEXT SCALE NOT VALID FOR DIFFERENT PAGE SIZE.

AECOM
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Newark, DE 19713

SWMUs 64 AND 67, AND THE METHYLENE DIANILINE AREA INVESTIGATION LOCATIONS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.19
DATA QUALITY CHECK BY: KLD	

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SWMU 67

SWMU 64

MDA-HP-4			12/13/2002
Analyte	Depth_ft	SL Ind	Result
Mercury	1-3	35	78

MDA-HP-3

HP-70

Legend

- Subsurface Soil Sample (Exceedance)
- Subsurface Soil Sample (No Exceedance)
- SWMU

For native soil samples, the screening criteria used are EPA Regional Screening Levels for Industrial Soil (SL-Ind). For fill soil samples, the criteria used are the Historic Fill 95% UTL in parenthesis.

Screening Levels are applicable to depths less than 15 ft bgs. As a result, subsurface soil results from samples collected at depths greater than 15 ft bgs are not shown.

All other results are in units mg/kg.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 10 20 40

Feet

1 inch = 20 feet

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SWMUs 64 AND 67, AND THE METHYLENE DIANILINE AREA INDUSTRIAL SOIL EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.20
DATA QUALITY CHECK BY: KLD	

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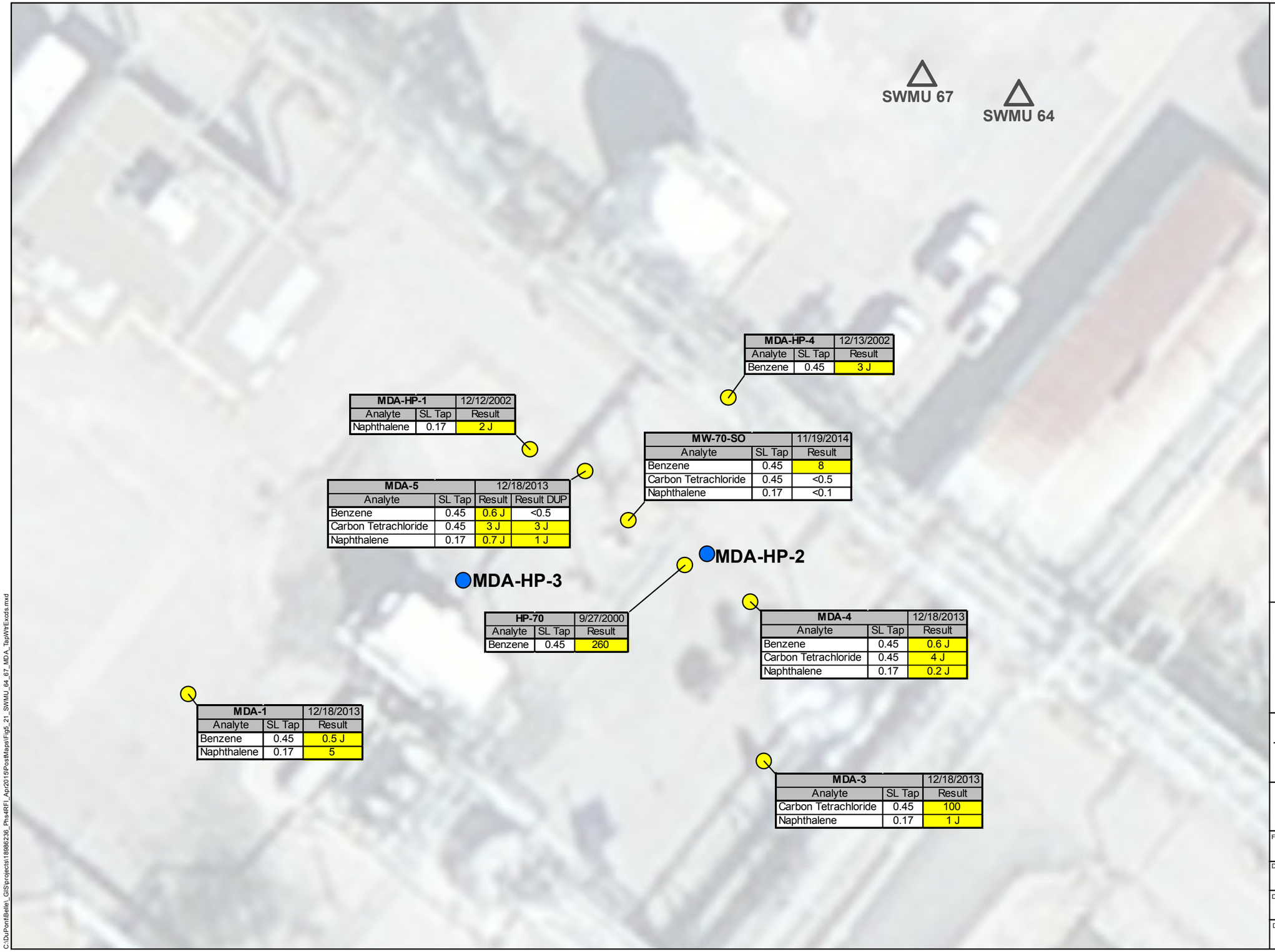

Legend

- GW (Exceedance)
- GW (No Exceedance)
- SWMU

The screening criteria used are EPA Regional Screening Levels for Tap Water (SL Tap).

J-Analyte present; reported value may not be accurate or precise.

All results are in units ug/L.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

0 10 20 40
Feet
1 inch = 20 feet

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SWMUs 64 AND 67, AND THE METHYLENE DIANILINE AREA TAP WATER EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.21
DATA QUALITY CHECK BY: KLD	

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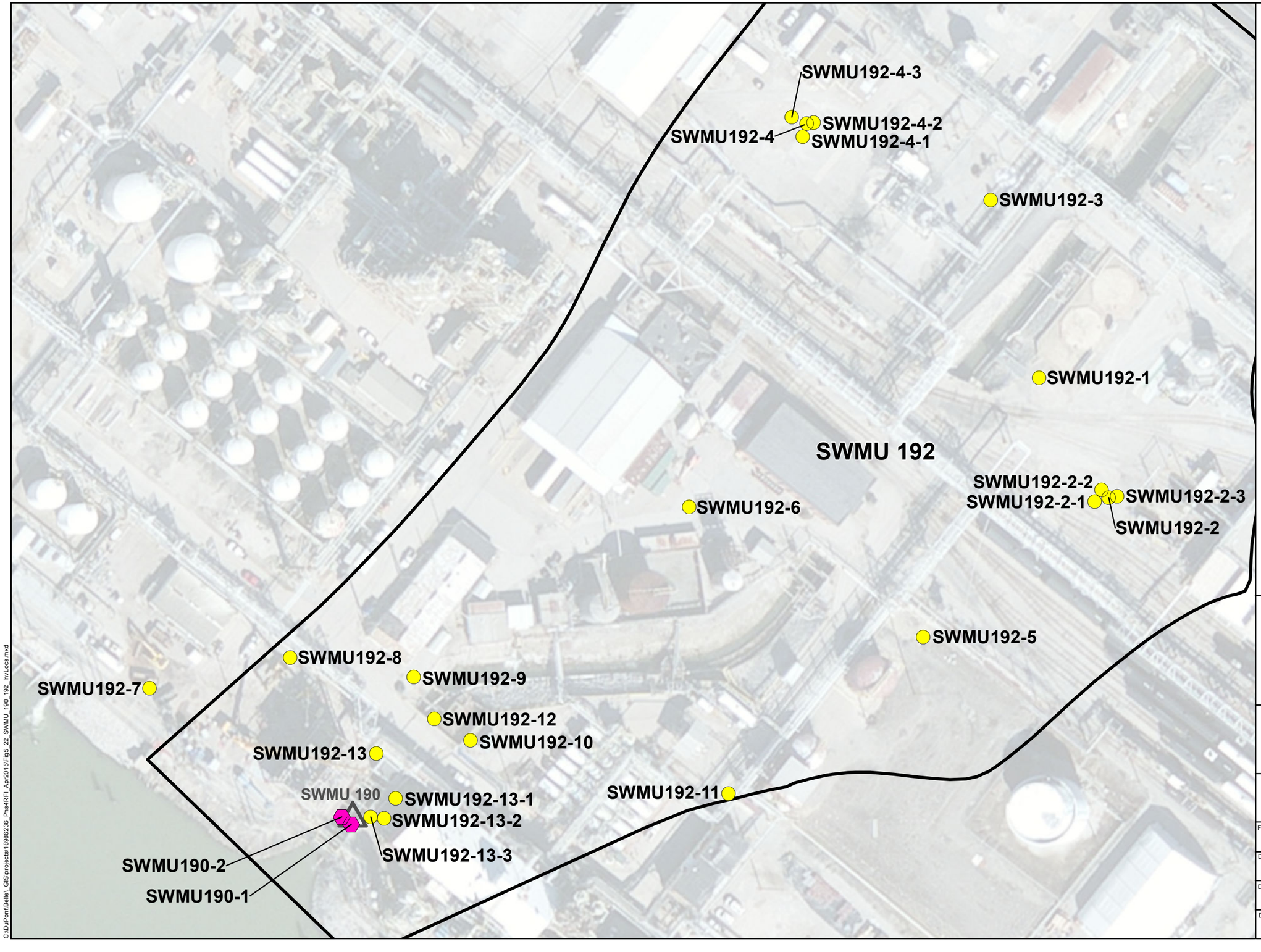

Legend

- Soil Sample Location
- Sediment Sample Location
- SWMU
- SWMU 192

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

0 40 80 160
Feet
1 inch = 80 feet

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SWMUs 190 AND 192 INVESTIGATION LOCATIONS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.22
DATA QUALITY CHECK BY: KLD	

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SWMU192-4-3			12/10/2013
Analyte	Depth_ft	SL Ind	Result
Benzo(A)Anthracene	3-4	2.9	3.7 J
Benzo(B)Fluoranthene	3-4	2.9	4.5 J
Benzo[A]Pyrene	3-4	0.29 (0.69)	3.3 J
Dibenz(A,H)Anthracene	3-4	0.29	0.65

SWMU192-4-2			12/10/2013
Analyte	Depth_ft	SL Ind	Result
Benzo(B)Fluoranthene	3-4	2.9	4.1
Benzo[A]Pyrene	3-4	0.29 (0.69)	2.5
Dibenz(A,H)Anthracene	3-4	0.29	0.56

SWMU192-4-1			12/10/2013
Analyte	Depth_ft	SL Ind	Result
Benzo(A)Anthracene	3-4	2.9	1.9
Benzo(A)Anthracene	7-8	2.9	2.9
Benzo(B)Fluoranthene	3-4	2.9	2.5
Benzo(B)Fluoranthene	7-8	2.9	4.1
Benzo[A]Pyrene	3-4	0.29 (0.69)	1.8
Benzo[A]Pyrene	7-8	0.29 (0.69)	2.8
Dibenz(A,H)Anthracene	3-4	0.29	0.37
Dibenz(A,H)Anthracene	7-8	0.29	0.5

SWMU192-3

SWMU192-4			2/21/2013
Analyte	Depth_ft	SL Ind	Result
Benzo(A)Anthracene	0.5-1	2.9	0.23
Benzo(A)Anthracene	3-4	2.9	4.2
Benzo(B)Fluoranthene	0.5-1	2.9	0.31
Benzo(B)Fluoranthene	3-4	2.9	5.8
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	0.22
Benzo[A]Pyrene	3-4	0.29 (0.69)	3.8
Dibenz(A,H)Anthracene	0.5-1	0.29	0.035
Dibenz(A,H)Anthracene	3-4	0.29	0.67

SWMU192-1

SWMU192-2-2			12/10/2013
Analyte	Depth_ft	SL Ind	Result
2,3,7,8-TCDD Total TEQ	0.5-1	22	36.1

SWMU192-2-1			12/10/2013
Analyte	Depth_ft	SL Ind	Result
2,3,7,8-TCDD Total TEQ	0.5-1	22	362

SWMU 192

SWMU192-6

SWMU192-2			2/22/2013
Analyte	Depth_ft	SL Ind	Result
2,3,7,8-TCDD Total TEQ	0.5-1	22	231
2,3,7,8-TCDD Total TEQ	11-12	22	0.288
Arsenic	0.5-1	3 (22)	3.55
Arsenic	11-12	3	4.89

SWMU192-5

SWMU192-13			2/20/2013
Analyte	Depth_ft	SL Ind	Result
Arsenic	0.5-1	3 (22)	9.63
Arsenic	7-8	3	4.78
Benzo(B)Fluoranthene	0.5-1	2.9	3.4
Benzo(B)Fluoranthene	7-8	2.9	0.016 J
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	2.5
Benzo[A]Pyrene	7-8	0.29	0.01 J
Dibenz(A,H)Anthracene	0.5-1	0.29	0.4
Dibenz(A,H)Anthracene	7-8	0.29	<0.004

SWMU192-8

SWMU192-7

SWMU192-12			2/19/2013
Analyte	Depth_ft	SL Ind	Result
Arsenic	0.5-1	3 (22)	2.62
Arsenic	9-10	3	8.9
Arsenic	14-15	3	7.08

SWMU192-9

SWMU192-10

SWMU192-2-3			12/10/2013	
Analyte	Depth_ft	SL Ind	Result	Result DUP
2,3,7,8-TCDD Total TEQ	0.5-1	22	126	311

SWMU 190

SWMU192-13-1

SWMU190-2

SWMU192-13-2

SWMU192-13-3

SWMU190-1

SWMU192-11			2/20/2013
Analyte	Depth_ft	SL Ind	Result
Arsenic	0.5-1	3 (22)	5.94
Arsenic	14-15	3	6.86

Legend

- Surface Soil Sample (Exceedance)
- Surface Soil Sample (No Exceedance)
- Subsurface Soil Sample (Exceedance)
- Subsurface Soil Sample (No Exceedance)
- Sediment Sample (No Exceedance)
- SWMU
- SWMU 192

For native soil samples, the screening criteria used are EPA Regional Screening Levels for Industrial Soil (SL-Ind). For fill soil samples, the criteria used are the Historic Fill 95% UTL in parenthesis.

Screening Levels are applicable to depths less than 15 ft bgs. As a result, subsurface soil results from samples collected at depths greater than 15 ft bgs are not shown.

J-Analyte present; reported value may not be accurate or precise.

Dioxin anf Furan results were converted to toxicity equivalency in ng/kg.
All other results are in units mg/kg.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

0 40 80 160

Feet
1 inch = 80 feet

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SWMUs 190 AND 192 INDUSTRIAL SOIL EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.23
DATA QUALITY CHECK BY: KLD	

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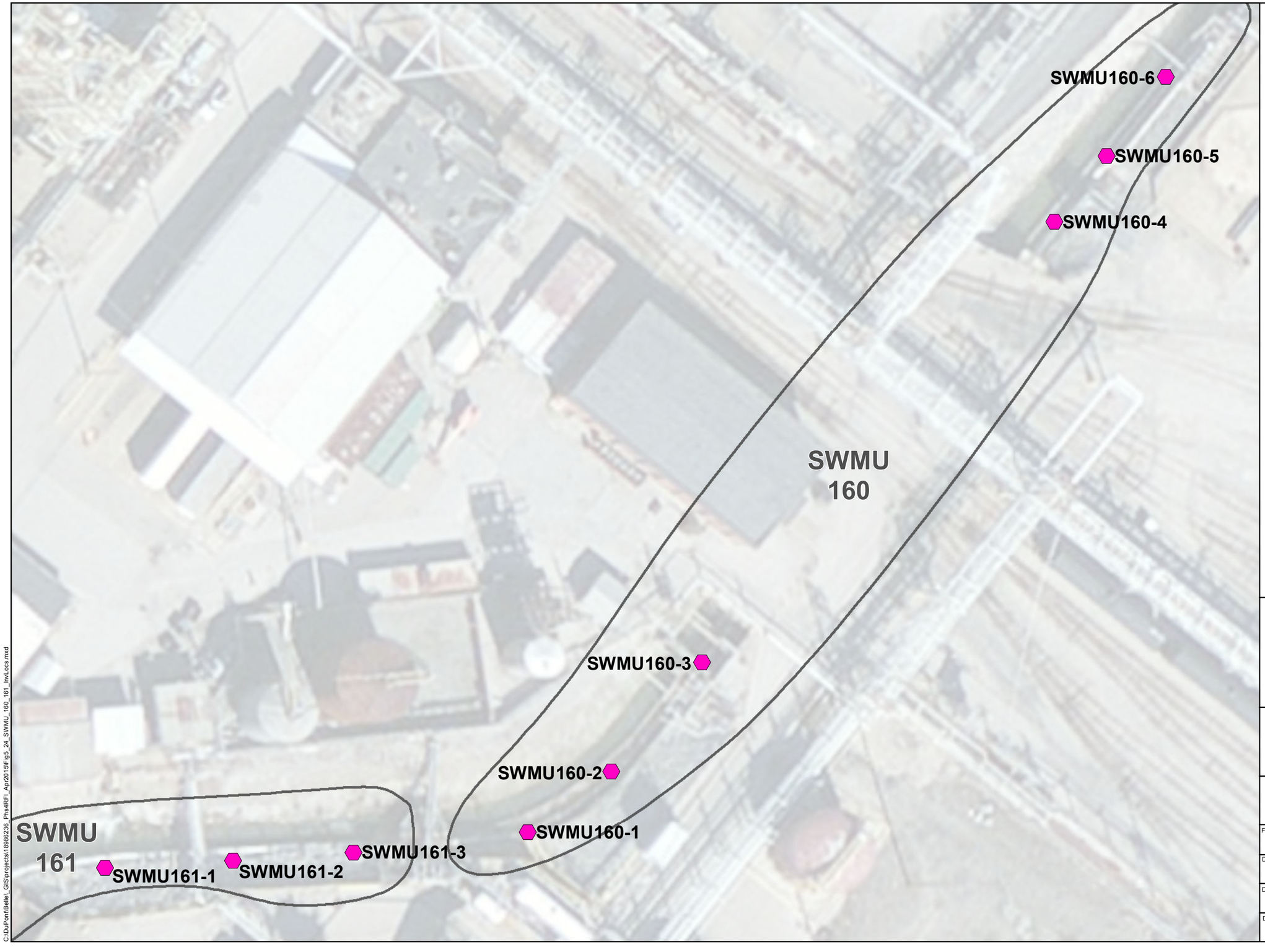

Legend

- Sediment Sample Location
- SWMU

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N
W E
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0 20 40 80

Feet
1 inch = 40 feet

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SWMUs 160 AND 161 INVESTIGATION LOCATIONS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.24
DATA QUALITY CHECK BY: KLD	

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SWMU160-6			5/6/2013
Analyte	Depth_ft	SL Ind	Result
Arsenic	-	3	3.86 J

SWMU160-5			5/6/2013
Analyte	Depth_ft	SL Ind	Result
Arsenic	-	3	3.23 J

SWMU160-4			5/6/2013
Analyte	Depth_ft	SL Ind	Result
Arsenic	-	3	6.39 J

SWMU 160

SWMU161-1			5/7/2013
Analyte	Depth_ft	SL Ind	Result
3-Methylcholanthrene	-	0.10	0.59
Benzo(A)Anthracene	-	2.9	16
Benzo(B)Fluoranthene	-	2.9	19
Benzo[A]Pyrene	-	0.29	12
Dibenz(A,H)Anthracene	-	0.29	2.6
Indeno (1,2,3-CD) Pyrene	-	2.9	7.4

SWMU161-2			5/7/2013
Analyte	Depth_ft	SL Ind	Result
Arsenic	-	3	4.2 J

SWMU161-3			5/7/2013
Analyte	Depth_ft	SL Ind	Result
Arsenic	-	3	4.02 J

SWMU 161

SWMU160-3			5/6/2013
Analyte	Depth_ft	SL Ind	Result
Arsenic	-	3	4.18 J

SWMU160-2			5/6/2013
Analyte	Depth_ft	SL Ind	Result
Arsenic	-	3	6.31 J

SWMU160-1			5/6/2013
Analyte	Depth_ft	SL Ind	Result
Arsenic	-	3	5.02 J
Benzo[A]Pyrene	-	0.29	0.34

Legend

Sediment Sample (Exceedance)

SWMU

For native soil samples, the screening criteria used are EPA Regional Screening Levels for Industrial Soil (SL-Ind). For fill soil samples, the criteria used are the Historic Fill 95% UTL in parenthesis.

Screening Levels are applicable to depths less than 15 ft bgs. As a result, subsurface soil results from samples collected at depths greater than 15 ft bgs are not shown.

J-Analyte present; reported value may not be accurate or precise.

All other results are in units mg/kg.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 20 40 80

Feet

1 inch = 40 feet

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SWMUs 160 AND 161 INDUSTRIAL SOIL EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.25
DATA QUALITY CHECK BY: KLD	

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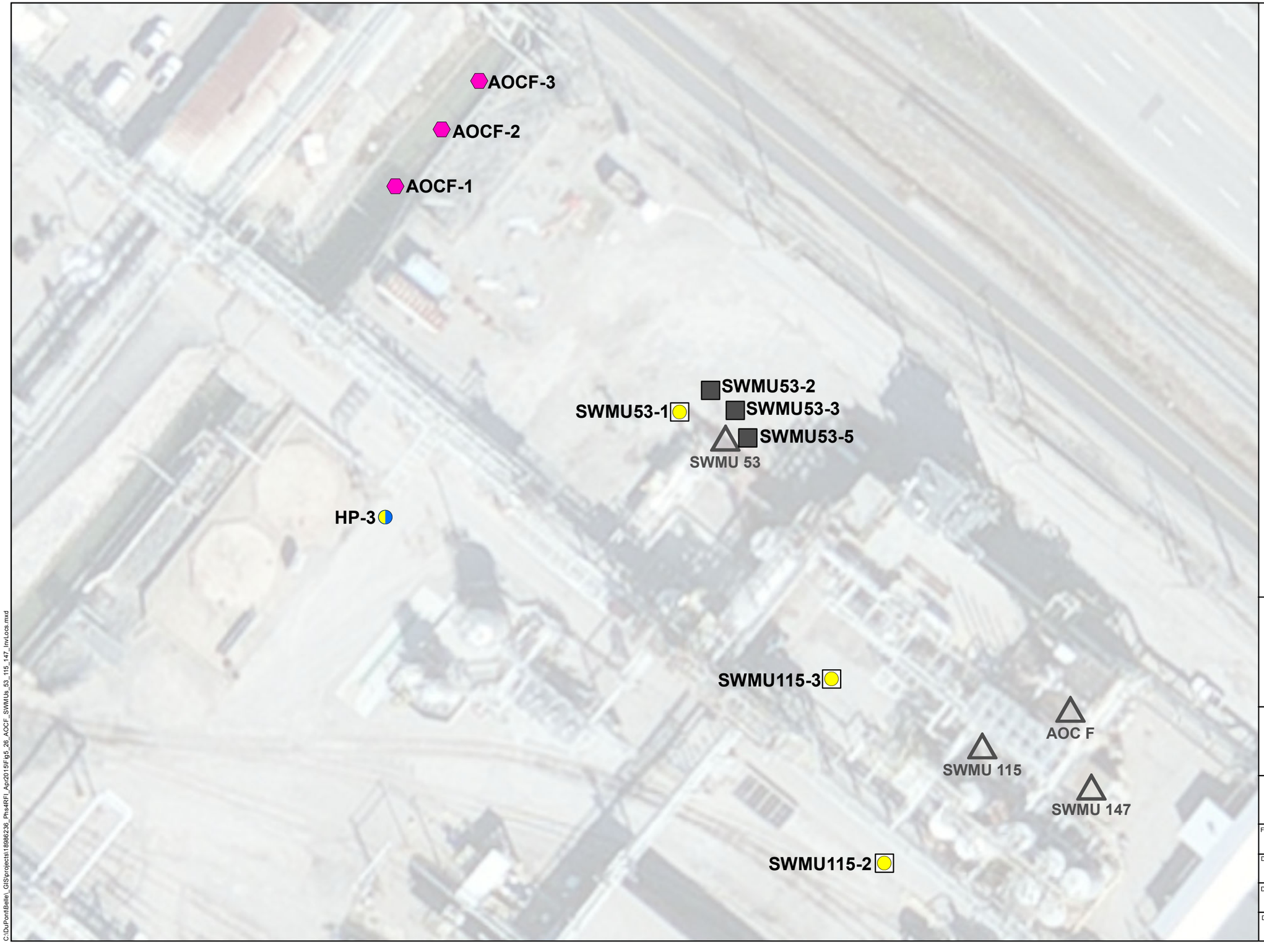

Legend

- Soil and Groundwater Sample Location
- Sediment Sample Location
- MIPs Boring Location with Soil Sample
- MIPs Boring (No Sample Collected)
- SWMU/AOC

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 20 40 80

Feet

1 inch = 40 feet

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AOC F AND SWMUs 53, 115, AND 147 INVESTIGATION LOCATIONS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.26
DATA QUALITY CHECK BY: KLD	

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Legend

- Soil Sample Location
- Groundwater Sample Location
- SWMU

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N
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0 20 40 80
Feet
1 inch = 40 feet

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SWMU 148
INVESTIGATION LOCATIONS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.27
DATA QUALITY CHECK BY: KLD	

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148-4SO		11/10/2014
Analyte	SL Tap	Result
Naphthalene	0.17	0.4 J

148-4DO		11/10/2014
Analyte	SL Tap	Result
Formaldehyde	0.43	39 J

SWMU148-1		12/18/2013
Analyte	SL Tap	Result
Benzene	0.45	1500
Chlorobenzene	7.8	1200
Ethylbenzene	1.5	54
Naphthalene	0.17	15000
Xylenes	19	490

SWMU 148

SWMU148-3

SWMU148-2		12/26/2013
Analyte	SL Tap	Result
1,4-Dioxane	0.46	6
Formaldehyde	0.43	6100
Naphthalene	0.17	0.4 J

148-5DO		11/10/2014
Analyte	SL Tap	Result
Formaldehyde	0.43	26 J

148-6SO		11/10/2014
Analyte	SL Tap	Result
1,4-Dioxane	0.46	1 J

Legend

- GW (Exceedance)
- GW (No Exceedance)
- SWMU

The screening criteria used are EPA Regional Screening Levels for Tap Water (SL Tap).

J-Analyte present; reported value may not be accurate or precise.

All results are in units ug/L.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

0 20 40 80

Feet
1 inch = 40 feet

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SWMU 148
TAP WATER EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 9/15/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.28
DATA QUALITY CHECK BY: KLD	

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Legend

- Soil Sample Location
- Groundwater Sample Location
- Soil and Groundwater Sample Location
- SWMU

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N
W E
S

0 20 40 80
Feet
1 inch = 40 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
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SWMUs 97, 105, 106, 109, 149, AND SMALL LOTS MANUFACTURING AREA INVESTIGATION LOCATIONS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.29
DATA QUALITY CHECK BY: KLD	

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SWMU 97

SWMU 149

HP-34			10/18/2000
Analyte	Depth_ft	SL Ind	Result
Arsenic	4.5-5.5	3	4.5

SLM-11			7/19/2013
Analyte	Depth_ft	SL Ind	Result
Ethylbenzene	14-15	25	330
Xylenes	14-15	250	1300

SLM-2

SWMU 105

SLM-13

SLM-3

SLM-10

SWMU 109

SLM-12

SLM-8

SLM-HP-1			12/12/2002
Analyte	Depth_ft	SL Ind	Result
Arsenic	12-14	3	4.5

SLM-9

SLM-4

SLM-7

SWMU 106

SLM-5

SLM-6

SLM-HP-2			12/12/2002
Analyte	Depth_ft	SL Ind	Result
Arsenic	12-14	3	4.3

SLM-HP-3			12/12/2002
Analyte	Depth_ft	SL Ind	Result
Arsenic	6-8	3	6.1

Legend

- Surface Soil Sample (No Exceedance)
- Subsurface Soil Sample (Exceedance)
- Subsurface Soil Sample (No Exceedance)
- SWMU

For native soil samples, the screening criteria used are EPA Regional Screening Levels for Industrial Soil (SL-Ind). For fill soil samples, the criteria used are the Historic Fill 95% UTL in parenthesis.

Screening Levels are applicable to depths less than 15 ft bgs. As a result, subsurface soil results from samples collected at depths greater than 15 ft bgs are not shown.

J-Analyte present; reported value may not be accurate or precise.

All other results are in units mg/kg.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

0 20 40 80

Feet
1 inch = 40 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
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SWMUs 97, 105, 106, 109, 149, AND SMALL LOTS MANUFACTURING AREA INDUSTRIAL SOIL EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.30
DATA QUALITY CHECK BY: KLD	

C:\DuPontBelle_GIS\projects\18986236_Phs4RFI_Apr2015\Pos\Maps\Fig5_30_SWMU_97_105_106_109_149_SLM_IndSoilExcds.mxd

SLM-15SO		11/11/2014
Analyte	SL Tap	Result
1,4-Dioxane	0.46	7
Benzene	0.45	6 J
Chlorobenzene	7.8	1500
Ethylbenzene	1.5	11
Naphthalene	0.17	3
Xylenes	19	55

SWMU 97

SLM-1-GW		12/18/2013
Analyte	SL Tap	Result
Benzene	0.45	2 J
Chlorobenzene	7.8	3500
Ethylbenzene	1.5	9 J

SLM-14

SLM-16SO		11/11/2014
Analyte	SL Tap	Result
Chlorobenzene	7.8	13

SWMU 149

SLM-13		7/22/2013
Analyte	SL Tap	Result
Benzene	0.45	1 J
Chlorobenzene	7.8	110

HP-34		10/18/2000
Analyte	SL Tap	Result
Benzene	0.45	22 K
Chlorobenzene	7.8	4800
Ethylbenzene	1.5	3 J
Naphthalene	0.17	1 J

SLM-2-GW		12/18/2013
Analyte	SL Tap	Result
Benzene	0.45	41 J
Chlorobenzene	7.8	23000
Ethylbenzene	1.5	60

SLM-2		7/22/2013
Analyte	SL Tap	Result
Benzene	0.45	2 J
Chlorobenzene	7.8	74
Ethylbenzene	1.5	970
Xylenes	19	2800

SLM-3		7/22/2013
Analyte	SL Tap	Result
Ethylbenzene	1.5	46 J
Xylenes	19	240

SWMU 105

SWMU 109

SLM-11		7/22/2013	
Analyte	SL Tap	Result	Result DUP
Benzene	0.45	4 J	4 J
Chlorobenzene	7.8	720	600
Ethylbenzene	1.5	1700	1500
Xylenes	19	7000	6500

SLM-12		7/22/2013
Analyte	SL Tap	Result
Benzene	0.45	3 J
Chlorobenzene	7.8	960
Ethylbenzene	1.5	9
Xylenes	19	46

SLM-8		7/22/2013
Analyte	SL Tap	Result
Chlorobenzene	7.8	240
Ethylbenzene	1.5	230
Xylenes	19	3600

SWMU 106

SLM-4		7/22/2013
Analyte	SL Tap	Result
Ethylbenzene	1.5	2 J

SLM-5		7/22/2013
Analyte	SL Tap	Result
Ethylbenzene	1.5	2 J

SLM-HP-1		12/11/2002
Analyte	SL Tap	Result
Benzene	0.45	80 J
Chlorobenzene	7.8	18000
Ethylbenzene	1.5	57 J
Naphthalene	0.17	8 J
Xylenes	19	220

SLM-HP-2		12/11/2002
Analyte	SL Tap	Result
Benzene	0.45	3 J
Chlorobenzene	7.8	37
Ethylbenzene	1.5	2 J
Naphthalene	0.17	13

SLM-HP-3		12/11/2002
Analyte	SL Tap	Result
Benzene	0.45	2 J
Chlorobenzene	7.8	18
Naphthalene	0.17	6 J

Legend

- GW (Exceedance)
- GW (No Exceedance)
- SWMU

The screening criteria used are EPA Regional Screening Levels for Tap Water (SL Tap).

J-Analyte present; reported value may not be accurate or precise.

All results are in units ug/L.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

0 20 40 80

Feet
1 inch = 40 feet
MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
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Newark, DE 19713

SWMUs 97, 105, 106, 109, 149, AND SMALL LOTS MANUFACTURING AREA TAP WATER EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 9/15/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.31
DATA QUALITY CHECK BY: KLD	

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Legend

- Soil Sample Location
- Groundwater Sample Location
- MIPs Boring Location with Soil Sample
- MIPs Boring (No Sample Collected)
- SWMU

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

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Feet

1 inch = 40 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
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SWMUs 58 AND 189 INVESTIGATION LOCATIONS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.32
DATA QUALITY CHECK BY: KLD	

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SWMU189-1			12/17/2013	
Analyte	Depth_ft	SL Ind	Result	Result DUP
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	0.3 J	0.73 J

SWMU 189

SWMU58-4			12/5/2012
Analyte	Depth_ft	SL Ind	Result
Arsenic	5-6	3	8.65
Arsenic	11-12	3	8.32

SWMU 58

SWMU58-1

SWMU58-3

SWMU58-2			12/5/2012
Analyte	Depth_ft	SL Ind	Result
Arsenic	0.5-1	3 (22)	10.4
Arsenic	5-6	3	4.67
Benzo[A]Pyrene	0.5-1	0.29 (0.69)	1.5
Benzo[A]Pyrene	5-6	0.29	0.062
Dibenz(A,H)Anthracene	0.5-1	0.29	0.44
Dibenz(A,H)Anthracene	5-6	0.29	0.3

Legend

- Surface Soil Sample (Exceedance)
- Subsurface Soil Sample (Exceedance)
- No Soil Sample Collected
- SWMU

For native soil samples, the screening criteria used are EPA Regional Screening Levels for Industrial Soil (SL-Ind). For fill soil samples, the criteria used are the Historic Fill 95% UTL in parenthesis.

Screening Levels are applicable to depths less than 15 ft bgs. As a result, subsurface soil results from samples collected at depths greater than 15 ft bgs are not shown.

J-Analyte present; reported value may not be accurate or precise.

All other results are in units mg/kg.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 20 40 80

Feet

1 inch = 40 feet

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SWMUs 58 AND 189 INDUSTRIAL SOIL EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.33
DATA QUALITY CHECK BY: KLD	

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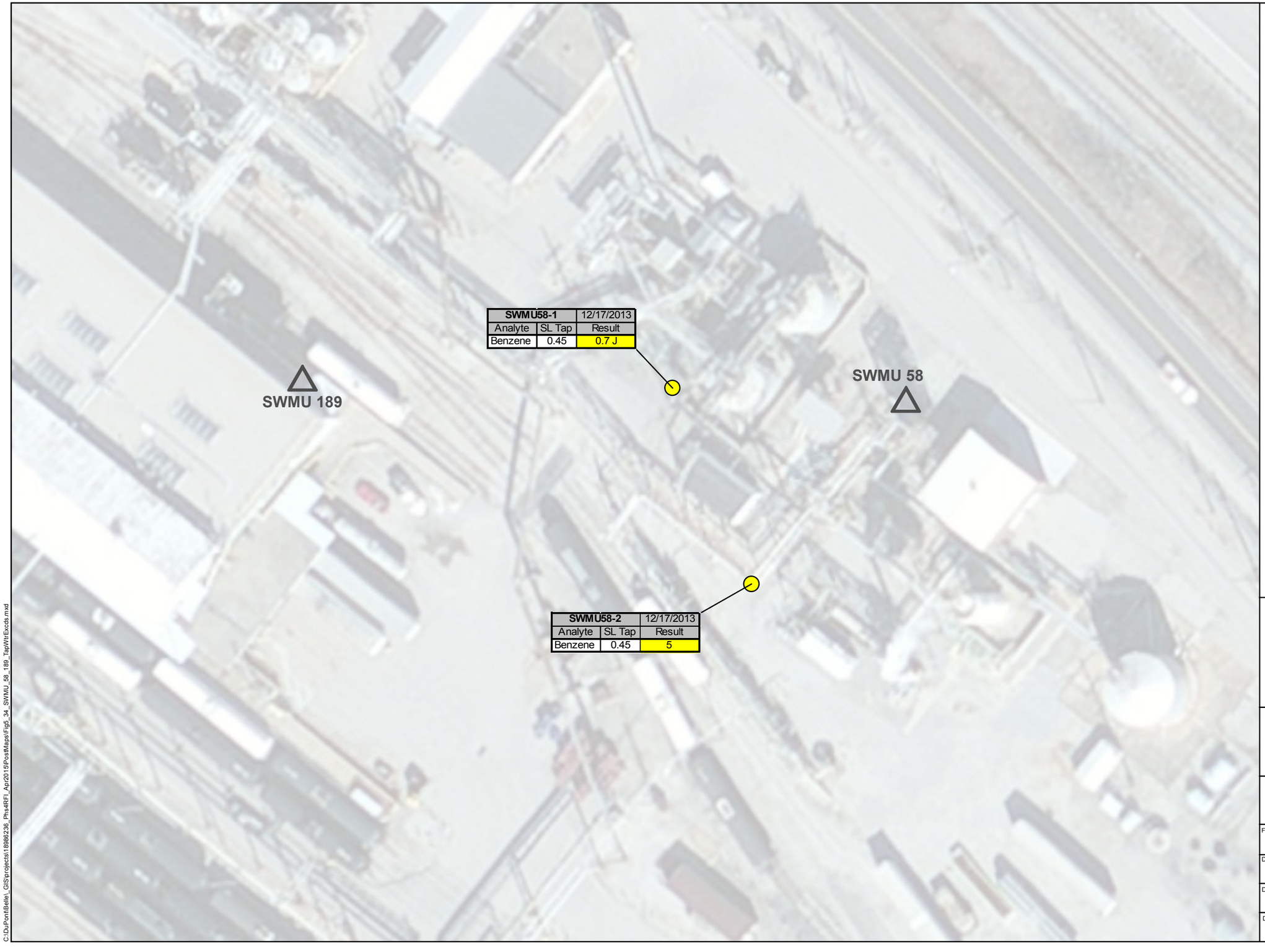

Legend

GW (Exceedance)

SWMU

The screening criteria used are EPA Regional Screening Levels for Tap Water (SL Tap).

J-Analyte present; reported value may not be accurate or precise.

All results are in units ug/L.

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

0 20 40 80

Feet

1 inch = 40 feet

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SWMUs 58 AND 189
TAP WATER EXCEEDANCES

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DBM	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.34
DATA QUALITY CHECK BY: KLD	

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Legend

- Groundwater Sample Location
- AOC
- Liberty Lease Area

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

0 20 40 80
Feet
1 inch = 40 feet

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AOC G
INVESTIGATION LOCATIONS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 9/15/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.35
DATA QUALITY CHECK BY: KLD	

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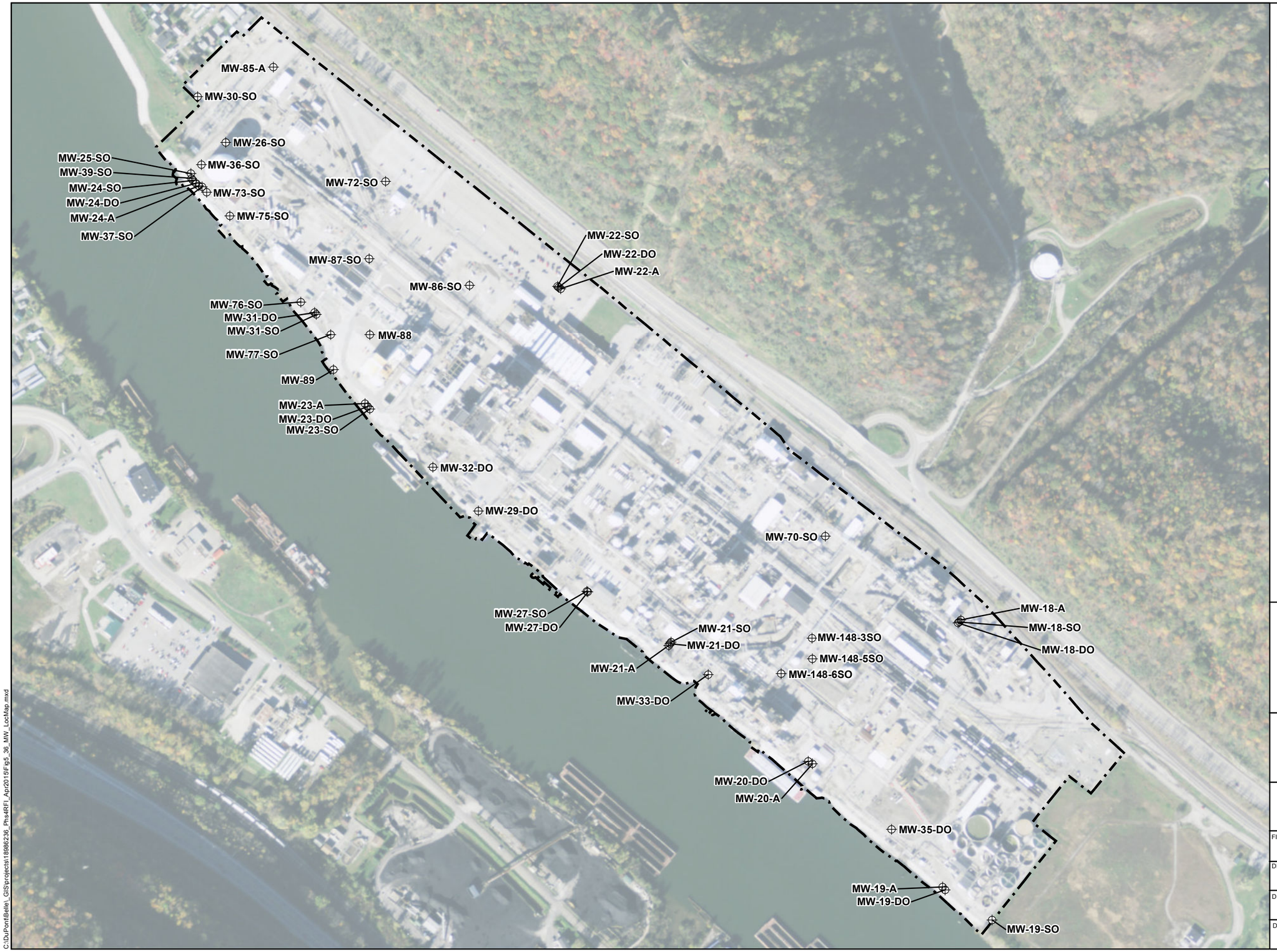

Legend

- Monitoring Well
- Belle Plant Boundary (Approximate)

Aerial Information:
Collection Date - Feb. 2012; Source - Microsoft;
Resolution - 0.3 Meter;
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

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0 200 400 800

Feet

1 inch = 400 feet

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MONITORING WELL LOCATION MAP

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.36
DATA QUALITY CHECK BY: KLD	

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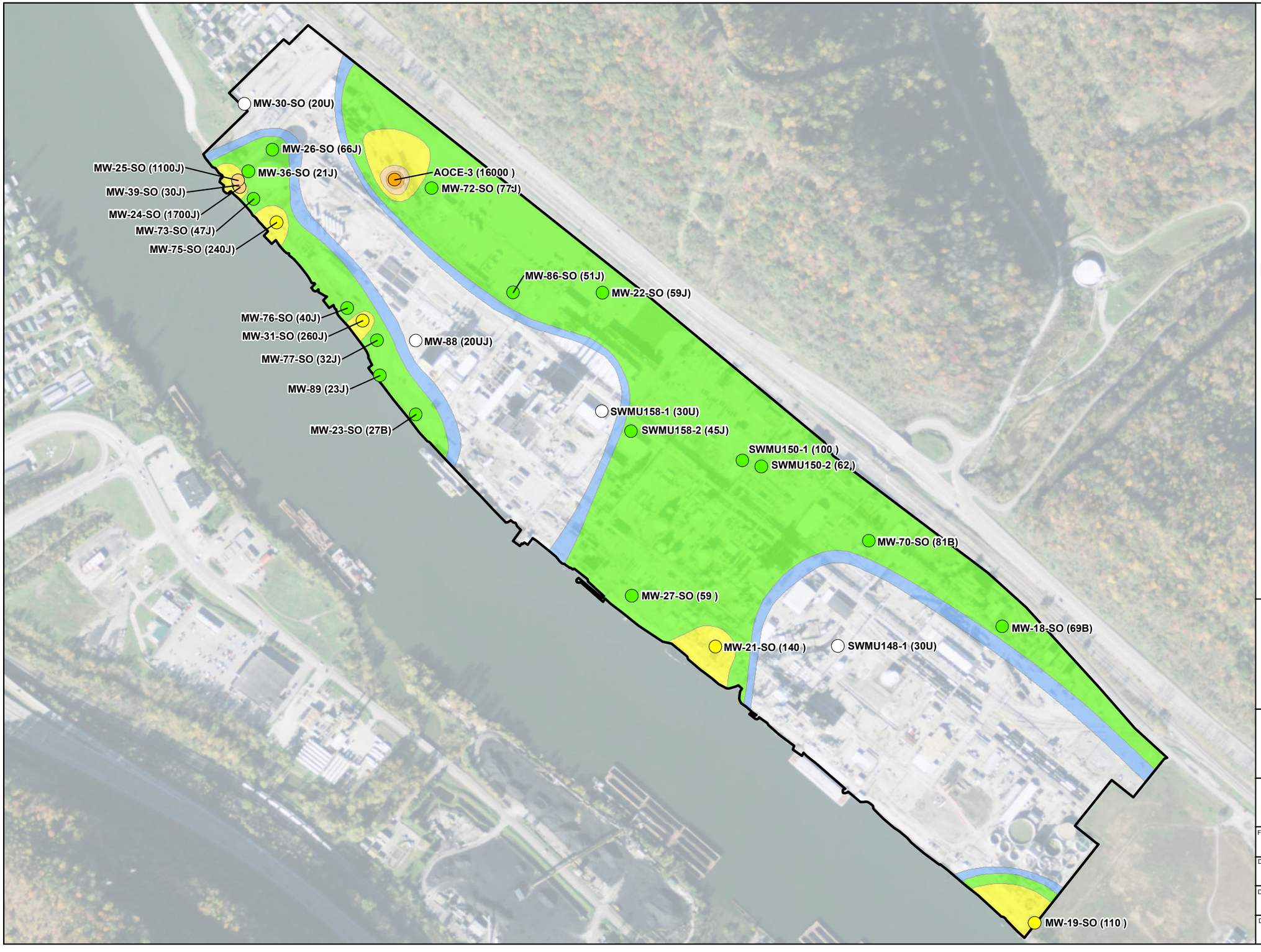

Legend

GW Formaldehyde Results - 2011-2014 (UG/L)

- <=0.43
- 0.44 - 10.00
- 10.01 - 100.00
- 100.01 - 1000.00
- 1000.01 - 10000.00
- >10000

Isoconcentration Contours - Formaldehyde

- 0.44 - 10
- 10.1 - 100
- 100.1 - 1000
- 1000.1 - 10000
- >10000

Plant Property Boundary (Approximate)

Notes:
Isoconcentration contours are approximate and may not accurately reflect conditions at the site.

EPA Regional Screening Level (June 2015) for Formaldehyde = 0.43 ug/L

EPA drinking water Maximum Contaminant Level (MCL) for Formaldehyde is not available.

J = Estimated Value
U = Not Detected
B = Not detected substantially above the level reported in the laboratory or field blanks

Aerial Credit: ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

0 200 400 800

Feet
1 inch = 400 feet
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SHALLOW OVERBURDEN ISOCONCENTRATION CONTOUR MAP - FORMALDEHYDE

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DTL/KLD	DATE: 9/18/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.37
DATA QUALITY CHECK BY: DTL/KLD	

MW-30-SO (0.5U)
MW-26-SO (0.5U)
AOCE-1 (1J)
MW-36-SO (26)
AOCE-3 (0.5U)
MW-72-SO (0.5U)
MW-25-SO (27000)
MW-39-SO (0.5U)
MW-24-SO (540)
MW-73-SO (5700)
MW-75-SO (0.5)
MW-86-SO (0.5U)
MW-22-SO (0.5U)
MW-76-SO (6)
MW-31-SO (190000)
MW-88 (0.5U)
MW-77-SO (0.5U)
MW-89 (0.5U)
MW-23-SO (0.5U)
SWMU158-1 (7)
158-3SO (0.5U)
SWMU158-2 (1200)
158-5SO (0.5U)
SWMU150-1 (5)
SWMU150-2 (3J)
MDA-5 (0.6J)
MW-70-SO (8)
MDA-4 (0.6J)
MDA-3 (0.5U)
MDA-1 (0.5J)
MW-27-SO (0.5U)
148-4SO (0.5U)
MW-18-SO (0.5U)
SWMU148-1 (1500)
148-3SO (0.5U)
SWMU58-1 (0.7J)
MW-21-SO (0.5U)
148-5SO (0.5U)
SWMU58-2 (5)
SLM-15SO (6J)
148-6SO (0.5U)
SLM-16SO (0.5U)
SLM-2 (2J)
SLM-14SO (0.5U)
SLM-3 (5U)
SLM-1 (2J)
SLM-4 (0.5U)
SLM-2-GW (41J)
SLM-5 (0.5U)
SLM-13 (1J)
SLM-11 (4J)
SLM-8 (1U)
SLM-12 (3J)
MW-19-SO (0.5U)

Legend

GW Benzene Results - 2011-2014 (UG/L)

- <=0.45
- 0.46 - 5
- 5.1 - 100
- 100.1 - 1000
- 1000.1 - 10000
- >10000

Isoconcentration Contours - Benzene

- 0.46 - 5
- 5.1 - 100
- 100.1 - 1000
- 1000.1 - 10000
- >10000

Plant Property Boundary (Approximate)

Notes:
Isoconcentration contours are approximate and may not accurately reflect conditions at the site.

EPA Regional Screening Level (June 2015) for Benzene = 0.45 ug/L

EPA drinking water Maximum Contaminant Level (MCL) for Benzene = 5.0 ug/L

J = Estimated Value
U = Not Detected

Aerial Credit: ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

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0 200 400 800
Feet
1 inch = 400 feet

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SHALLOW OVERBURDEN ISOCONCENTRATION CONTOUR MAP - BENZENE

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DTL/KLD	DATE: 9/18/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.38
DATA QUALITY CHECK BY: DTL/KLD	

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MW-30-SO (0.5U)
MW-36-SO (0.5U)
MW-26-SO (0.5U)
AOCE-1 (0.8U)
MW-25-SO (10U)
AOCE-3 (0.8U)
MW-72-SO (0.5U)
MW-39-DO (0.5U)
MW-24-SO (0.5U)
MW-75-SO (0.5U)
MW-73-SO (3U)
MW-86-SO (0.5U)
MW-22-SO (0.5U)
MW-76-SO (0.5U)
MW-31-SO (50U)
MW-88 (0.5U)
MW-77-SO (0.5U)
MW-89 (0.5U)
SWMU158-1 (0.8U)
158-3 (0.5U)
MW-23-SO (0.5U)
SWMU158-2 (4U)
158-5 (0.5U)
SWMU150-1 (0.8U)
SWMU150-2 (0.8U)
MDA-5 (0.8U)
MW-70-SO (0.5U)
MDA-4 (0.8U)
MDA-3 (0.8U)
MDA-1 (0.8U)
MW-27-SO (0.5U)
148-4 (0.5U)
SWMU148-1 (1200)
MW-18-SO (0.5U)
MW-21-SO (0.5U)
148-3 (0.5U)
148-5 (0.5U)
SLM-15 (1500)
148-6 (0.5U)
SLM-16 (13)
SLM-2 (74)
SLM-14 (0.5U)
SLM-1 (3500)
SLM-2-GW (23000)
SLM-3 (8U)
SLM-13 (110)
SLM-4 (0.8U)
SLM-11 (720)
SLM-8 (240)
SLM-12 (960)
SLM-5 (4J)
MW-19-SO (0.5U)

Legend

GW Chlorobenzene Results - 2011-2014 (UG/L)

- <=7.80
- 7.81 - 100
- 100.1 - 1000
- 1000.1 - 10000
- >10000

Isoconcentration Contours - Chlorobenzene

- 7.81 - 100
- 100.1 - 1000
- 1000.1 - 10000
- >10000
- Plant Property Boundary (Approximate)

Notes:
Isoconcentration contours are approximate and may not accurately reflect conditions at the site.

EPA Regional Screening Level (June 2015) for Chlorobenzene = 7.8 ug/L (HQ = 0.1)

EPA drinking water Maximum Contaminant Level (MCL) for Chlorobenzene = 100 ug/L

J = Estimated Value
U = Not Detected

Aerial Credit: ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

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0 200 400 800
Feet
1 inch = 400 feet

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SHALLOW OVERBURDEN ISOCONCENTRATION CONTOUR MAP - CHLOROBENZENE

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DTL/KLD	DATE: 9/18/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.39
DATA QUALITY CHECK BY: DTL/KLD	

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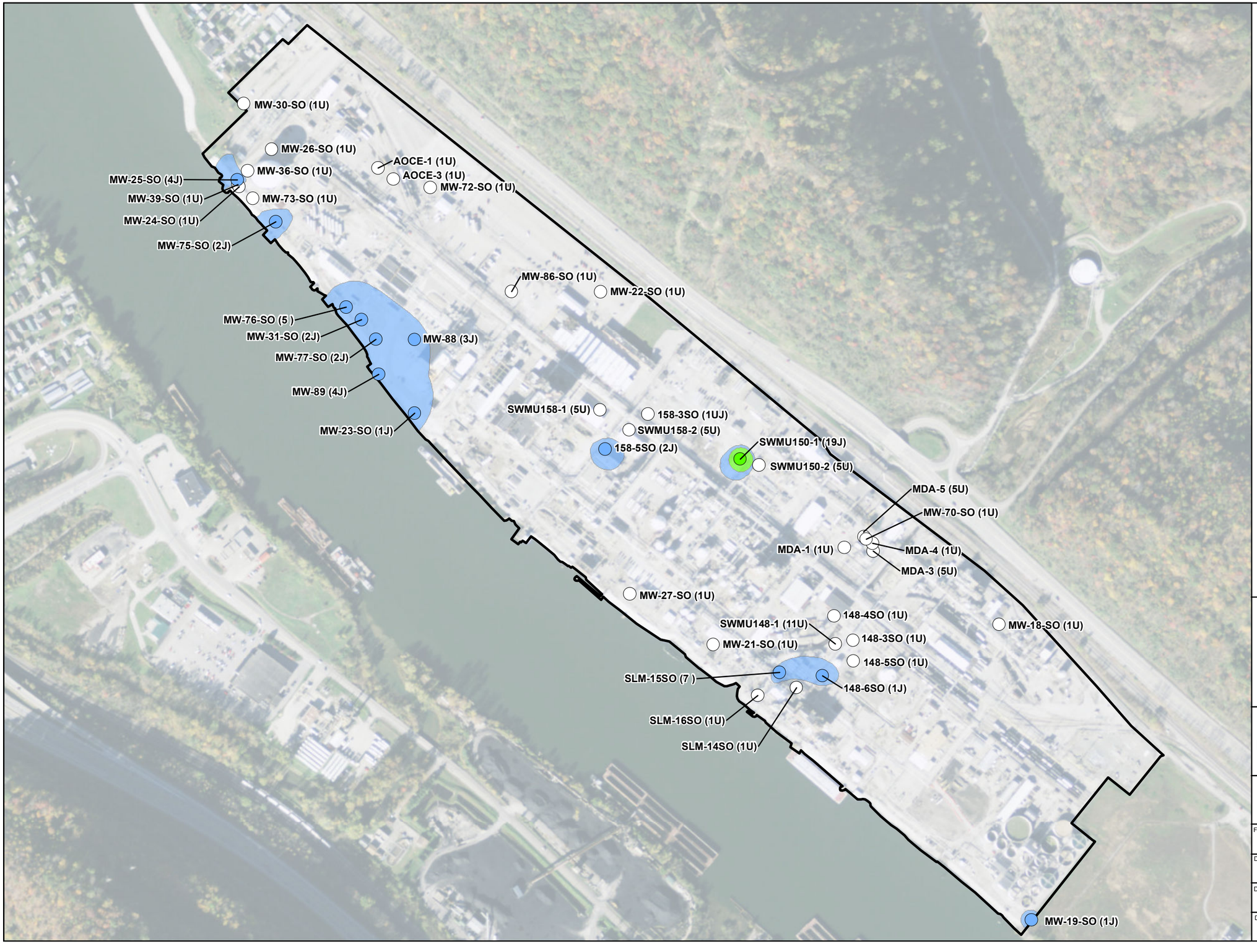

Legend

GW 1,4-Dioxane Results - 2011-2014 (UG/L)

- <=0.46
- 0.47 - 10
- >10

Isoconcentration Contours - 1,4-Dioxane

- 0.47 - 10
- >10
- Plant Property Boundary (Approximate)

Notes:
Isoconcentration contours are approximate and may not accurately reflect conditions at the site.

EPA Regional Screening Level (June 2015) for 1,4-Dioxane = 0.46 ug/L

EPA drinking water Maximum Contaminant Level (MCL) for 1,4-Dioxane is not available.

J = Estimated Value
U = Not Detected

Aerial Credit: ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N
W E
S

0 200 400 800

Feet
1 inch = 400 feet

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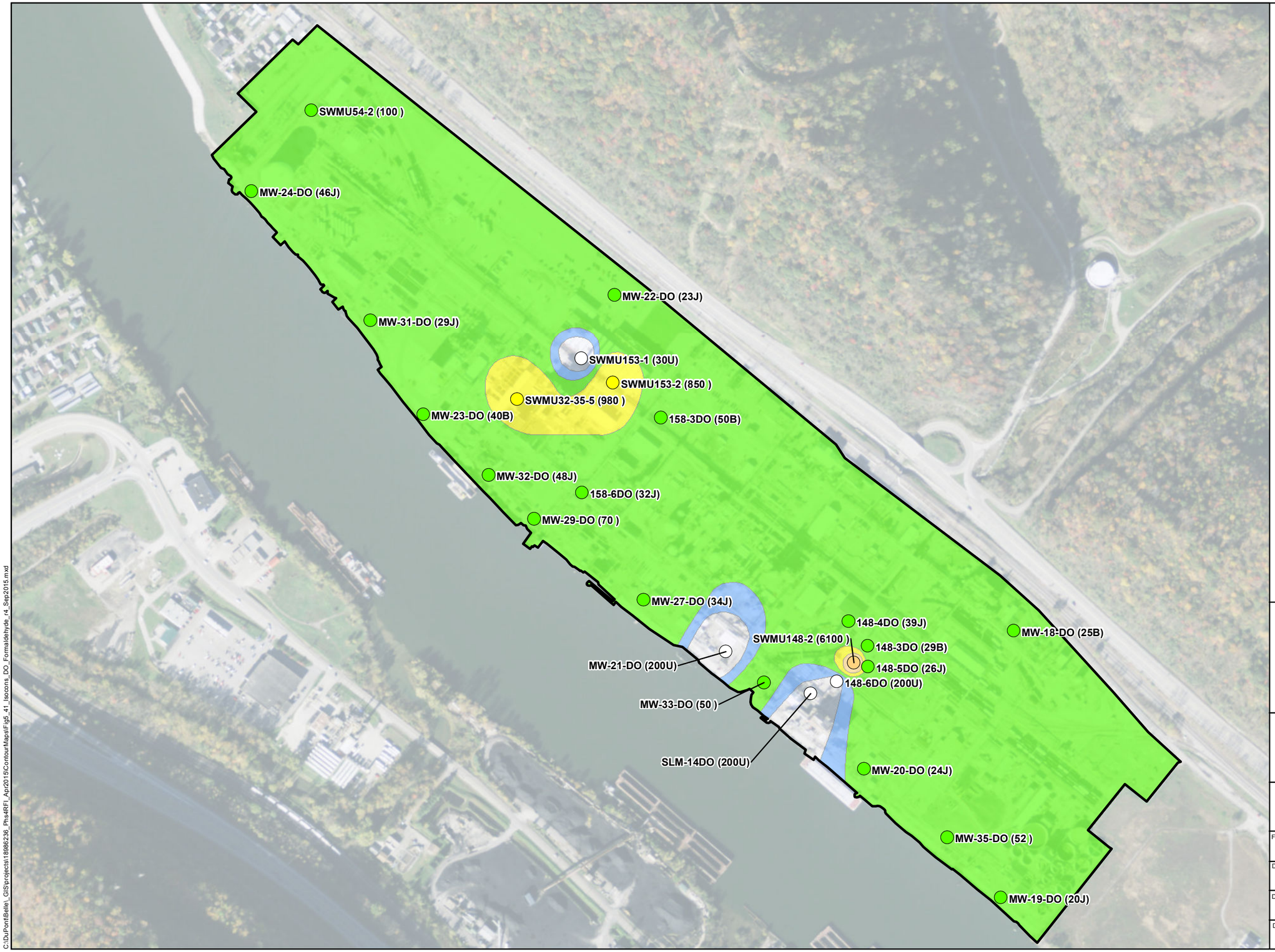
SHALLOW OVERBURDEN ISOCONCENTRATION CONTOUR MAP - 1,4-DIOXANE

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DTL/KLD	DATE: 9/18/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.40
DATA QUALITY CHECK BY: DTL/KLD	



Legend

GW Formaldehyde Results - 2011-2014 (UG/L)

- <=0.43
- 0.44 - 10.00
- 10.01 - 100.00
- 100.01 - 1000.00
- 1000.01 - 10000.00
- >10000

Formaldehyde_deep_Polygons_r1_Sep2015

- 0.44 - 10
- 10.1 - 100
- 100.1 - 1000
- 1000.1 - 10000
- Plant Property Boundary (Approximate)

Notes:
Isoconcentration contours are approximate and may not accurately reflect conditions at the site.

EPA Regional Screening Level (June 2015) for Formaldehyde = 0.43 ug/L

EPA drinking water Maximum Contaminant Level (MCL) for Formaldehyde is not available.

J = Estimated Value
U = Not Detected
B = Not detected substantially above the level reported in the laboratory or field blanks

Aerial Credit: ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N W E S

0 200 400 800

Feet

1 inch = 400 feet

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DEEP OVERBURDEN ISOCONCENTRATION CONTOUR MAP - FORMALDEHYDE

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DTL/KLD	DATE: 9/18/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.41
DATA QUALITY CHECK BY: DTL/KLD	

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SWMU54-2 (1U)
MW-24-DO (14)
MW-22-DO (1U)
MW-31-DO (6)
SWMU153-1 (12J)
SWMU153-2 (5U)
SWMU32-35-5 (1U)
MW-23-DO (3J)
158-3DO (4J)
MW-32-DO (20)
158-6DO (1U)
MW-29-DO (130)
MW-27-DO (17)
148-4DO (4J)
MW-18-DO (3J)
148-3DO (1U)
SWMU148-2 (6)
148-5DO (1J)
MW-21-DO (20J)
148-6DO (13)
SLM-14DO (34)
MW-33-DO (22J)
MW-20-DO (1U)
MW-35-DO (1U)
MW-19-DO (1U)

Legend

GW 1,4-Dioxane Results - 2011-2014 (UG/L)

- <=0.46
- 0.47 - 10
- 10.1 - 100
- >100

Isoconcentration Contours - 1,4-Dioxane

- 0.47 - 10
- 10.1 - 100
- >100

Plant Property Boundary (Approximate)

Notes:
Isoconcentration contours are approximate and may not accurately reflect conditions at the site.

EPA Regional Screening Level (June 2015) for 1,4-Dioxane = 0.46 ug/L

EPA drinking water Maximum Contaminant Level (MCL) for 1,4-Dioxane is not available.

J = Estimated Value
U = Not Detected

Aerial Credit: ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

N
W E
S

0 200 400 800
Feet
1 inch = 400 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
TEXT SCALE NOT VALID FOR DIFFERENT PAGE SIZE.

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Newark, DE 19713

DEEP OVERBURDEN ISOCONCENTRATION CONTOUR MAP - 1,4-DIOXANE

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: DTL/KLD	DATE: 9/18/2015
DRAWN BY: CAD	FIGURE NUMBER: 5.42
DATA QUALITY CHECK BY: DTL/KLD	

C:\DuPontBelle_GIS\projects\18986236_Phs4RFI_Apr2015\ContourMaps\Fig5_42_Isocons_DO_14Dioxane_r3_Apr2015.mxd

MW-85-A
MW-30-SO
P4S-0513-SWMU-054-2-36-37G
MW-26-SO
MW-38-SO
MW-25-SO
MW-36-SO
MW-39-SO
DPE-3
MW-24-SO
MW-24-DO
MW-24-A
MW-37-SO
MW-73-SO
P4G0513-AOCE-1-34-35
P4G-0513-AOCE-3-8-9
MW-72-SO
GW1113-AOCE-9-1
GW1113-AOCE-9-2
MW-75-SO
GW1113-AOCE-9-3
MW-87-SO
MW-22-SO
MW-22-DO
MW-22-A
MW-86-SO
MW-76-SO
MW-31-DO
MW-31-SO
DPE-9
MW-77-SO
MW-88
GW1113-SWMU153-1
GW1113-SWMU153-2
MW-89
P4G-0513-SWMU-32-35-5-35-36
MW-23-A
MW-23-DO
MW-23-SO
GW1113-SWMU32-35-1
GW1113-SWMU158-1
GW1113-SWMU158-2
GW1113-SWMU32-35-3
GW1113-SWMU150-1
GW1113-SWMU150-2
MW-32-DO
MW-29-DO
GW1113-MDA-5
MW-70-SO
GW1113-MDA-1
GW1113-MDA-4
GW1113-MDA-3
MW-27-SO
MW-27-DO
MW-18-A
MW-18-SO
MW-18-DO
GW1113-SWMU58-1
GW1113-SWMU58-2
MW-21-SO
MW-21-DO
MW-21-A
GW1113-SWMU148-1
GW1113-SWMU148-2
MW-33-DO
GW1113-SLM-1
GW1113-SLM-2
P4G-0713-SLM-2
P4G-0713-SLM-3
P4G-0713-SLM-12
P4G-0713-SLM-4
P4G-0713-SLM-5
P4G-0713-SLM-13
P4G-0713-SLM-11
P4G-0713-SLM-8
MW-20-DO
MW-20-A
MW-35-DO
MW-19-A
MW-19-DO
MW-19-SO

Legend

- Monitoring Well Location
- Monitoring Well Location Measuring Exceedance of EPA Commercial/Industrial VISL
- Hydropunch Location
- Hydropunch Location Measuring Exceedance of EPA Commercial/Industrial VISL
- Occupied Current Plant Building Structure (as of 2010)
- Current Plant Building Structure (as of 2010)
- Current Plant Tank Structure (as of 2010)

Shallow Overburden Isoconcentration Contours - Naphthalene (ug/L)

- 10.1 - 100
- 100.1 - 1,000
- 1,000.1 - 10,000
- >10,000

Shallow Overburden Isoconcentration Contours - Benzene (ug/L)

- 5.1 - 100
- 100.1 - 1000
- 1000.1 - 10000
- >10000

Aerial Information:
Collection Date - Feb. 2012
Source - Microsoft
Resolution - 0.3 Meter
Service Layer Credits - ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community.

0 60 120 240
Feet
1 inch = 120 feet
MAP FORMATTED FOR "E" (34" X 44") SIZE SHEET
TEXT SCALE NOT VALID FOR DIFFERENT PAGE SIZE

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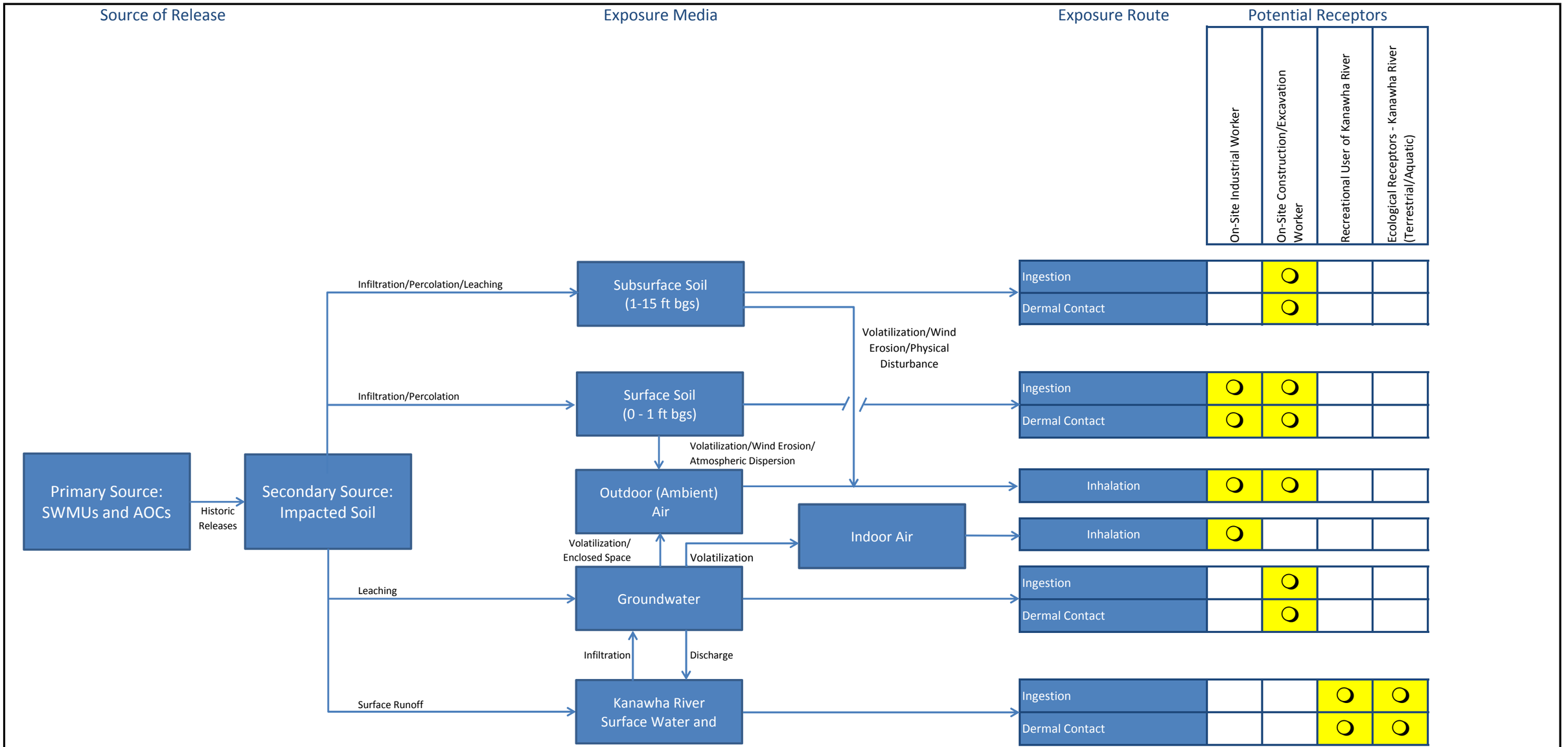
Newark, DE 19713

CURRENTLY OCCUPIED BUILDINGS

CHEMOURS BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD/DBM	DATE: 8/26/2015
DRAWN BY: CAD	FIGURE NUMBER: 6.1
DATA QUALITY CHECK BY: KLD/DBM	

C:\Active\belle_1\Figures\18986236_Depth_Aug2015\currentBldgs\Fig6_1_CurrentBuildings_Aug2015.mxd



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

AECOM
625 West Ridge Pike
Suite E-100
Conshohocken, PA 19428

Conceptual Exposure Model

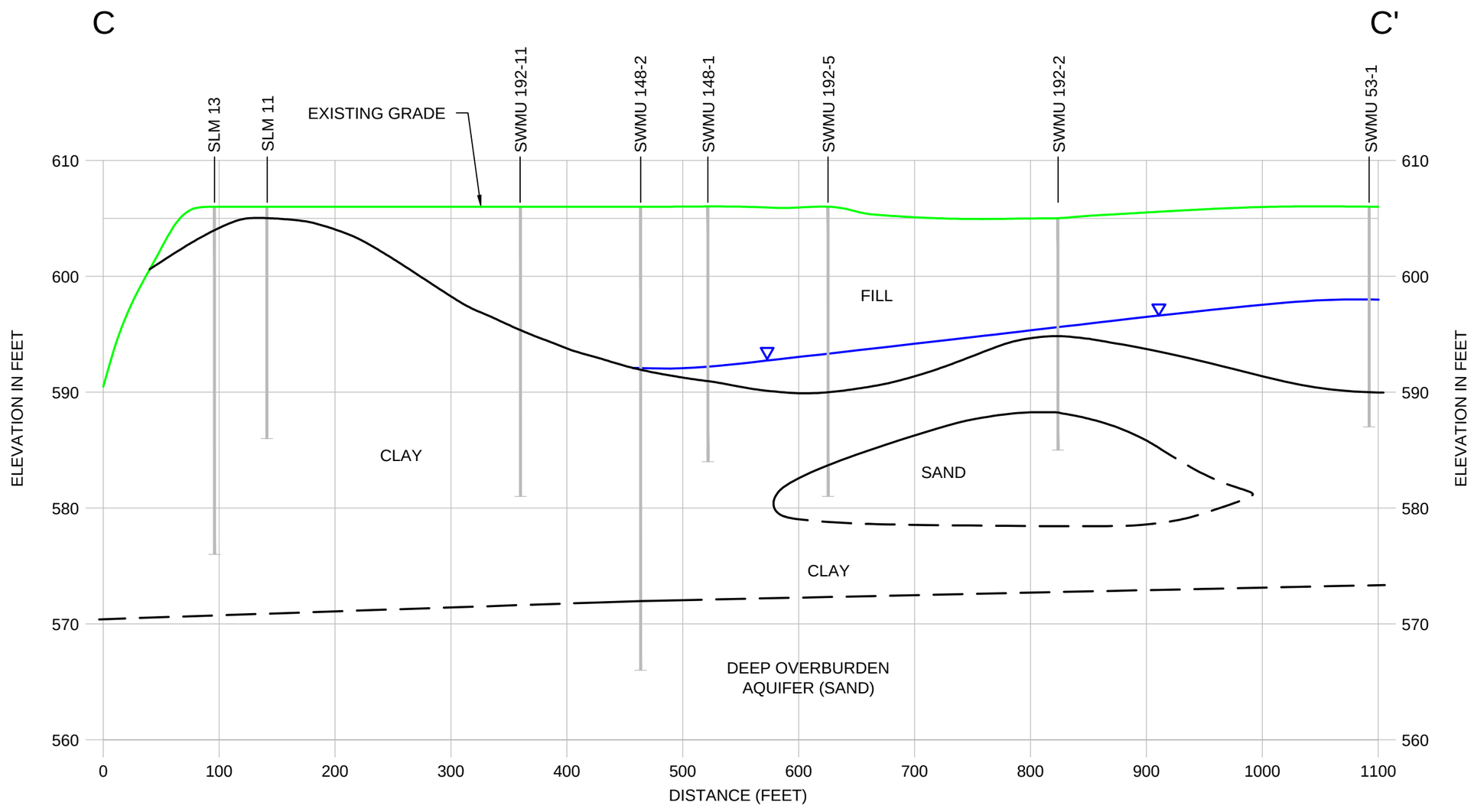
COMPREHENSIVE RCRA FACILITY INVESTIGATION REPORT
CHEMOURS BELLE PLANT AREA
BELLE, WEST VIRGINIA

6/3/2015 **Fig. 6.2**

Appendices

Appendix A

Updated and New Belle Plant Area Cross-Sections



VERTICAL SCALE

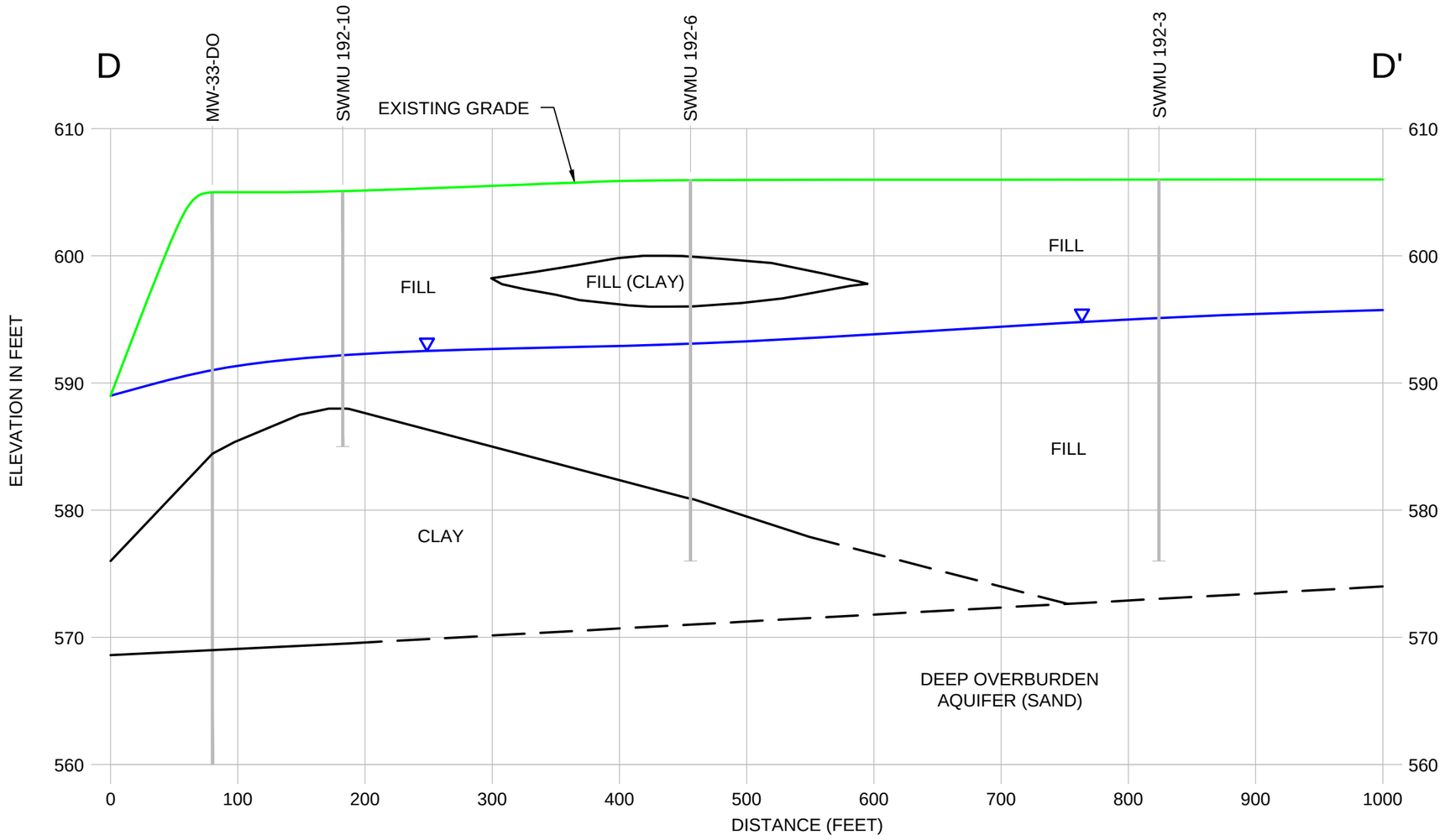
10' 0 10'

HORIZONTAL SCALE

100' 0 100'

DESIGNED BY: C. MYERS DRAWN BY: W. FRYER DATA QUALITY CHKD: T. LOUNSBURY APPROVED BY:	AECOM Sabre Building, Suite 300 4051 Ogletown Road Newark, Delaware 19713 Phone: 302-781-5900	CROSS-SECTION C-C' PLANT AREA CHEMOURS BELLE PLANT PHASE IV RFI BELLE, WEST VIRGINIA	PROJECT NO. 18986236 DATE 4/8/15 FIGURE No. A-1

V:\Projects\Dupont\Belle\CAD\Project\18986236 - Ph IV RFI WP\CROSS SECTION C-C'.DWG, 5/21/2015 11:27 AM, Littel, David E, PDF995.pc3, User32767, 1"=0" = 1'-0"



VERTICAL SCALE

10' 0 10'

HORIZONTAL SCALE

100' 0 100'

DESIGNED BY: C. MYERS DRAWN BY: W. FRYER DATA QUALITY CHKD: T. LOUNSBURY APPROVED BY:	AECOM Sabre Building, Suite 300 4051 Ogletown Road Newark, Delaware 19713 Phone: 302-781-5900	CROSS-SECTION D-D' PLANT AREA CHEMOURS BELLE PLANT PHASE IV RFI BELLE, WEST VIRGINIA	PROJECT NO. 18986236 DATE 4/20/15 FIGURE No: A-2

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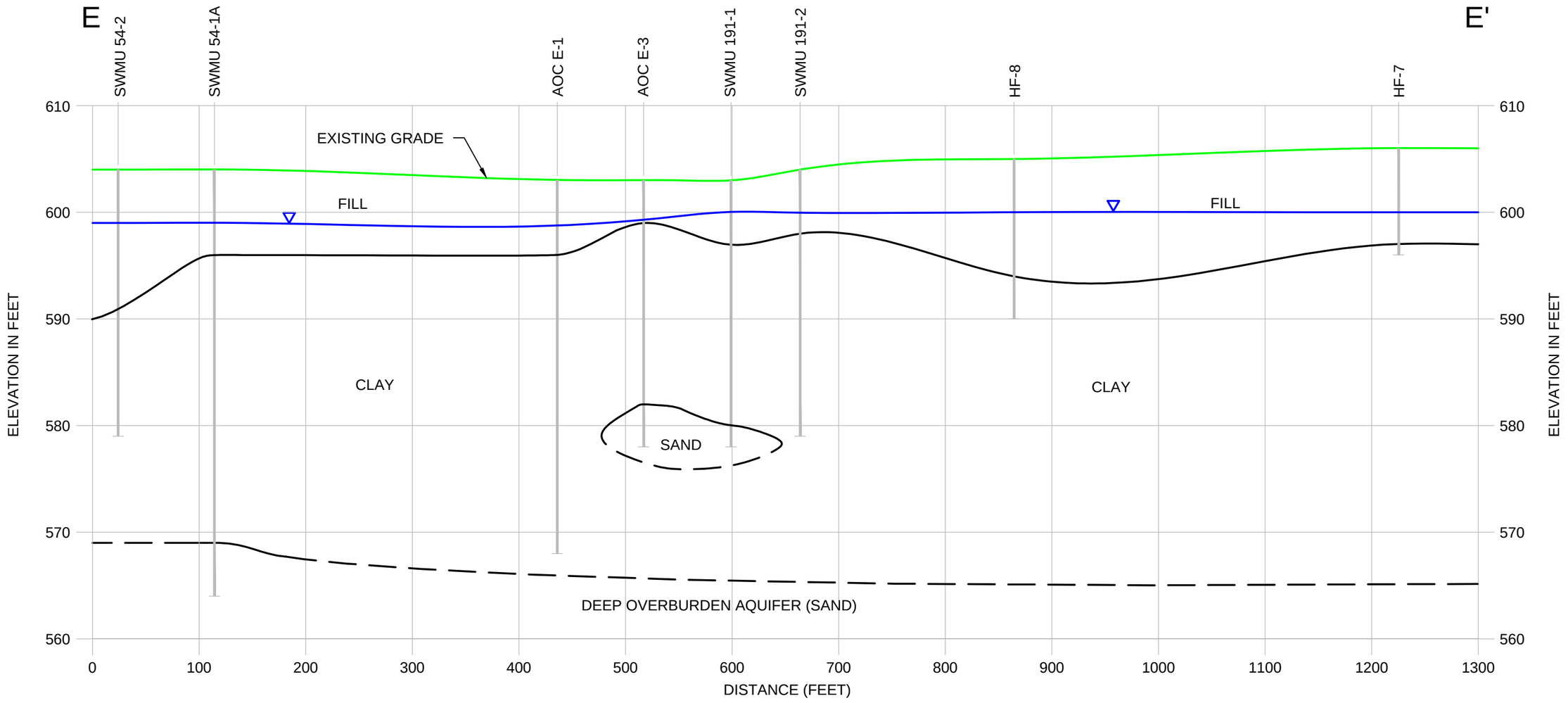


VERTICAL SCALE

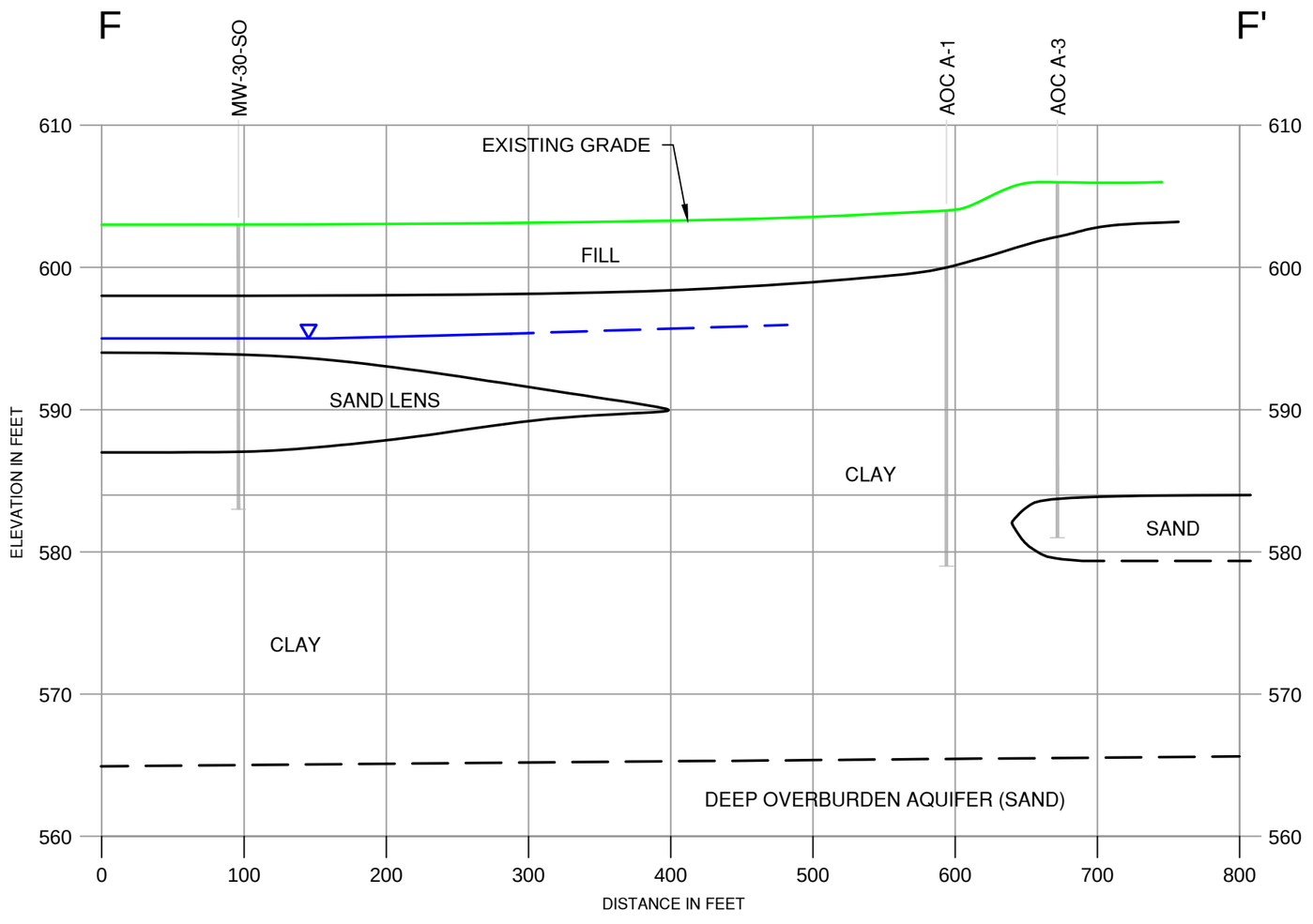
10' 0 10'

HORIZONTAL SCALE

100' 0 100'

DESIGNED BY: C. MYERS DRAWN BY: W. FRYER DATA QUALITY CHKD: T. LOUNSBURY APPROVED BY:	AECOM Sabre Building, Suite 300 4051 Ogletown Road Newark, Delaware 19713 Phone: 302-781-5900	CROSS-SECTION E-E' PLANT AREA CHEMOURS BELLE PLANT PHASE IV RFI BELLE, WEST VIRGINIA	PROJECT NO. 18986236 DATE 4/8/15 FIGURE No: A-3

V:\Projects\Dupont\Belle\CAD\Project\18986236 - Ph IV RFI WP\CROSS SECTION E-E'.DWG, 5/21/2015 10:54 AM, Littel, David E, PDF995.pc3, User32767, 1"=0" = 1'-0"



VERTICAL SCALE

10' 0 10'

HORIZONTAL SCALE

100' 0 100'

DESIGNED BY: C. MYERS DRAWN BY: D. LITTEL DATA QUALITY CHKD: T. LOUNSBURY APPROVED BY:	AECOM Sabre Building, Suite 300 4051 Ogletown Road Newark, Delaware 19713 Phone: 302-781-5900	CROSS-SECTION F-F' PLANT AREA CHEMOURS BELLE PLANT PHASE IV RFI BELLE, WEST VIRGINIA	PROJECT NO. 18986236 DATE 4/8/15 FIGURE No: A-4

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G

G'

SWMU 122-1
SWMU 122-2
SWMU 150-1
SWMU 150-2
EXISTING GRADE
SWMU 48-3
SWMU 192-4
MDA-5
SWMU 192-3
HP 3
SWMU 115-2

610
600
590
580
570
560

ELEVATION IN FEET

FILL
FILL
FILL
CLAY
CLAY
FILL
CLAY
SAND
CLAY
DEEP OVERBURDEN AQUIFER (SAND)

0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500

DISTANCE IN FEET

VERTICAL SCALE

10' 0 10'

HORIZONTAL SCALE

100' 0 100'

DESIGNED BY: C. MYERS DRAWN BY: D. LITTEL DATA QUALITY CHKD: T. LOUNSBURY APPROVED BY:	AECOM Sabre Building, Suite 300 4051 Ogletown Road Newark, Delaware 19713 Phone: 302-781-5900	CROSS-SECTION G-G' PLANT AREA CHEMOURS BELLE PLANT PHASE IV RFI BELLE, WEST VIRGINIA	PROJECT NO. 18986236 DATE 4/8/15 FIGURE No: A-5

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Appendix B

Decision Tree Evaluation Process and Updated Results [Appendix B from the Phase IV Work Plan (URS, 2012) and Updated Table 1]

URS

Memorandum

Date: October 2, 2012

To: Mike Sherrier, DuPont CRG

From: Mark Houlday, URS Corporation

DuPont Project No.: 507878

URS Project No.: 18986236

Subject: **Belle Plant Area SWMU and AOC Decision Tree Evaluation and Results, DuPont Belle Site, Belle, West Virginia**

1.0 Introduction

This memorandum presents the decision tree evaluation approach that was used to objectively classify the status of Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) located in the Plant Area of the DuPont Belle Site for purposes of developing the appropriate investigation scope for the upcoming Phase IV RFI. Based on this evaluation, the Plant Area SWMUs and AOCs were categorized as no further action, RFI complete and no further investigation required, or investigation deferred until a later time, or investigation to be proposed as part of the Phase IV RFI. A SWMU or AOC was placed in the investigation deferred category if an investigation is warranted, but cannot be safely completed at this time due to site operations. After the evaluation was completed, the Phase IV RFI work plan was developed for the Plant Area SWMUs and AOCs for which investigation is proposed at this time.

2.0 Belle Plant Area SWMU Decision Tree

A decision tree (Figure 1) was developed to objectively classify the status of SWMUs and AOCs located in the Plant Area of the DuPont Belle Site. In preparation for the Phase IV RFI, each of the SWMUs and AOCs at the plant was evaluated. During this evaluation, historical and current information were examined. Based on this evaluation, SWMUs and AOCs were either categorized as no further action, RFI complete and no further investigation required, investigation deferred, or investigation to be proposed. An explanation of the decision tree developed for SWMU and AOC classification is presented below. (Note that for simplicity, the decision tree only refers to SWMUs. However, the terms SWMU and AOC are interchangeable in the decision tree and in the discussions below.) Section 3.0 presents the results of the decision tree evaluation.

2.1 Belle Plant Area SWMU Decision Tree Development

In developing this decision tree for the Belle Plant Area SWMUs, several sources of information associated with the SWMUs were evaluated. The reviewed information included Table 3-1 and Table 8-1 of the *Current Conditions Report, DuPont Belle Plant, Belle West Virginia* (DuPont CRG, 1999). Table 3-1 (DuPont Belle Plant SWMU and AOC Descriptions) includes SWMU Number, SWMU

Location, Dates of Operation, and SWMU Description. This information was summarized from the DRAFT Phase II RCRA Facility Assessment (RFA; Kearney, 1991) and interviews with site personnel. In Table 3.1, the SWMU Description column describes the SWMU and summarizes the current closure status as of 1999. In some cases, a closure date and references to closure documentation are provided. Table 8-1 (DuPont Belle Plant SWMU and AOC Current Status) includes SWMU Number, SWMU Name, SWMU Location, Current Status and Comments. In the Comments column, summary information on known or suspected releases from the SWMUs through 1999 was presented along with relevant information such as observations made during earlier investigations, whether the unit has secondary containment and information on recent (as of 1999) inspections was provided. Other sources of information used in the development of this decision tree included:

- A series of SWMU Assessment Checklists and photographs from 1993-1994,
- Field observations and SWMU photographs generated during the 2012 field reconnaissance of the Belle Plant Area SWMUs, which show the SWMU location and the current use of the SWMU, or the area in which the SWMU was located if the SWMU no longer exists,
- Other sources of information on the current status of each SWMU gathered from plant personnel during the 2012 field reconnaissance,
- The database of analytical results for soil and groundwater samples from the Plant Area.

2.2 Belle Plant Area Decision Tree Description

As stated above, this decision tree was developed to objectively classify the Belle Plant Area SWMUs. The decision tree was designed to provide a process by which all SWMUs can be evaluated consistently while also taking into account all the differences in conditions of the SWMUs identified in the Plant Area. It is important to note that if uncertainly arises with regard to making a decision at any point in the evaluation of an individual SWMU, a conservative approach was utilized.

In the sections below, each decision point in the Belle Plant Area SWMU Decision Tree (Figure 1) is discussed and the possible outcomes are presented. Each subheading below represents one decision point, starting at the top of the decision tree and working down each path. Decision points in the Decision Tree are numbered 1 through 11 as indicated in Figure 1. This decision tree description starts with Decision Point #1 and follows the path on the left side of the decision tree.

1. Was the SWMU Previously Investigated?

Some Belle Plant Area SWMUs have been investigated previously under earlier phases of the RFI, under other programs, or during closure. If previous investigations were conducted, the path down the left side of the tree is followed.

2. Evidence of a Release?

If it has been determined that an investigation was conducted for a SWMU, then evidence of a release is evaluated next. Evidence of a release may include, but is not limited to:

- Visual observations made of an active or historic release, such as leaking fluids or stained surfaces.
- Documentation reporting a release.
- Data obtained in the investigation such as groundwater, soil or surface water, or rinsate results indicating a release.

Conversely, if documentation exists noting that no releases are known or suspected, such as soil or groundwater sampling results confirming the absence of SWMU related contaminants, then the answer to this question is no, there is no evidence of a release. Therefore, if the SWMU was previously investigated and no evidence of a release was found, then no further action is required for this SWMU.

3. Was Release Delineated?

If evidence of a release from a SWMU exists, the next decision point is to determine if the release has been delineated (Decision Point #3). A SWMU is considered to be delineated if the lateral and vertical extents of the release have been identified. Delineation may also be shown by way of confirmatory sampling results indicating that an impact no longer exists following a remedial activity. If the release has been delineated, then no further investigation is required for this SWMU and the RFI is considered complete. However, any SWMUs categorized as no further investigation will be carried forward in the Corrective Measures Study (CMS) and further evaluation of the SWMU may be conducted, if needed, during the CMS. If the release had not been delineated, the path joins the right side of the decision tree and will ultimately end up in either the “Investigation to be Proposed” box, or the “Investigation Deferred” box, depending on if it is safe to investigate at this time or not.

4. SWMU Status?

If the SWMU has not previously been investigated, then the current SWMU status is determined (Decision Point #4). SWMU status is either active or inactive. Active SWMUs are those still in use for the purpose described in the RFA (Kearney, 1991) in which the unit was designated as a SWMU. A SWMU is considered inactive if it meets any of the following conditions:

- The SWMU was closed, either formally with agency approval or informally without agency approval.
- The SWMU is out of use.
- The SWMU has been or is in the process of being dismantled or removed.
- The SWMU is in use for a purpose other than the purpose originally described in the RFA (Kearney, 1991).

Inactive SWMUs follow the path on the right of the decision tree to Decision Point #5, while active SWMUs follow the path in the center to Decision Point #6.

5. Closure Documentation Available?

If a SWMU is inactive, then the next step is to determine if closure documentation is available for RCRA-permitted SWMUs (Decision Point #5). Many of Belle Plant Area SWMUs were identified as being closed in the SWMU Description column of Table 3-1 or in the Current Status column in Table 8-1 of the *Current Conditions Report* (DuPont CRG, 1999). For some of the closed SWMUs, closure dates are provided in this table and in other cases, the table noted that closure reports are on file at the site. Some of these closure reports have been found in the site files. However, in many cases, closure documentation was not found. A search of appropriate West Virginia State Agency files was conducted and only a few additional closure reports were located. The Environmental Coordinator for the Belle Plant and the former coordinator were interviewed and confirmed that RCRA-regulated SWMUs were closed according to agency regulations. Based on this institutional knowledge, no further action is required for these SWMU. If no closure documentation was available or thought to exist, the pathway to Decision Point 6 was followed.

6. SWMU Location?

If the SWMU status has been identified as active, or closure documentation for an inactive SWMU does not exist, then the location of the SWMU with respect to the ground surface (above ground or below ground) is determined (Decision Point #6). Above ground SWMUs include all units which are positioned above the ground surface such as tanks, storage areas, loading and unloading areas, and boilers. Below ground SWMUs include those positioned below the ground surface and include units such as underground tanks, trenches, sumps, wastewater treatment lines, and injection wells. This distinction is important because it may not be possible to determine if a below ground SWMU has had a release or not, and typically, confirmatory sampling to verify no release has occurred is required for closure. However, with an above ground SWMU, evidence of a release, or evidence of no release, may be more easily observed or identified. Furthermore, closure of an above ground SWMU does not automatically require confirmatory sampling.

At this point in the decision tree, two very different paths are taken depending on if the SWMU is below ground or above ground. The above ground path is presented first.

7. Records Review Completed?

If a SWMU is located above ground, the next step focuses on reviewing all records available to see if evidence of a release exists (Decision Point #7).

Evidence of a release may include, but is not limited to:

- Visual observations made of an active or historic release, such as leaking fluids or stained surfaces,

- Documentation reporting a release,
- Analytical data such as groundwater, soil or surface water, or rinsate results indicating either a release or that no release has occurred.

Conversely, if no releases are known or suspected, such as indicated in the Comments column of Table 8-1 in the *Current Conditions Report* (DuPont CRG, 1999), then the answer to this question is no, there is no evidence of a release. If no evidence of a release exists, the path to the left is followed to the next decision point, which evaluates secondary containment (Decision Point #8). If a release is known or possible, the path is followed to the "Are there Relevant Data Available?" (Decision Point #9).

8. Reliable Secondary Containment?

If no evidence of a release exists for a SWMU, then the next decision point evaluates secondary containment for the SWMU (Decision Point #8). In many cases, the RFA (Kearney, 1991), the SWMU Assessment Checklists from 1993-1994, and Table 8-1 provide information on the existence and quality of secondary containment for a SWMU. If the secondary containment that exists is appropriate for the SWMU, is reliable, and would have prevented any releases from migrating out of the secondary containment, then the answer to this question is yes. In this evaluation, it was decided that if a SWMU is or was located within a building, the building itself acted as secondary containment, given that any releases from the SWMU inside a building would remain within the building and not migrate to soil or groundwater outside of the building. Trench and sump systems within a building, which may have provided secondary containment for SWMUs, will require safe investigation, when possible. If secondary containment is deemed reliable, then no further action is required for the SWMU. If there is no secondary containment or the secondary containment is deemed not reliable due to cracks or other such imperfections which may have allowed a release to migrate to the environment, then the path is followed to the "Are there Relevant Data Available?" (Decision Point #9).

9. Are There Relevant Data Available?

If the secondary containment for a SWMU is deemed not reliable or appropriate (as described above), or a possible or known release from a SWMU exists, then determining if relevant data exists that indicate whether a release has occurred or not is the next step.

Relevant data include:

- Analytical data such as groundwater, soil or surface water, or rinsate results indicating either a release or no evidence of a release,
- Confirmatory sampling results following a remedial activity either indicating no further evidence of a release,
- Documentation that a release has not been remediated or that remediation was deferred.

If relevant data do not exist, or relevant data show that a release exists that has not been delineated, the pathway to the "Is Safe Investigation Possible at this Time?" box is followed (Decision Point #11). If relevant data do exist and the data show that there is no release, or that the release had been remediated, then no further action is required.

10. Was the Release Delineated?

If the relevant data indicate a release, then delineation of the release is evaluated (Decision Point # 10). If the release has been delineated (Decision Point #10), the RFI for that SWMU is considered complete and no further investigation is required. However, any SWMUs categorized as no further investigation will be carried forward in the Corrective Measures Study (CMS) and further evaluation of the SWMU may be conducted, if needed, during the CMS. If the release has not been delineated, the pathway to decision point #11 is followed.

11. Is Safe Investigation Possible at this Time?

As stated above, below ground SWMUs include those located below the ground surface, which includes units such as trenches, sumps, wastewater treatment lines, and injection wells. If the active SWMU was located below the ground surface, the decision tree path is followed to the "Is Safe Investigation Possible at this Time?" box (Decision Point #11). In addition, for SWMUs from which a release exists, but has not been delineated, or where not enough information exists to determine if impacts exist or not, the path to the "Is Safe Investigation Possible at this Time?" box (Decision Point #11) is also followed.

If safe investigation is possible at this time, then an investigation is proposed in the Phase IV Work Plan. If safe investigation is not possible at this time due to site conditions in the area of the SWMU (such as active chemical operations, etc.), then the investigation of the SWMU will be deferred until such time that investigations can safely be conducted.

3.0 Belle Plant Area SWMU Decision Tree Evaluation Results

As stated above, this decision tree (Figure 1) was developed to objectively classify the Belle Plant Area SWMU. Based on this evaluation, SWMUs were categorized as no further action, RFI complete and no further investigation required, investigation to be proposed, or investigation deferred.

Table 1 provides the results of the decision tree evaluation for each of the SWMUs in the Belle Plant Area. This table includes the following information:

- SWMU Number – as identified in the RFA,
- SWMU Name,
- SWMU Description – a brief description of the SWMU operation and history (From the *Current Condition Report* (DuPont CRG, 1999)

- Comments [from the *Current Condition Report* (DuPont CRG, 1999) – copied from Table 8.1],
- 2012 Status – from the 2012 field reconnaissance,
- Decision Tree Evaluation Result,
- Investigation Rational – this indicates the decision point path followed, and provides the answers for each decision point and the investigation category determined.

In this evaluation, 184 SWMUs and AOCs in the Belle Plant Area were examined. Three of these (AOC A, SWMU 41 and SWMU 150) were classified into two categories due to specific circumstances, as indicated in Table 1. Figure 2 provides the locations of each SWMU or AOC and shows in which category each was placed. SWMUs and AOCs in the Investigation to be Proposed category were carried forwards in the Phase IV RFI Work Plan.

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
AOC A	AOC A Former Coke Plant and Benzol Process Area	All buildings and support equipment associated with the Coke plant and Benzol Process Area have been removed. Wastes generated in the coking process were used as fill material in the southwest portion of the plant. The operation of the Former Coke Plant and the Benzol Area are considered to be the source of volatile organics detected in the Southwest Ground Water Seep (AOC B).	1999 - Wastes generated in the coking process were used as fill material in the southwest portion of the plant. The operation of the Former Coke Plant and the Benzol Area are considered to be the source of volatile organics detected in the Southwest Ground Water Seep (AOC B).	Area is now a gravel and paved lot. Have photo.	AOC A has 2 locations, the Former Coke Plant and the Benzol Process Area Former Coke Plant 1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation 6. Above Ground 7. No Releases 8. Secondary Containment may not be Reliable – asphalt pavement with no curbs and high-level alarm 9. No relevant Data 11. Safe Investigation is Possible at this Time Investigation to be Proposed Benzol Process Area 1. Previously Investigated 2. Evidence of a Release 3. Release Delineated and dual phase extraction system installed as an interim measure during the fourth quarter 2005 and currently operating No Further Investigation	Investigation to be Proposed (Phase IV) Investigated during Phase IV Former Coke Plan t – No Further Action Former Benzol Process Area – IRM Carried forward in CMS
AOC B	AOC B Southwest Groundwater Seep	The seep is located along the bank of the Kanawha River. The seep was discovered in August 1989 when an oil-like sheen was noted on groundwater discharging to the river from the shallow overburden.	1999 - The seep was discovered in August 1989 when an oil-like sheen was noted on groundwater discharging to the River from the shallow overburden. Sampling was conducted in June and September 1989. Metals, PAHs, acetone, and benzene were reported at elevated higher levels.	Still exists. Have photo.	1. Previously Investigated 2. Evidence of a Release 3. Release Delineated and dual phase extraction system installed as an interim measure during the fourth quarter 2005 and currently operating No Further Investigation	No Further Investigation – IRM Carried forward in CMS
AOC C	AOC C Raw Material and Product Loading/Unloading Areas	The areas receive raw materials from tanker trucks, railcars, and containers. Locations are either paved with asphalt or concrete or gravel covered soil.	1999 – All Unloading areas visited during the VSI were noted to be in good condition and had absorbent materials for spill control.	Not observed in 2012	1. SWMU Not Previously Investigated 4. Inactive 5 No closure documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – All areas have absorbent materials for spills and good housekeeping 9. Relevant Data – wells downgradient along river show no sign of release No Further Action	No Further Action

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
AOC D	AOC D Riverside Raw Material Unloading Areas	These areas located along the Kanawha River are used to unload raw materials from barges or other ships. The areas have booms which connect with the tankers and unload the material into onsite tanks. Materials received include coal and acetone. This unit was removed in 1993.	1999 - Past practice at the coal unloading area included the release of coal into the river. An upgrade to the conveyor system has been completed and rip-rap has been installed along the river bank.	Various locations along the river. Not observed during the reconnaissance in 2012.	1. SWMU Not Previously Investigated 4. Inactive 5 No closure documentation Required 6. Above Ground 7. Known Releases of coal into the River, but conveyor house and conveyor system were enclosed and riprap installed on riverbank to eliminate future releases 8. Reliable Secondary Containment 9. Relevant Data – wells downgradient along the river show no sign of release No Further Action	No Further Action
AOC E	AOC E Underground Fuel Storage Tanks	The original tanks were installed in 1979 and replaced in 1989 with two underground, 8,000-gallon, double-walled, fiberglass fuel storage tanks. One of the tanks contained diesel fuel and the other gasoline. Closed Under UST Program	1999 - At the time of removal, tanks were inspected and confirmed to be structurally sound. At a later date, sampling was conducted at the high water table. The results indicated greater than 100 ppm TPH. The facility intends to investigate further.	Tanks were installed (double-walled with secondary containment system and leak detection) in 1989 and are in use. Have photo.	1. SWMU Not Previously Investigated Investigation to be Proposed based on CCR (1999)	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS
AOC F	AOC F Formaldehyde Spill	On August 8, 1983, approximately 4,000-lb. of a 56% formaldehyde solution was discharged to Simmons Creek. The spill was caused by the failure of a process pump.	1999 - On August 8, 1983, approximately 4,000 lb. of a 56% formaldehyde solution was discharged to Simmons Creek. The spill was caused by the failure of a process pump.	Storm sewer discharge point located.	Decision Tree not Applicable - This is an isolated spill of 56% formaldehyde solution. Spill caused as overflow in the pump containment system and the spill material entered a storm sewer which discharged to Simmons Creek. Formaldehyde rapidly dissipates in air and soil so none of the material was recovered. There were no observed effects on aquatic life due to the spill. Investigation to be Proposed - Sediments near the discharge point of the storm sewer into Simmons Creek will be sampled for evidence of the spill.	Investigation to be Proposed (Phase IV) Investigated during Phase IV – No Further Action
AOC G	AOC G Sulfuric Acid Spill	On November 9, 1988, approximately 3,000-lb. of sulfuric acid was discharged to the Kanawha River. The spill was caused by a leak in a heat exchanger in the Spent Acid Regeneration Plant.	1999 - On November 9, 1988, approximately 3,000 lb. of sulfuric acid was discharged to the Kanawha River. The spill was caused by a leak in a heat exchanger in the Spent Acid Regeneration Plant.	Unit is being dismantled. Have photo.	Decision Tree not Applicable - This is an isolated spill of sulfuric acid which occurred on an asphalt area in the Spent Acid Regeneration Plant which then flowed to the Kanawha River. Safe investigation not possible at this time due to materials stockpiled in this area. Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
1	SSS Wastewater Tank No. 1	The unit is a 16,000- gallon steel vertical, cylindrical above ground covered tank that is used as an intermediate hold-up and treatment tank for the neutralization of an acidic waste stream from the SSS Area. The tank is 10 feet in diameter and 32.75 ft. high. The tank rests on a 1.83 ft. thick concrete pad. There is a one foot high concrete containment dike that surrounds the base of the tank which will hold 1,100 gallons.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during Visual Site Inspection (VSI) or Preliminary Review (PR). Unit has good secondary containment.	Tank was removed. Area is now a gravel lot next to the SSS DPE system. Have photo. In SSS area, lots of previous investigations and sampling resulting in installation and operation of current DPE system and additional sampling conducted under the Phase II ESA prior to leasing to Kureha. Investigated with SWMUS 5, 6, 7, 9, 10 and 11.	1. SWMU Previously Investigated - during the Phase II RFI [(see Phase II RFI Investigation report (DuPont CRG, 2003)] 2. Evidence of Release - Evidence of a release in the area not specifically associated with the SWMU, but likely associated with the former adipic acid process that resided in the location prior to the SSS process or to the SSS process. 3. Dual-phase extraction implemented as an Interim Remedial measure in March of 2005 and continues to operate. No Further Investigation	No Further Investigation – No Further Action in the current RCRA Permit
2	SSS Wastewater Tank No. 4	These two units (SWMUs 2 and 3) were identical carbon steel, closed-topped tanks (35 ft.in diameter and 35 ft. tall with a capacity of 250,000-gallons) which rested on concrete pads within a concrete walled containment dike and managed neutralized waste waters from the manufacture of SSS. These units were removed in 1997.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Tanks had good secondary containment.	Tank was removed. Area is now the Kureha parking lot. Have photo. Under active paved parking lot (SWMUs 2,3,12, and 13). After tanks were removed the area was backfilled to make it level and then it was turned into the C&D landfill which was active until 2010. Area was then paved and used as a parking lot. Phase I soil sampling was conducted and showed only 1 PAH and 1 ketone exceedance.	1. SWMU Previously Investigated - during the Phase I RFI [see Phase I RFI Work Plan (DuPont CRG, 2000) and the RFI Summary of Analytical Results (DuPont CRG, 2002)] 2. No Evidence of a Release - 3 soils samples and 1 nearby groundwater sample No Further Action	No Further Action

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
3	SSS Wastewater Tank No. 5	See SWMU 2	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Tanks had good secondary containment.	Tank was removed. Area is now the Kureha parking lot. Have photo. See SWMU 2.	1. SWMU Previously Investigated - during the Belle Manufacturing Area Phase II Investigation (DuPont CRG, 2008) 2. No Evidence of a Release No Further Action	No Further Action
4	SSS D-2 Tank	The unit is a vertical, above-grade, epoxy-lined, carbon steel tank with a capacity of 55,000-gallons. The tank rests within a concrete containment system. The tank is used to separate DMA from an aqueous phase.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	Tank was removed. Kureha trailers now parked in this area. Have photo. Investigated with SWMUs 8, 11, 14, 156 and 184.	1. SWMU Previously Investigated - during the Belle Manufacturing Area Phase II Investigation (DuPont CRG, 2008) 2. No Evidence of a Release No Further Action	No Further Action
5	SSS BEB Heel Pot Tank	The unit is a 6 ft. high, carbon steel tank with a diameter of 5 ft. which is elevated 4 ft. above ground on steel legs. The tank received wastes containing BEB. The stand rests on a sloped concrete pad with a 2-inch curb on three sides.	1999 - The concrete pad beneath the unit was noted to be pitted during the VSI. There is no information in the file that indicates a release occurred.	Tank was removed. Area is now a gravel lot next to the SSS DPE system. Have photo. Investigated with SWMUS 1, 6, 7, 9, 10 and 11.	1. SWMU Previously Investigated - during the Phase II RFI [(see Phase II RFI Investigation report (DuPont CRG, 2003)] 2. No Evidence of Release - Evidence of a release in the area not specifically associated with the SWMU, but likely associated with the former adipic acid process that resided in the location prior to the SSS process or to the SSS process. 3. Dual-phase extraction implemented as an Interim Remedial measure in March of 2005 and continues to operate. No Further Investigation	No Further Investigation – No Further Action in the current RCRA Permit
6	SSS Receiver Tank	The unit is a 10 ft. long, 8 ft. diameter horizontal tank resting on steel legs. The unit served as a hold-up tank for the methylene chloride still (SWMU 7). Currently, this unit is an active Ag-Products Tank.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Tank is located within a building with trench and sump collection system.	Tank was removed. Area is now a gravel lot next to the SSS DPE system. Have photo. Investigated with SWMUS 1, 5, 7, 9, 10 and 11.	1. SWMU Previously Investigated - during the Phase II RFI [(see Phase II RFI Investigation report (DuPont CRG, 2003)] 2. No Evidence of Release - Evidence of a release in the area not specifically associated with the SWMU, but likely associated with the former adipic acid process that resided in the location prior to the SSS process or to the SSS process. 3. Dual-phase extraction implemented as an Interim Remedial measure in March of 2005 and continues to operate. No Further Investigation	No Further Investigation – No Further Action in the current RCRA Permit
7	SSS Methylene Chloride Still	The unit is a steel tank supported by steel legs with a capacity of approximately 600-gallons. This unit received liquid waste containing methanol and toluene.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Tank is located within a building.	Tank was removed. Area is now a gravel lot next to the SSS DPE system. Have photo. Investigated with SWMUS 1, 5, 6, 9, 10 and 11.	1. SWMU Previously Investigated - during the Phase II RFI [(see Phase II RFI Investigation report (DuPont CRG, 2003)] 2. No Evidence of Release - Evidence of a release in the area not specifically associated with the SWMU, but likely associated with the former adipic acid process that resided in the location prior to the SSS process or to the SSS process. 3. Dual-phase extraction implemented as an Interim Remedial measure in March of 2005 and continues to operate. No Further Investigation	No Further Investigation – No Further Action in the current RCRA Permit

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
8	SSS Unidentified Contents Drum Storage Areas	This unit consisted of thirty-one 55-gallon drums with unknown contents (assumed to be contaminated soil and wastewater). Drums were managed in accordance with RCRA regulations after the contents were analyzed. The drums were removed and disposed of properly.	1999 - During VSI, drums were located on pallets on soil. Surface. Drums were noted to be rusted and corroded. Drums were removed and disposed of properly.	Storage area is now located under a building. Dirt was excavated. Data generated by Potesta. Have photo. Investigated with SWMUs 4, 11, 14, 156 and 184.	1. SWMU Previously Investigated - during the Belle Manufacturing Area Phase II Investigation (DuPont CRG, 2008) 2. No Evidence of a Release No Further Action	No Further Action
9	SSS Trench and Sump System	The unit consists of (acid resistant) brick lined trenches and sumps which receive waste water from the SSS Area. The trenches vary in depth from 6 -12 inches and in width from 6 - 24 inches. The sumps vary in depth from 2 to 10 ft. and in diameter from 3 to 6 ft.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit is acid brick lined with portions of the system located within a building. Unit receives quarterly inspections.	SSS Trench and Sump System were removed. DPE area. Data by Potesta. Have photo. Investigated with SWMUS 1, 5, 6, 7, 10 and 11.	1. SWMU Previously Investigated - during the Phase II RFI [(see Phase II RFI Investigation report (DuPont CRG, 2003)] 2. No Evidence of Release - Evidence of a release in the area not specifically associated with the SWMU, but likely associated with the former adipic acid process that resided in the location prior to the SSS process or to the SSS process. 3. Dual-phase extraction implemented as an Interim Remedial measure in March of 2005 and continues to operate. No Further Investigation	No Further Investigation – No Further Action in the current RCRA Permit
10	SSS Loading/Unloading Areas	This unit consists of two pads which are approximately 60 ft. long, 12 ft. wide, and have 4-inch high curbs which run the length of each pad. The pads were used to load product, spent oleum, and methylene chloride, and to unload oleum, methylene chloride, and hydrochloric acid. Currently, this unit is used by Ag-Products.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment. Minor cracks were noted during visual inspection.	Next to the SSS DPE system. Have photo. Investigated with SWMUS 1, 5, 6, 7, 9 and 11.	1. SWMU Previously Investigated - during the Phase II RFI [(see Phase II RFI Investigation report (DuPont CRG, 2003)] 2. No Evidence of Release - Evidence of a release in the area not specifically associated with the SWMU, but likely associated with the former adipic acid process that resided in the location prior to the SSS process or to the SSS process. 3. Dual-phase extraction implemented as an Interim Remedial measure in March of 2005 and continues to operate. No Further Investigation	No Further Investigation – No Further Action in the current RCRA Permit
11	Former SSS Container Storage Area C	This is a closed RCRA-regulated unit. The unit had a capacity of 11,000-gallons (200 55-gallon containers). The unit was 30 ft. wide, 50 ft. long and had an asphalt base. The area is now used to store wooden pallets.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Rinsate samples collected from the pad during closure indicated that no contaminants remained on the pad.	Pad is gone. Kureha operations are where the pad was located. Have photo. Investigated with SWMUs 4, 8, 14, 156 and 184. And with Investigated with SWMUS 1, 5, 6, 7, 9, and 10.	1. SWMU Previously Investigated - during the Belle Manufacturing Area Phase II Investigation (DuPont CRG, 2008) 2. No Evidence of a Release No Further Action	No Further Action

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
12	Former SSS Wastewater Tank No. 3 (Tank ID No. 73)	The tanks (SWMUs 12 and 13) have been removed from this area. The tanks were each 250,000-gallon vertical, cylindrical above ground covered tanks which were used for storage of a neutralized acid waste stream. The tanks were 35 ft. high with diameters of 35 - ft. and were constructed of steel. The tanks rested on a 2 ft. thick compacted earth and gravel fill foundation. A sump was located within the 6 ft. high diked containment area.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Secondary containment consisted of a compacted earth and gravel fill foundation within a 6 ft. high diked containment area.	Tank is gone. Kureha parking lot near Rt. 60. Have photo. Investigated with SWMUS 2, 3, and 13. See SWMU 2.	1. SWMU Previously Investigated - during the Phase I RFI [see Phase I RFI Work Plan (DuPont CRG, 2000) and the RFI Summary of Analytical Results (DuPont CRG, 2002)] 2. No Evidence of a Release - 3 soils samples and 1 nearby groundwater sample No Further Action	No Further Action
13	Former SSS Wastewater Tank No. 6 (Tank ID No. 74)	See SWMU 12 Current Conditions Report SWMU Description (1999)	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Secondary containment consisted of a compacted earth and gravel fill foundation within a 6 ft. high diked containment area.	Tank was removed. Location is under Kureha parking lot near Rt. 60. Fill dirt was added to bring up to grade. Made into C&D landfill. C&D landfill active until 2010. Have photo. Investigated with SWMUs 2, 3, and 12. See SWMU 2.	1. SWMU Previously Investigated - during the Phase I RFI [see Phase I RFI Work Plan (DuPont CRG, 2000) and the RFI Summary of Analytical Results (DuPont CRG, 2002)] 2. No Evidence of a Release - 3 soils samples and 1 nearby groundwater sample No Further Action	No Further Action
14	Former SSS Calgon Treatment System	The system treated brine generated from the manufacture of an organic intermediate for the textile fibers industry. The unit consists of two steel carbon absorption vessels. The tanks were mounted above a concrete floor inside of Building 226. This unit was relocated in March 1985 and reinstalled in the rear of the building.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit was located within a building with trench and sump collection system.	Treatment system was removed. May have Potesta soil sample data. Now Kureha trailer city north of SSS DPE is now located in this area. Have photo. Investigated with SWMUs 4, 8, 11, 156 and 184.	1. SWMU Previously Investigated - during the Belle Manufacturing Area Phase II Investigation (DuPont CRG, 2008) 2. No Evidence of a Release No Further Action	No Further Action
15	OSD Coal/Waste Fired Boiler #6	The system treated brine generated from the manufacture of an organic intermediate for the textile fibers industry. The unit consists of two steel carbon absorption vessels. The tanks were mounted above a concrete floor inside of Building 226. This unit was relocated in March 1985 and reinstalled in the rear of the building.	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR. Units are vented through mechanical collectors which lead to three electrostatic precipitators.	Closure documents were located (4/98). Plant boilers 6, 10, 14, and 15 are still in use as gas fired boilers. No photos.	1. SWMU Not Previously Investigated 4. Inactive as coal fired boiler, now gas fired 5. Closure Documentation Located No Further Action	No Further Action

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Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
16	OSD Coal/Waste Fired Boiler #9	The system treated brine generated from the manufacture of an organic intermediate for the textile fibers industry. The unit consists of two steel carbon absorption vessels. The tanks were mounted above a concrete floor inside of Building 226. This unit was relocated in March 1985 and reinstalled in the rear of the building.	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR. Units are vented through mechanical collectors which lead to three electrostatic precipitators.	Boiler still in place inside building, but not used. Files (DEP) located (12/97, 12/99) that declare unit no longer burns coal. Closure documentation located.	1. SWMU Not Previously Investigated 4. Inactive as coal fired boiler, now gas fired 5. Closure Documentation Located at Site (DEP files 12/97 and 12/99) No Further Action	No Further Action
17	OSD Coal/Waste Fired Boiler #10	The system treated brine generated from the manufacture of an organic intermediate for the textile fibers industry. The unit consists of two steel carbon absorption vessels. The tanks were mounted above a concrete floor inside of Building 226. This unit was relocated in March 1985 and reinstalled in the rear of the building.	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR. Units are vented through mechanical collectors which lead to three electrostatic precipitators.	Boiler is inside building and in use, but no longer coal fired.	1. SWMU Not Previously Investigated 4. Inactive as coal fired SWMU, now gas fired 5. No Closure Documentation Located Yet, but institutional knowledge indicates closed according to regulations 6. Above Ground 7. No releases 8. Reliable secondary Containment (inside building) No Further Action	No Further Action
18	OSD Coal/Waste Fired Boiler #14	The system treated brine generated from the manufacture of an organic intermediate for the textile fibers industry. The unit consists of two steel carbon absorption vessels. The tanks were mounted above a concrete floor inside of Building 226. This unit was relocated in March 1985 and reinstalled in the rear of the building.	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR. Units are vented through mechanical collectors which lead to three electrostatic precipitators.	Inside building. Files (DEP) located (12/97, 12/99) that declare unit no longer burns coal. Closure documentation located.	1. SWMU Not Previously Investigated 4. Inactive as coal fired boiler, now gas fired 5. Closure Documentation Located No Further Action	No Further Action
19	OSD Coal/Waste Fired Boiler #15	The system treated brine generated from the manufacture of an organic intermediate for the textile fibers industry. The unit consists of two steel carbon absorption vessels. The tanks were mounted above a concrete floor inside of Building 226. This unit was relocated in March 1985 and reinstalled in the rear of the building.	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR. Units are vented through mechanical collectors which lead to three electrostatic precipitators.	Boiler is inside building and in use, but no longer coal fired.	1. SWMU Not Previously Investigated 4. Inactive as coal fired SWMU, now gas fired 5. No Closure Documentation Located, but institutional knowledge indicates closed according to regulations 6. Above Ground 7. No releases 8. Reliable secondary Containment (inside building) No Further Action	No Further Action

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Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
20	OSD Electrostatic Precipitator No. 2	There are three electrostatic precipitators (EPs) (SWMUs 20-22) which were manufactured by Universal Oil Product. The No. 2 EP received the off-gas from OSD Coal/Waste-Fired Boilers (No. 6 and 9). Off-gas was received by the No. 3 EP from Boilers No. 14 and 15 and EP No. 5 receives off-gas from Boiler No. 10. The boilers were required to operate at 90% efficiency. Both fly ash and bottom ash were generated in the burning process. Fly ash was collected in four hoppers. These units were put out of service in 1993. Closure reports are on file at the Site.	1999 - Units operated at 90% efficiency, indicating that 10% of the off-gases were released. SWMUs 21 and 22 are known to have discharged in excess of limitations. Closure reports exist for these units. Fly ash only	Unit still exists, but is no longer used. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, still exists, but no longer used 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - inside building No Further Action	No Further Action
21	OSD Electrostatic Precipitator No. 5	See SWMU 20	1999 - See SWMU 20	Inside building and unit still exists, but is no longer used. George Harris may have the file.	1. SWMU Not Previously Investigated 4. Inactive, still exists, but no longer used 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - inside building No Further Action	No Further Action
22	OSD Electrostatic Precipitator No. 3	See SWMU 20	1999 - See SWMU 20	Inside building and unit still exists, but is no longer used. George Harris may have the file.	1. SWMU Not Previously Investigated 4. 4. Inactive, still exists, but no longer used 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - inside building No Further Action	No Further Action
23	OSD Fly Ash Silo and Baghouse	This unit is a silo that received fly ash from the OSD EPs (SWMUs 20-22) via air forced ducts. The silo is approximately 80 ft. in height, 25 ft. in diameter and is located on an asphalt paved area. The unit is constructed of tile-lined brick and has a capacity of 250 tons. The silo is equipped with a cyclone separator and bag filters. This unit is currently out of service.	1999 - No known releases greater than permitted discharge rate occurred at this unit. Unit has good secondary release controls. Fly ash only	Unit still exists, but is no longer used. Have photo.	1. SWMU Not Previously Investigated 4. 4. Inactive, still exists, but no longer used 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - inside building No Further Action	No Further Action

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
24	OSD Indoor Trench and Sump System	The unit consists of concrete floor trenches, a grinder sump, and a pump sump. The unit was used as a collection system for bottom ash from the OSD Coal/Waste-Fired Boilers (SWMUs 15-1 9). The bottom ash was washed out of the boilers and discharged to the floor trenches. These trenches are 1.5 ft. wide and 0.5 to 1 ft. deep. The slurry from the trench discharged to the concrete grinder sump which is 8 ft. square and 14- ft. deep. The steel grinder crushed the bottom ash so it can be pumped and flow to the pump sump. The pump sump is 10 ft. long, 5 ft. wide and 10 ft. deep.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Fly ash only	Trench and sump still exists, and is in use. Have photo.	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 11. Safe Investigation Not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred – Carried forward in CMS
25	OSD Bottom Ash Collection Tank	The unit was a 2,670 cu. ft. capacity steel tank. The unit was mounted above an asphalt roadway on steel legs. The tank had a conical bottom. The tank was used as a decantation tank for the water/bottom ash slurry. The bottom ash settled out and the water was decanted off. About 90% of the water was recycled through the system. The remaining 10% was sent to the River Water Filter Plant for treatment.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PA Fly ash only.	Tank and concrete pad gone, covered in asphalt. Have photo. Photo from 1993-1994 shows floor trench for containment (SWMU 24).	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - inside building No Further Action	No Further Action
26	OSD Unloading Area	The unit is a concrete pad with collection trenches. The pad is 150 ft. long, 50 ft. wide and curbed on three sides with a slope for curb collection. The trenches are 1 ft. wide and 6 inches deep. The wastes received in this area are hazardous and nonhazardous wastes generated onsite and offsite.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has adequate secondary containment.	This is a SWMU that is used, but not for its original purpose. Now used as WTP tank wagon storage and tank wagon transfer (pump-over). Secondary containment goes to waste water treatment plant. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, but now used as WTP tank wagon storage and tank wagon transfer (pump-over) and closure documentation will be required when closed. 5. No Closure Documentation Located (for original purpose) 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - inside building No Further Action	No Further Action

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Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
27	OSD Pad Tank	The unit was an above ground, horizontal tank that was approximately 6 ft. long, 4 ft. in diameter with a capacity. The unit was an above ground, horizontal tank that was of 500-gallons. It was constructed of steel and rested on two steel cradles about 2 ft. above ground level. Material entered the tank via a funnel and valve system on the top of the tank. These wastes were then burned in the OSD Coal/Waste-Fired Boilers.	1999 - No releases at this SWMU are known or suspected. Minor staining on tank was noted during VSI, but no staining was observed on concrete pad	Tank was removed. Concrete pad still exists. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located. However, unit was closed under RCRA and was removed from permit with the renewal of the RCRA permit in 2003. No Further Action	No Further Action
28	OSD Hazardous Waste Tank No. 1 (ID No. 4A)	This RCRA -regulated unit was a vertical, steel, cylindrical, above ground covered tank used for waste storage prior to burning in the OSD Coal/Waste-Fired Boilers. The tank was 30 ft. high and had a maximum capacity of 158,000-gallons. The tank was located on a 2.75 ft. thick concrete pad and was surrounded by a 5.5 ft. dike providing 172,000 gallons of containment.	1999 - A log noted that leaks and corrective action had occurred in the OSD area. It is not known if this tank leaked. In 1988, this tank was overfilled and waste flowed into containment area. The unit had good secondary containment. Potential exposure from this unit was limited.	Tank was removed. Closure documentation was located. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. Closure Documentation Located No Further Action	No Further Action
29	OSD Hazardous Waste Tank No. 2 (ID No. 4B)	This RCW regulated unit is a vertical, steel, cylindrical, above ground covered tank used for waste storage prior to burning in the OSD Coal/Waste-Fired Boilers. The tank is 30 ft. high, with a 12 ft. outside diameter and a maximum capacity of 25,000-gallons. The tank is located on a concrete pad and is surrounded by a 5.5 ft. dike providing 43,100-gallons of containment.	1999 - A release has occurred at this unit. The unit had good secondary containment. Potential exposure from this unit was limited.	Tank was removed. Closure documentation was located. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. Closure Documentation Located No Further Action	No Further Action
30	OSD Hazardous Waste Tank No. 3 (ID No. 4C)	This RCW regulated unit is a vertical, steel, cylindrical, above ground covered tank used for waste storage prior to burning in the OSD Coal/Waste-Fired Boilers. The tank is 35 ft. high, with a 13 ft. outside diameter and a maximum capacity of 25,000-gallons. The tank is located on a concrete pad and is surrounded by a 5.5 ft. dike providing 43,100-gallons of containment.	1999 - A release has occurred at this unit. Unit has good secondary containment. Potential exposure from this unit was limited.	Tank and concrete pad were removed. Closure documentation was located. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. Closure Documentation Located No Further Action	No Further Action

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31	OSD Trench and Sump System	This unit is comprised on a series of ground level concrete trenches and a sump. The trenches are 6-12 inches wide, vary in depth from 6-12 inches, and are covered by steel grates and plates. All the trenches flow to a sump with dimensions 15 ft. by 8 ft. and 15 ft. deep. The sump discharges to the WWTP.	1999 - No releases at this SWMU are known or suspected. However, hazardous waste was contained in the sump as a result of overfilling SWMU 28.	Trench and sump still exists. Active as secondary containment for SWMU 26 which is used for tote storage. Have photo.	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 11. Safe Investigation Not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred – Carried forward in CMS
32	Former OSD Hazardous Waste Storage Tank (ID No. 3A)	These units consisted of four tanks (SWMUs 32-35) that were used to store wastes generated onsite prior to burning at the OSD Coal/Waste-Fired Boilers. The units were above ground tanks (varying in size) which were constructed on gravel pads. After removal of the fourth tank, some staining was noticed. Gravel and soil was removed. These units were closed in 1981 without an approved closure plan. The facility was fined for closing these units without an approved closure plan. However, no additional remedial activities were required for the unit by either the EPA Region Ill or WVDNR.	1999 - Several small spills occurred during closure activities. Approximately 800 cubic yards of impacted gravel and soil were removed from the site during closure. No evidence of a release was observed during VSI.	Tanks gone. Asphalt parking with some new infrastructure. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. Closed without an approved closure plan 6. Above Ground 7. Release known at fourth tank, 800 cubic yards of impacted soil/gravel removed 9. No Relevant Data - no confirmatory sampling 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS
33	Former OSD Hazardous Waste Storage Tank (ID No. 3B)	See SWMU 32	1999 - See SWMU 32.	Tanks gone. Asphalt parking with some new infrastructure.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. Closed without an approved closure plan 6. Above Ground 7. Release known at fourth tank, 800 cubic yards of impacted soil/gravel removed 9. No Relevant Data - no confirmatory sampling 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS
34	Former OSD Hazardous Waste Storage Tank (ID No. 3C)	See SWMU 32	1999 - See SWMU 32.	Tanks gone. Asphalt parking with some new infrastructure.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation 6. Above Ground 7. Release known at fourth tank, 800 cubic yards of impacted soil/gravel removed 9. No Relevant Data - no confirmatory sampling 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS

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Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
35	Former OSD Hazardous Waste Storage Tank (ID No. 3D)	See SWMU 32	1999 - See SWMU 32.	Tanks gone. Asphalt parking with some new infrastructure.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. Closed without an approved closure plan 6. Above Ground 7. Release known at fourth tank, 800 cubic yards of impacted soil/gravel removed 9. No Relevant Data - no confirmatory sampling 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS
36	Vazo AN Hazardous Waste Tank (ID No. 24)	This RCRA-regulated unit is a steel horizontal, cylindrical, above ground, indoor tank that stored rinsate from the amino nitrile filters. The tank is 9 ft. long, 5 ft. in diameter, and has a 1,140-gallon maximum capacity. The tank is supported by two steel cradles which rest on a 6-inch concrete foundation.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit was located within a building with trench and sump collection system. Unit was inspected daily.	Tank was removed. Area is mostly asphalt or 6 inches of gravel, but with lots of process piping around. Closure documentation was found. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. Closure Documentation Located No Further Action	No Further Action
37	Vazo (new) Hazardous Waste Tank	This RCRA-regulated unit is a carbon steel vertical, above ground, outdoor tank that received wastes from the Vazo AN Hazardous Waste Tank (SWMU 24). The tank is 30 ft. high, 5 ft. in diameter, and has a 9,300 gallon maximum capacity. The tank is located within a concrete containment system that is 13 ft. by 26 ft. and 5 ft. high.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	Tank is used, but for a different purpose than the original SWMU. This is a “new” stack. Have photo.	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – concrete containment system with sump in corner No Further Action	No Further Action
38	Vazo Trench and Sump System	This unit consists of a series of concrete lined trenches 6-1 2 inches wide, 6-1 2 inches deep, which are covered by steel grates and plates. Waste water collected in the trenches discharges to sumps which average 24 ft. by 3 ft. and 5 ft. deep in size.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit receives quarterly inspections.	Trench and sump still exists and is used. Inside building. Have photo of building.	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 11. Safe Investigation Not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred – Carried forward in CMS
39	Vazo Seal Pot	The unit is a vertical, stainless steel tank that is 5 ft. high and 4 ft.in diameter. The tank receives wastewater collected in the Vazo floor trench and sump system. This unit discharges to the WWTP.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit receives quarterly inspections.	Inside building. Unit is still active. Have photo of building.	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - inside building No Further Action	No Further Action

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40	Vazo Container Storage Area M	This RCRA-regulated unit is a section of a warehouse dedicated to the storage of Vazo waste. The area is 25 ft. long and 5 ft. wide. The warehouse has a cement floor and wastes are stored in containers which rest on pallets. The area is capable of storing 11,000 gallons of waste when fiber containers are stacked.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit receives quarterly inspections.	Unit is still active. Have photo.	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - inside building No Further Action	No Further Action
41 (41A and 41B)	Vazo Loading/Unloading Areas	There are two loading/unloading areas (Eastern and Western) in the Vazo Area. The eastern area is 40 ft. by 20 ft. and has a concrete surface. This area is used to load off-spec and product Vazo. The western area is a concrete pad that is 10 ft. wide, 50 ft. long and has 4 inch curbs on either side. This area is used to load tank wagons with AN washings.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI other than minor staining in the western unit. Unit receives quarterly inspections.	Area is still active. Have photos 41A and 41B.	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Release 8. Secondary Containment Not Reliable - 41A has a concrete pad with no berms, few areas of minor cracks Reliable Secondary Containment - 41B has a concrete pad with curbs and which slopes to a drain and sump which goes to SWMU 36 9. No Relevant Data - No nearby samples for 41A 11. Safe Investigation is Possible at this Time for 41B Investigation to be Proposed for 41A and No Further Action for 41B	Investigation to be Proposed (Phase IV) for 41A – No Further Action and for 41B-Investigated during Phase IV – No Further Action
42	Former Vazo Hazardous Waste Tank (ID No. 25)	These units (SWMUs 42 and 43) were identical vertical, cylindrical, above ground, covered tanks that were used to store amino nitrile washings from the Vazo AN hazardous waste tank. The tanks were about 22 ft. high, 8 ft. in diameter, and had a capacity of 8,800-gallons. Certification that these RCRA regulated units were closed was submitted to WVDNR on June 22, 1990.	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR. Units have good secondary containment.	Tank was removed. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment (concrete pas with curbs and sump) No Further Action	No Further Action
43	Former Vazo Hazardous Waste Tank (ID No. 26)	See SWMU 42	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR. Units have good secondary containment.	Tank was removed. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment (concrete pas with curbs and sump) No Further Action	No Further Action

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44	Former Vazo Container Storage Area L	This unit was a partially-curbed 12 by 30 ft. asphalt pad. The majority of the unit was excavated in 1990. Certification that this RCRA regulated unit was closed was submitted to WVDNR on June 22, 1990.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Soil sampling conducted at time of closure indicated that No releases had occurred from this unit.	Paved with new stack on it (see SWMU 37). Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment (SWMU was the secondary containment and soil sampling conducted at time of closure indicated that no releases had occurred from this unit) No Further Action	No Further Action
45	Former Vazo Container Storage Area N	This unit was an enclosed, refrigerated trailer van. The maximum inventory of the unit was 2,600-lb. or fifty-two 50-lb. leverpak drums. The trailer was located on an asphalt pad. The facility submitted a certification for closure on December 12, 1986.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Activities at this unit were conducted in an enclosed, refrigerated trailer van located on an asphalt pad.	Area is still used but is no longer used for RCRA wastes. Still use the trailers for product storage.	1. SWMU Not Previously Investigated 4. Inactive and used for different purpose, no longer used for RCRA wastes 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment (inside enclosed trailer van and on concrete pad) No Further Action	No Further Action
46	Ag-Mature SBU Hazardous Waste Tank	The unit was a horizontal, cylindrical, above ground tank that stored vacuum still waste. The tank was 6 ft. in diameter, 18 ft. in length, and had a maximum capacity of 3,600-gallons. This RCRA regulated unit was closed in 1996.	1999 - A release did occur from this unit in 1989. The spill was contained within the trench system. There was No release to the environment due to this spill. Upgrade of containment system occurred in 1989.	Tank was removed. Closure documentation located (Tank ID No. 11). Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. Closure Documentation Located. No Further Action	No Further Action
47	Ag-Mature SBU Mother Liquor Tank	The unit is a 5,150-gallon, vertical steel tank. The tank is 10 ft. tall and 10 ft. in diameter and is supported above a concrete containment system by a steel skirt. The tank is primarily used as a process tank in the production of SBU and as a hold-up tank for wash water.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment. Unit receives quarterly inspections.	Tank was removed. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - concrete floors with dikes and sump No Further Action	No Further Action

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48	Ag-Mature SBU Waste Loading Area	The unit is a 30 ft. long, 10 ft. wide asphalt pad. The unit is used for loading waste from the Ag-Mature SBU Hazardous Waste Tank (SWMU 46) into a Tank Wagon (SWMU 185). There are no curbs or dikes around this unit. The run-off flows to a gravel pad which is adjacent to a drain which flows to the WWTP. The unit manages waste from SWMU 46.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR.	Now an asphalt pad. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, now an asphalt pad 5. No Closure Documentation 6. Above Ground 7. No Releases 8. Secondary Containment Not Reliable - No Secondary Containment and would flow to gravel pad adjacent to drain to WWTP, drain can be closed to prevent spills from entering and spill would stay in gravel 9. No Relevant Data - One nearby upgradient soil/GW sample (HP-4) soil had one low level exceedance SVOC, GW had two pesticide exceedances (heptachlor and phorate). 11. Safe Investigation is Possible at this Time Investigation to be proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – No Further Action
49	Ag-Mature SBU Container Storage Area BB	This unit is a 50 ft. square asphalt pad. There are no curbs or dikes associated with this unit. The pad slopes to the south to a drain which is connected to the WWTP. The unit is used to store containers of wastes from several different process areas. This area was closed in 1991	1999 - No releases at this SWMU are known. An oily sheen was observed on standing water in the southwest portion of the unit during the VSI. Information on cleaning and closure of this unit is one file at the plant.	Used for different purpose than original SWMU, used for non-waste storage now. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and used for non-waste storage 5. Closure Documentation Located No Further Action	No Further Action
50	Ag-Mature SBU Wet Benlate Loading/ Unloading Area	There are two loading/unloading areas located in the Ag- Mature Wet Benlate area of the facility. The first unit is used for loading a Tank Wagon (SWMU 185) with MEK still bottoms from the benomyl pot still. The unit is a sloped concrete pad 10 ft. wide by 30 ft. long. The pad slopes from grade level on the east side to 0.5 ft. below grade on the western end. There is a concrete drain sump at the western end which is connected to SWMU 145. The second area is used for loading Tank Wagons with ammonia heads from SWMU 59. The unit is a 10 by 304 concrete pad with 1 ft. high concrete curbs on three sides. The pad slopes to a concrete sump located in the middle of this unit which is connected to SWMU 145.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	SWMU is gone and is an asphalt and concrete area. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - concrete pad with curbs and sump to WWTP No Further Action	No Further Action

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51	Ag-Mature SBU Wet Benlate Satellite Accumulation Area	There are two satellite accumulation areas associated with the Wet Benlate process. The outdoor unit (SWMU 51) consists of a single 55-gallon drum located on a steel grate which is on a 3 by 5 ft. concrete pad surrounded by a 3-inch curb. This unit manages waste lubricating oil from the Benomyl process. The indoor unit (SWMU 52) also consists of a 55-gallon drum located on a concrete floor surrounded by a 3-inch curb. This unit manages waste Benomyl which is generated during line cleaning and pump maintenance.	1999 - Unit was a single 55-gal drum. No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	SWMU no longer exists. Area is covered in gravel. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – concrete pad with curbs No Further Action	No Further Action
52	Ag-Mature SBU Wet Benlate Satellite Accumulation Area	There are two satellite accumulation areas associated with the Wet Benlate process. The outdoor unit (SWMU 51) consists of a single 55-gallon drum located on a steel grate which is on a 3 by 5 ft. concrete pad surrounded by a 3-inch curb. This unit manages waste lubricating oil from the Benomyl process. The indoor unit (SWMU 52) also consists of a 55-gallon drum located on a concrete floor surrounded by a 3-inch curb. This unit manages waste Benomyl which is generated during line cleaning and pump maintenance.	1999 - Inside a building. Unit was a single 55-gal drum. No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	SWMU no longer exists. Area is covered in gravel. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – concrete floor with curbs and inside building with trench to WWTP No Further Action	No Further Action
53	Ag-Mature SBU Wet Benlate Trench and Sump System	This unit consists of a series of floor trenches and sumps which vary in size and construction. The trenches are covered with steel plate or gratings. The trenches are used to collect run-off and floor washing wastewater from the process areas and convey it to the sumps. All wastewater collected in the sumps is conveyed to the WWTP.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit receives quarterly inspections.	Appears functional, but not in use much. Have photo.	1. SWMU Not Previously Investigated 4. Active 5. No Closure Documentation 6. Below Ground 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – No Further Action

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54	Ag-Mature SBU Brine Treatment System-Former Raw Waste Storage Tank	The Ag-Mature Brine Treatment System consists of SWMUs 54-62. The system is used to treat waste brine generated during the manufacture of an agricultural fungicide.	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR.	Tank was removed. Only the pad remains. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation 6. Above Ground 7. No Releases 8. Secondary Containment May Not be Reliable – gravel pad and a gravel soil berm, some concrete wall 9. No Relevant Data 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS
55	Ag-Mature SBU Brine Treatment System-Waste Neutralization Tank	See SWMU 54	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR.	Tank was removed.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable secondary Containment - inside building with trenches No Further Action	No Further Action
56	Ag-Mature SBU Brine Treatment System-Former Carbon Adsorption Unit	See SWMU 54	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR.	Unit was removed and now is a gravel lot. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - inside building with concrete floor and trenches to WWTP No Further Action	No Further Action
57	Ag-Mature SBU Brine Treatment System-Former Transfer Vessel	See SWMU 54	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR.	Vessel removed and now is a gravel lot. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - inside building with concrete floor and trenches to WWTP No Further Action	No Further Action

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58	Ag-Mature SBU Brine Treatment System-Ammonia Stripper	See SWMU 54	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR.	Stripper in use for extracting volatiles from our F3455 and AECP processes. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, in use for extracting volatiles from our F3455 and AECP processes. 5. No Closure Documentation 6. Above Ground 7. No Release 8. Secondary Containment may Not be Reliable – unit sits on gravel and mixed concrete/asphalt and has concrete curbs, spills would go to soil 9. No Relevant Data 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS
59	Ag-Mature SBU Brine Treatment System-Ag-Mature Benlate Hazardous Waste Tank	See SWMU 54	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR.	Tank was removed and now is a gravel lot. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located. However, unit was closed under RCRA and was removed from permit with the renewal of the RCRA permit in 2003. No Further Action	No Further Action
60	Ag-Mature SBU Brine Treatment System-Current Benlate Raw Waste Brine Storage Tank	See SWMU 54	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR.	Tank is in use, but for a different purpose. Tank is in use by F3455 (Hexazinone). Have photo.	1. SWMU Not Previously Investigated 4. Inactive, but in use by F3455 (Hexazinone) and closure documentation will not be required when closed. 5. No Closure Documentation Required 6. Above Ground 7. No releases 8. Reliable secondary containment – concrete pad with curbs. No Further Action	No Further Action
61	Ag-Mature SBU Brine Treatment System-Former Treated Brine Storage Tank	See SWMU 54	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR.	Tank was dismantled. Area now used for trailers and tents. Have Photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located. However, unit was closed under RCRA and was removed from permit with the renewal of the RCRA permit in 2003. No Further Action	No Further Action
62	Ag-Mature SBU Brine Treatment System-Former Ammonia Tails Storage Tank	See SWMU 54	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR.	Tank was removed and now is a gravel lot. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment (concrete wall and sump) No Further Action	No Further Action

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63	Former Ag-Mature SBU Container Storage Area GG	This unit is a 120 by 20 ft. asphalt pad which was used to store drums of spent carbon generated during change-outs of the former carbon adsorption unit (SWMU 56). This RCRA regulated unit was certified closed in 1987.	1999 - No releases at this SWMU are known or suspected. Run-off from this unit flowed to a trench and sump collection system.	Area is now concrete pads and asphalt. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - trench and sump No Further Action	No Further Action
64	Former MDA Tar Storage Tank	This unit was a vertical, flat bottom, 10,500-gallon capacity carbon steel tank. The tank was 10 ft. in diameter, 17 ft. tall and was located on a concrete pad. MDA Building 150 The unit was used to accumulate methylene dianiline tar from the MDA process. The tank will be dismantled in 1999.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Closure information is on file at the plant.	Tank is gone. Area is now asphalt and gravel with a shed. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation 6. Above Ground 7. No Releases 8. Secondary Containment May Not be Reliable - concrete berm and trench system has some cracks 9. Relevant Data Exist (downgradient samples HP-70, MDA-HP-4, MW-70-SO, T and D metal exceedances, several other exceedances) 10. Release Not Delineated Investigation to be Proposed	I Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS
65	Former MDA Unloading/Loading Area	This unit is a sealed concrete pad with dimensions of 8 by 100 ft. The pad has a 3-inch high concrete berm along the east side. The pad is sloped to the west so that run-off is directed to SWMU 67. The unit was used for loading a tank wagon with waste MDA tar. The tank will be dismantled in 1999.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Closure information is on file at the plant.	Loading area is gone. Area is now asphalt and gravel with a shed. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - concrete berm, spills would flow to a trench and sump system No Further Action	No Further Action
66	Former MDA Tank Wagon Unloading Vent Scrubber	The unit is a 200-gallon carbon steel tank which is 3 ft. in diameter, 4 ft. tall and is supported above concrete on steel legs. The unit is used during loading/unloading of a tank wagon at the former MDA Unloading area (SWMU 65). A vent on the tank wagon would be hooked up to the unit. Vapors from the wagon would be removed by water in the scrubber. The unit was last used in 1988 prior to shut down of the MDA process. The tank will be dismantled in 1999.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Closure information is on file at the plant.	Scrubber was removed. Area is now asphalt and gravel with a shed. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - concrete berm and trench system No Further Action	No Further Action

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
67	Former MDA Trench and Sump System	The unit is a series of acid brick lined concrete trenches and sump. The trenches are 18 inches wide and 6 - 12 inches deep. The trenches all drain to a 6 ft. wide, 10 ft. long, and 15 ft. deep sump. The unit was used to collect process wastewater and run-off from the MDA process area. The unit was last used in 1988 prior to the shutdown of the MDA process.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Information on partial closure is on file.	Trench and sump system were removed. Area is now asphalt and gravel with a shed. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation 6. Below Ground 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS
68	Former MDA Brine Filtration Units	The two steps associated with the MDA waste brine are the primary filtration unit and the final filtration unit. The primary unit consists of two carbon steel tanks with a capacity of 490-gallons, and a third carbon steel tank with the capacity of 8,000-gallons. The tanks are mounted on steel legs above a concrete pad. The final filtration unit consists of two 49-gallon, carbon steel tanks mounted on steel legs above a concrete containment dike. Both units have not been used since 1984. The tank will be dismantled in 1999.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had good secondary containment. Dismantlement information is on file.	Filtration units were removed. Area is now asphalt and gravel with a shed. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - concrete pad and containment dike No Further Action	No Further Action
69	Former MDA Methanol Storage Tank	This unit was a 1,100-gallon carbon steel tank which was 54-inches in diameter and tall. The tank was used to accumulate waste methanol which was stripped from the MDA process. The unit was taken out of service in April 12, 1986. The unit was removed in July 1986 and sold for scrap.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Soil samples collected during removal of the tank indicated that a release had not occurred from this unit.	Tank was removed. Area is now asphalt and gravel with a shed. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. No Secondary Containment 9. Relevant Data Available - sampling during tank removal showed no release No Further Action	No Further Action
71	Former MDA No. 6 Aniline Tank	This unit is a 18,000-gallon, flat bottom, vertical, carbon steel tank. The unit is 12 ft. in diameter and is 20.75 fl. tall. The tank is located within a concrete block containment dike with a concrete floor. The tank was used as a standby tank to accumulate waste brine from the MDA process. The tank is empty and out of service.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had good secondary containment. Dismantlement information is on file.	Tank was dismantled, but a new process is on most of the area. A small gravel area by the railroad tracks is still accessible for sampling if needed. Have photos.	1. SWMU Not Previously Investigated 4. Inactive and dismantled 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - concrete block containment with a concrete floor No Further Action	No Further Action

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
72	Former MDA Deep Well Storage Tank	This unit is a 110,000-gallon, stainless steel tank. The unit is 25 ft. in diameter and 30 ft. tall. The tank is above ground on a concrete pad, surrounded by gravel, with no secondary containment. This unit was used to store adipic acid waste and later to accumulate waste brine from the MDA process. The unit is no longer in service, but is still in place	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has no secondary containment.	Tank was removed. Concrete pad now has a shed on it. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation 6. Above Ground 7. No Releases 8. No Secondary Containment 9. No Relevant Data 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS
73	Former PACM Heel Tank No. 1	There are four identical carbon steel, closed-top, 17,000-gallon units (SWMUs 73-76) which are used to accumulate waste from the PACM process. These units are each 9 ft. in diameter and 36 ft. tall. The tanks are mounted on steel legs on a small concrete foundation which is surrounded by gravel. The units ceased operation in 1988 and were cleaned out. The units were dismantled in 1998.	1999 - There is only one known release from these units. In 1983, 1,000 lb. of wastes were released to the soil from SWMU 74. The spilled waste solidified immediately and was shoveled into drums and disposed of off-site. There was no secondary containment for these units. Closure information is on file.	Tanks were removed and the area is now being used for scaffold equipment storage. Area is covered with gravel lots and asphalt pads. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation 6. Above Ground 7. One Release Occurred and No Secondary Containment - concrete pad sloped towards trench on eastern side, but could drain to east into gravel 9. No Relevant Data 11. Safe Investigation is possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV). Investigated during Phase IV – No Further Action
74	Former PACM Heel Tank No. 2	See SWMU 73	1999 - See SWMU 73.	See SWMU 73.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation 6. Above Ground 7. One Release Occurred and No Secondary Containment - concrete pad sloped towards trench on eastern side, but could drain to east into gravel 9. No Relevant Data 11. Safe Investigation is possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – No Further Action
75	Former PACM Waste Tank No. 1	See SWMU 73	1999 - See SWMU 73.	See SWMU 73.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation 6. Above Ground 7. One Release Occurred and No Secondary Containment - concrete pad sloped towards trench on eastern side, but could drain to east into gravel 9. No Relevant Data 11. Safe Investigation is possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – No Further Action

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Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
76	Former PACM Waste Tank No. 2	See SWMU 73	1999 - See SWMU 73.	See SWMU 73.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation 6. Above Ground 7. One Release Occurred and No Secondary Containment - concrete pad sloped towards trench on eastern side, but could drain to east into gravel 9. No Relevant Data 11. Safe Investigation is possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – No Further Action
77	Former MDA/PACM Hazardous Waste Tank	This unit is a 250-gallon, horizontal, carbon steel tank. The tank is mounted on steel cradles just above a gravel pad. The tank was used to absorb ammonia from the ammonia chiller waste. The unit was closed in 1989.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had no secondary containment. Soil samples collected during closure indicated that no release had occurred from this unit.	Tank was removed.	1. SWMU Not Previously Investigated 4. Inactive 5. Closure Documentation Located No Further Action	No Further Action
78	Former MDA/PACM Container Storage Area Q	This unit was a 69 ft. long by 37 ft. wide asphalt pad capable of storing 550 55-gallon drums. There were no dikes or run-off controls associated with the unit. Most of the asphalt in the unit is still in place, but some was removed during RCRA closure. The unit was certified closed in September 1989.	1999 - Minor releases to soil were discovered during closure of the unit. A small amount of contaminated soil was removed from a 10 ft. area during RCRA closure. Confirmatory soil sampling indicated that all of the contaminated soil was removed.	All buildings are gone, pads are gone. Area is covered with gravel lots and asphalt pads. Now has a WWTP hold-up tank in this location. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, but active WWTP tank is in the location 5. Closure Documentation Located No Further Action	No Further Action
79	Former PACM Unloading/ Loading Area	This unit is a 15 ft. wide by 30-ft. long concrete pad which was used for loading Tank Wagon (SWMU 185) with PACM waste. The pad does not have a dike or curb. The unit was last used in 1988, but is still in place.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had no secondary containment.	Area is now being used for scaffold equipment storage. Area is covered with gravel lots and asphalt pads. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and active WWTP tank is in the location 5. No Closure Documentation 6. Above Ground 7. No Releases 8. No Secondary Containment 9. No Relevant Data 11. Safe Investigation is possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
80	PACM Area Trench and Sump System	This unit was consisted of a series of concrete trenches and a concrete sump. The trenches were 18-inches wide and 6-12-inches deep. The sump was 5 ft. wide, 8 ft. long, and of unknown depth. The unit was used to collect process wastewater and run-off from the process area. The unit was closed and capped in 1998.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR.	Units were removed and the area is now being used for scaffold equipment storage. Area is covered with gravel lots and asphalt pads. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation 6. Below Ground 11. Safe Investigation is possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – No Further Action
81	Former C&P East DMS Area Tank (ID No. 10)	The unit is a vertical, cylindrical, above ground covered tank that was used as a hold-up tank for high boiling impurities. The tank is 6 ft. high, 8 ft. in diameter, and holds 2,965-gallons. The tank is supported by four steel legs located on a reinforced concrete foundation. The tank was closed under an approved closure plan in early 1984. Currently, the tank is used for 90-day storage.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had good secondary containment. Unit receives quarterly inspection. Soil samples collected during closure indicated that a release from this unit had not occurred.	Tank is in use, but for a different purpose. Now used for 90 day waste storage from DMS Kettle. Permitted tank. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, but now used for 90 day waste storage from DMS Kettle and closure documentation will be required when closed. 5. No Closure Documentation Located for original purpose 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – concrete containment system, tank has high-level alarms and spills would go to sump to WWTP No Further Action	No Further Action
82	C&P East DMF Waste Tank (ID No. 47)	This 10,000-gallon unit a horizontal, cylindrical, above ground, covered tank receives DMF shot or still heel waste. The tank is 17-ft. long and has a diameter of 10 ft. The tank is supported by two concrete saddles that rest on a concrete foundation. This RCRA regulated unit is still active.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had good secondary containment.	Closure documentation was located for this SWMU.	1. SWMU Not Previously Investigated 4. Inactive and Closed 5. Closure Documentation Located No Further Action	No Further Action
83	C&P East Drum Plant Container Storage Area T	This unit is a 16.5 ft. by 16.5 ft. asphalt base and curbing used for drum storage of acetic acid waste oil and contaminated gravel. The unit slopes to the southwest to a sump. This unit was closed in 1991.	1999 - No releases at this SWMU are known or suspected, however, during the VSI, standing water had a slight oil sheen in the southwest corner.	Drums and pad gone. Trailers parked in this area now. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and closed 5. Closure Documentation Located No Further Action	No Further Action
84	Former C&P East Hazardous Waste Tank (ID No. 48)	These units (SWMUs 84 and 85) were formerly used to store hazardous waste, but were closed due to a change in the DMF process. Closure of these RCRA regulated units occurred in September 1989.	1999 - Soil sampling conducted at the units during closure detected DMF at two locations. The concentrations were determined to not cause a health risk by WVDNR and closure was approved.	In use for different purpose. Now used for storage on monomethyl formamide process material. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and closed, now used for storage on monomethyl formamide process material and closure documentation will not be required when closed. 5. Closure Documentation Located No Further Action	No Further Action

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Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
85	Former C&P East Hazardous Waste Tank (ID No. 49)	See SWMU 84	1999 - See SWMU 84.	In use for different purpose. Now used for storage on monomethyl formamide process material. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and closed, now used for storage on monomethyl formamide process material and closure documentation will not be required when closed. 5. Closure Documentation Located No Further Action	No Further Action
86	Former C&P East Wastewater Stripper Tank	This unit is a vertical, 5,000-gallon carbon steel which stands on four steel leg supports about 3-feet above a concrete pad within a soil bottom containment dike. The unit ceased storing organic waste for offsite disposal in 1983.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had good secondary containment.	Tank still in use, labeled as “4 Tank or 18 Tank. Have photo.	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment (soil bottom noted in RFA is not real soils bottom, just sediment filling in bottom of containment basin.) No Further Action	No Further Action
87	Methacrylate Oil Storage Tank (ID No. 76)	These units (SWMUs 87 and 88) are cylindrical, above ground, horizontal tanks each with a 17,500-gallon capacity. Each tank rests on four concrete cradles on concrete pads within a concrete containment system. The tanks were originally used to store fuel oil and later stored an alternate-liquid fuel. This RCRA-regulated unit was closed in January 1992.	1999 - A release of approximately 1 gallon of ALF material was contained in the containment system and pumped back into the tanks. Unit had good secondary containment.	Tank was removed in 2011. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, closed and removed 5. No Closure Documentation Located 6. Above Ground 7. Release Recorded 9. Relevant Data – release occurred within containment system and was pumped back into the tank, reliable secondary containment system (concrete containment system) No Further Action	No Further Action
88	Methacrylate Oil Storage Tank (ID No. 77)	See SWMU 87	1999 - See SWMU 87.	Tank was removed in 2011. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, closed and removed 5. No Closure Documentation Located 6. Above Ground 7. Release Recorded 9. Relevant Data – release occurred within containment system and was pumped back into the tank, reliable secondary containment system (concrete containment system) No Further Action	No Further Action

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
89	Former Methacrylate Hazardous Waste Tank (ID No. 51)	This unit is a RCRA regulated, vertical, cylindrical, above ground, covered tank with dimensions of 30-ft. high, 17-ft. in diameter, and has a capacity of 50,000 gallons. The tank is located on a concrete pad within a containment system comprised of concrete walls with a soil base. The tank was used to manage wastes from the Methacrylate process. The tank was last used in 1988 and was certified closed in December 1990.	1999 - Soil samples were collected during closure and analyzed for methanol and methacrylates. No levels of contamination were detected.	In use for a different purpose. Now used as a storage vessel for Lucite Foreshots (finished product of methyl methacrylate and methanol). Have photo.	1. SWMU Not Previously Investigated 4. Inactive, closed, but now in use for Lucite Foreshots (finished product) and closure documentation will not be required when closed. 5. No Closure Documentation Located (for original use) 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - limestone block walls and a gravel pad that would drain to a sump and the WWTP, tank inspected daily. No Further Action	No Further Action
90	Former Methacrylate Distillation Column (ID No. 52)	This unit is a RCRA-regulated, vertical, cylindrical, above ground, covered tank that is 49-ft. high, 2.5 ft. in diameter, and has a capacity of 2,000-gallons. This unit managed wastes from the Methacrylate process. This unit was certified closed in December 1990.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had good secondary containment. Soil samples collected during closure indicated that No releases occurred from this unit.	Not removed, but closed, not in use. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, closed, but not removed 5. Closure Documentation Located No Further Action	No Further Action
91	Former Methacrylate Condensate Still Tank (ID No. 68)	This unit is a RCRA-regulated, two-chambered, 9,000-gallon tank which received a D001 waste that that was later sent offsite for incineration. The unit was last used in 1983 and was certified closed in July 1987.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had good secondary containment.	Not removed but not in use. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, closed, but not removed 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment No Further Action	No Further Action
92	Methacrylate Container Storage Area EE	This unit is a 22 ft. by 50-ft. concrete and gravel area which is surrounded by a 5.5-inch high curb on three sides. Drums of methacrylate wastes were stored at this unit. This unit was closed in 1991.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR.	Area is gravel/fill. Very “trashy”, Used as a laydown area, currently not in use. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, but in use 5. Closure Documentation Located No Further Action	No Further Action
93	SAR Furnace	This RCRA-regulated unit consists of a natural gas and waste fuel-fired combustion furnace. The furnace is used to burn and decompose methacrylate, spent acid, and polymers for the recovery of sulfuric acid.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR.	Unit is being dismantled. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and being dismantled 5. Closure Documentation Located No Further Action	No Further Action

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
94	SAR Weak Acid Sump Tank	This unit consists of a flat bottom Derakane 411-45 fiberglass, reinforced, resin tank with a 1,500-gallon capacity. The tank is 8.5-ft. tall and 6 ft. in diameter. The unit is used to accumulate a weak acid solution from the bottom of the SAR scrubber and waste waters from area sumps.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment. Unit receives quarterly inspections.	Tank is not in use, but is ready for dismantlement. Have photo.	1. SWMU Not Previously Investigated 4. Inactive 5. Closure Documentation Located No Further Action	No Further Action
95	Methacrylate Loading/Unloading Area	This unit includes the Higher Methacrylate (HMA) Unloading Area and the SAR Unloading Area (SWMUs 95 and 96). The unit is a 50 ft. by 10-ft. concrete pad with 3-inch concrete curbs. The unit slopes to the south to a drain.	1999 - No releases at these SWMUs are known or suspected. No evidence of a release observed during VSI or PR. Units have good secondary containment.	Pads have been removed and area is not in use. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment (concrete pad with curbs and drain) No Further Action	No Further Action
96	Methacrylate Loading/Unloading Area	See SWMU 95 Current Conditions Report SWMU Description (1999).	1999 - See SWMU 95.	Area is not gravel and concrete and is not in use. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment (concrete pad with curbs and drain) No Further Action	No Further Action
97	Methacrylate Trench and Sump System	This unit is a system of trenches and sumps which collects waste water from the Methacrylate Area. The trenches vary in size and depth. The trenches discharge to sumps which discharge to the WWTP. The trenches and sumps are constructed of concrete and lined with acid brick.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR.	Trench and sump still in use. Have photo.	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 11. Safe Investigation is not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred Investigated during Phase IV as part of the SLM Investigation – Carried forward in CMS
98	SLM Mother Liquor Disengaging Tank	This unit is a steel tank that is 10-ft. tall and 5-ft. in diameter and rests on steel legs about 3 ft. above the acid brick floor. The tank received filtrate from the process centrifuge until 1987. Currently, this unit is in service for another process area.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Run-off from this unit flowed to a trench and sump collection system.	Tank is not in use. Inside building. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and not in use 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - trench and sump system inside building No Further Action	No Further Action

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Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
99	SLM Mother Liquor Tank (ID No. 60)	This unit is a horizontal, cylindrical, above ground, covered tank that was used to collect herbicide waste that was spilled within the building or from production tank wash-outs. The tank is 10-ft. high, is 6 ft. in diameter, and has a capacity of 2,750-gallons. The tank is supported by concrete cradles on a concrete pad. Currently, this tank is in service for another process area.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had good secondary containment.	Not in use, but still exists. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and not in use 5. Closure Documentation Located No Further Action	No Further Action
100	SLM Flammable Waste Tank (ID No. 63)	This unit is a horizontal, above ground, covered tank used to receive any organic wastes present in the SLM tank (SWMU 103), the receiver, or the flare header drains. The tank is 6 ft. in diameter, 9 ft. high, and has a maximum capacity of 2,150-gallons. The tank rests on two concrete cradles underlain by a concrete containment system.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had good secondary containment.	Still in the permit. Not in use and being prepared for closure. Have photo.	1. SWMU Not Previously Investigated 4. Inactive - Being prepared for closure 5. Closure Documentation will be submitted No Further Action	No Further Action
101	SLM Extractor Tank	This unit is a vertical, steel tank that receives waste from the SLM Flammable Waste Tank (SWMU 98). The tank is located within a concrete containment system. The unit is currently used for 90-Day storage.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had good secondary containment.	Tank is inactive and not in use. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and not in use 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment (concrete containment system) No Further Action	No Further Action
102	SLM J Tank (ID No. 75)	This unit is a horizontal, cylindrical, above ground, covered tank. The tank is 13.5-ft. high, 10-ft. in diameter, and has an 8,000-gallon capacity. The tank rests on two concrete cradles and is located on a concrete pad.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had good secondary containment.	Inactive and not in use. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and not in use 5. Closure Documentation Located No Further Action	No Further Action
103	SLM SP Tank (ID No. 59)	The unit is a vertical, cylindrical, above ground, covered tank that is used to contain spill material from the SLM Building. The tank is 13-ft. high, 7 ft. in diameter, and has a 2,850-gallon capacity. The tank is supported by four steel legs which rest on a concrete pad.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had good secondary containment.	Inactive and not in use. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and not in use 5. Closure Documentation Located No Further Action	No Further Action

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Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
104	SLM Caustic Surge Tank (ID No. 61)	The unit is a vertical, cylindrical, above ground, covered tank that is used as a surge tank for the caustic scrubber associated with process equipment. The tank is 8 ft. high, 6 ft. in diameter, and has a 2,000-gallon capacity.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Run-off from this unit flowed to a trench and sump collection system.	Inside building and in use. Have photo.	1. SWMU Not Previously Investigated 4. Active 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - trench and sump system inside building No Further Action	No Further Action
105	SLM Indoor Trench and Sump System	A series of trenches and sumps used to collect any spillage and wash-down waters. The trenches are 12-inches wide, 12-inches deep and are covered with steel grates and boiler plates. The sumps are about 2 ft. by 3 ft. and 3 ft. deep and are lined with acid brick.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit receives quarterly inspections.	Trench and sump still exists and is used. Inside building and in use. Have photo.	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 11. Safe Investigation is not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred Investigated during Phase IV as part of the SLM Investigation – Carried forward in CMS
106	SLM Outdoor Trench and Sump System	This unit is a series of trenches and sumps used to collect any spillage and run-off from the SLM tanks and wash pad. The trenches vary in width and depth between 6-1 8-inches and are covered with steel grates and boiler plates.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit receives quarterly inspections.	Trench and sump still exists and is used. Have photo.	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 11. Safe Investigation is not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred Investigated during Phase IV as part of the SLM Investigation – Carried forward in CMS
107	SLM Drum Wash Pad	This unit is a 10-ft. by 200-ft. concrete pad with a 6-inch concrete curb. Fiberboard drums are brought to this area for rinsing prior to disposal.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	Pad is still in use. Have photo.	1. SWMU Not Previously Investigated 4. Active 5. No Closure Documentation 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – concrete pad and curbs that drains to WWTP No Further Action	No Further Action
108	SLM Unloading/Loading Area	This unit is a 10-ft. by 80 ft. concrete pad with a trench in the center to collect run-off. The pad is used for loading tankers with wastes from the SLM J Tank (SWMU 102).	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR.	Area is active and in use. Have photo.	1. SWMU Not Previously Investigated 4. Active 5. No Closure Documentation 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – concrete pad with trench No Further Action	No Further Action

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
109	SLM Satellite Accumulation Areas	This unit is a 5 ft. by 1-ft. area of a larger concrete pad. The unit manages a 55-gallon container which stores sparkler filter solids from the SLM Extractor Tank.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR.	Not located in 2012.	1. SWMU Not Previously Investigated 4. Inactive 5. No Closure Documentation 6. Above Ground 7. No Releases 8. Secondary Containment may Not be Reliable – concrete base but no curbs 9. Relevant Data - many exceedances in groundwater nearby Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV as part of the SLM Investigation – Carried forward in CMS
110	Former SLM Container Storage Area X	This unit is a 20 ft. square acid brick base storage area. Drummed hazardous waste generated in the SLM area was brought to this unit prior to off-site disposal. The RCRA-regulated unit has been closed per an approved closure plan in 1990.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Rinsate from cleaning the unit was analyzed during closure and no analytes were detected.	Not observed during 2012	1. SWMU Not Previously Investigated 4. Inactive and closed 5. Closure Documentation Located No Further Action	No Further Action
111	Former SLM Container Storage Area Y	This unit was a 2- ft. by 40-ft., asphalt base container storage area. The area has been excavated and a concrete base placed for the Phosgene plant which now occupies this area. This RCRA-regulated unit was closed per an approved closure plan in July 1987.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Rinsate from cleaning the unit was analyzed during closure indicated that no detectable levels of organic analytes remained on the pad.	Phosgene unit torn down in 2011, but the concrete base for phosgene plant still exists. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and closed 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – asphalt base and asphalt curbs No Further Action	No Further Action
112	C&P West Glycol Hazardous Storage Tank No. 10 (ID No. 55)	These units (SWMUs 112 and 113) were two identical, vertical, cylindrical, above ground, covered tanks that were used to store ignitable waste from the glycol process. Each tank is about 27 ft. high, 12-ft. in diameter, and has a capacity of 19,400-gallons. These RCRA-regulated tanks were closed in 1991.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Units had good secondary containment.	Tank was removed and area is now a gravel lot. No photo.	1. SWMU Not Previously Investigated 4. Inactive and closed 5. Closure Documentation Located No Further Action	No Further Action
113	C&P West Glycol Hazardous Storage Tank No. 18 (ID No. 56)	See SWMU 112	1999 - See SWMU 112.	Tank was removed and area is now a gravel lot. No photo.	1. SWMU Not Previously Investigated 4. Inactive and closed 5. Closure Documentation Located No Further Action	No Further Action

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Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
114	C&P West Loading Pad	This unit is a 15-ft. by 30 ft. asphalt pad that has a 2-inch asphalt berm. Tankwagons (SWMU 185) are loaded with ethylene glycol overhead and bottoms from the C&P West Hazardous Waste Storage Tanks (SWMUs 112 and 113).	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Units had good secondary containment.	Asphalt pad was removed and is now a gravel-covered cement pad. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – asphalt pad and berms and would flow to trench and sump No Further Action	No Further Action
115	C&P West Trench and Sump System	This unit is a series of trenches and sumps which vary in size and construction materials. The trenches are covered with steel grates and/or boiler plates. This unit manages surface run-off.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit receives quarterly inspections.	Trench and sump updated extensively and still in use. Have photo.	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – No Further Action
116	Former C&P West Stripper Overhead Tank (ID No. 54A)	This unit is a horizontal, cylindrical, above ground, covered tank that was used as a surge tank prior to the waste entering the WWTP. The tank is 36-ft. long, 9-ft. in diameter and has a 17,750-gallon capacity. The tank rests on steel supports about 20 ft. above ground level. The RCRA-regulated unit is no longer operational and was closed under an approved closure plan in October 1990.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. No sampling was conducted during closure.	Tank was removed and area is now a gravel lot. No photo.	1. SWMU Not Previously Investigated 4. Inactive and closed 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – inspected daily and high-level alarms, any releases would drain to trench and sump system No Further Action	No Further Action
117	Former C&P West Container Storage Area V	This unit is a 30 ft. by 60-ft. asphalt pad with asphalt curbing on two sides. Drums of wastes generated from various operations were stored at this unit. This RCRA regulated unit was closed under an approved closure plan in the summer of 1990.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR.	Area is now a gravel lot with several old foundations. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located. However, unit was closed under RCRA and was removed from permit with the renewal of the RCRA permit in 2003. No Further Action	No Further Action
118	Former C&P West Hazardous Waste Tank (ID No. 54B)	These units (SWMUs 118 and 119) are two 18,000 gallon tanks which were used to concentrate hydroxyacetic acid. The tanks are now used in the HAA process. Certification of closure for these RCRA regulated units was submitted in October 1987.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR.	Tank was removed. No photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located. However, unit was closed under RCRA and was removed from permit with the renewal of the RCRA permit in 2003. No Further Action	No Further Action

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Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
119	Former C&P West Hazardous Waste Tank (ID No. 54C)	See SWMU 118.	1999 - See SWMU 118.	Tank was removed. No photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located. However, unit was closed under RCRA and was removed from permit with the renewal of the RCRA permit in 2003. No Further Action	No Further Action
120	HCO Oil/Water Separator	This unit was a square steel tank that is 3 ft. by 3 ft. and 4-ft. tall which rested on a concrete floor. The unit received oily wastewater from the two sub-floor HCO Waste Lubricating Oil Collection Sumps (SWMU 122).	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had good secondary containment.	Tank was removed and area is now a gravel lot. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – inside building with concrete floor and berm No Further Action	No Further Action
121	HCO Oil Storage Tank	This unit was a 5,390-gallon, flat bottom, carbon steel tank which rested on a concrete pad. The tank was 7.5 ft. in diameter, and 15.5-ft. tall with a closed top. The unit managed waste oil from the HCO Oil/Water Separator.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit had good secondary containment.	Area is a small gravel lot with a pipe rack and small metal building on it. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation 6. Above Ground 7. No Releases 8. Secondary Containment may not be Reliable – asphalt pavement with no curbs and high-level alarm 9. No relevant Data 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS
122	HCO Waste Lubricating Oil Collection Sumps	This unit consisted of collection sumps which received waste oil and water from the compressors. The sump tanks were constructed of steel and have a 400-gallon capacity.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR.	Building dismantled and SWMU no longer exists and area is covered by gravel. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation 6. Below Ground 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – No Further Action
123	Former HCO Hazardous Copper Waste Storage Tank (ID No. 6)	This unit was a 24,500-gallon tank which rested on a concrete pad within a diked area. The tank was used to store a corrosive process waste called copper liquor. The tank and containment system have been removed and the area was covered with gravel. The unit was closed under an approved closure plan in 1984.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	SWMU no longer exists and area is covered by gravel. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and closed 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – located on a concrete pad within a diked area No Further Action	No Further Action

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124	Former HCO Hazardous Carbon Waste Storage Tank (ID No. 6)	This unit consisted of two 1,500-gallon tanks which rested on a concrete pad. These tanks managed spent Building-activated carbon catalyst. The tanks and containment system have been removed and is now covered with gravel. The tanks were closed under an approved closure plan in 1984.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	SWMU no longer exists and area is covered by gravel. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, closed and removed 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – concrete containment system No Further Action	No Further Action
125	Former HCO Hazardous Methanol Waste Storage Tank (ID No. 8)	This unit was a 550-gallon steel tank which was used to store waste methanol from the production of hydrogen and carbon monoxide. The tank and containment system have been removed and the area is now gravel- covered. The unit was closed under an approved closure plan in 1984.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	Tank was removed and area is covered by gravel. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located. However, unit was closed under RCRA and was removed from permit with the renewal of the RCRA permit in 2003. No Further Action	No Further Action
126	Former HCO Hazardous Container Storage Area I	This unit was a 40 ft. by 15-ft. asphalt pad with soil berms. The unit stored 14,300-gallons of containerized wastes. The unit was closed under an approved closure plan in 1990.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	Area no longer in use and is covered by gravel. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Located. However, unit was closed under RCRA and was removed from permit with the renewal of the RCRA permit in 2003. No Further Action	No Further Action
127	WWTP-Main Pumping Station	These units (SWMUs 127 to 144) treat both process and sanitary liquid waste generated at the plant. Units 128-144 are located on concrete foundations which not only provide structural support, but in some areas also provide some containment. Units were designed to prevent leakage. During replacement activities, concrete was deemed to be in good condition at these units.	1999 - No releases at these SWMUs are known or suspected. Prior to 1974, the area was covered with gravel. After 1974, the area was paved with asphalt. Several other layers have been added since then. During the VSI, the top layer of asphalt was noted to be deteriorated in several areas. Units have good secondary containment.	SWMU is an active part of the Belle WWTP. Have photo.	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action
128	WWTP-Isolation Tank No. 1	See SWMU 127	1999 - See SWMU 127.	Tank still active. Have photo. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action

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129	WWTP-Isolation Tank No. 2	See SWMU 127	1999 - See SWMU 127.	Tank still active. Have photo. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action
130	WWTP-Isolation Tank No. 3	See SWMU 127	1999 - See SWMU 127.	Tank still active. Have photo. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action
131	WWTP-Equalization Tank	See SWMU 127	1999 - See SWMU 127.	Tank was removed and replaced with new tank in 2011. Have photo. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action
132	WWTP-Cooling Tower and Sump	See SWMU 127	1999 - See SWMU 127.	Tank was removed and WAS Building is now in the same location. Have photo. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action
133	WWTP-Mix Box	See SWMU 127	1999 - See SWMU 127.	**Box still active.** Have photo. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action

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134	WWTP-Aerator No. 1	See SWMU 127	1999 - See SWMU 127.	Aerator still active. Have photo. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action
135	WWTP-Aerator No. 2	See SWMU 127	1999 - See SWMU 127.	Aerator still active. Have photo. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action
136	WWTP-Aerator No. 3	See SWMU 127	1999 - See SWMU 127.	Empty for maintenance when evaluated. Have photo. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action
137	WWTP-Aerator No. 4	See SWMU 127	1999 - See SWMU 127.	Aerator still active. Have photo. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action
138	WWTP-Aerator No. 5	See SWMU 127	1999 - See SWMU 127.	Aerator still active. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action

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139	WWTP-Clarifier No. 1	See SWMU 127	1999 - See SWMU 127.	Still active. Rebuilt in 2009-2010. Have photo. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action
140	WWTP-Clarifier No. 2	See SWMU 127	1999 - See SWMU 127.	Still active. Have photo. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action
141	WWTP-Clarifier No. 3	See SWMU 127	1999 - See SWMU 127.	See SWMU 127 SWMUs 141 and 142 were replaced by a single clarifier. Have photo.	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action
142	WWTP-Clarifier No. 4	See SWMU 127	1999 - See SWMU 127.	See SWMU 127 SWMUs 141 and 142 were replaced by a single clarifier. Have photo.	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action
143	WWTP-Clarifier No. 5	See SWMU 127	1999 - See SWMU 127.	Still active. Have photo. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action

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144	WWTP-Sludge Storage Tank	See SWMU 127	1999 - See SWMU 127.	Tank still active. Have photo. See SWMU 127	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - some secondary containment, but designed to prevent leakage, and several layers of asphalt with trench and sump system. No Further Action	No Further Action
145	WCS Facility Sewer Lines	These units (SWMUs 145 to 161) consist of the Facility Sewer lines, a series of pumping stations, collection flumes, and ancillary pumps. The purpose of these units is to collect both sanitary and process waste waters and convey the wastes to the WP. Currently, there have been no observations of restricted flow in the underground lines. The system is all gravity flow.	1999 - Small infrequent overflows have occurred from the pumping stations due to equipment failure. Lines are replaced on an as-needed basis as lines fail. Releases have occurred from these units.	SWMUs 145-161 are in various states of use, some exist, some no longer exist and some have been updated.	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred – Carried forward in CMS
146	WCS Pumping Station	See SWMU 145	1999 - See SWMU 145.	Still in use. Have photo. See SWMU 145	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred – Carried forward in CMS
147	WCS Pumping Station (#2)	See SWMU 145	1999 - See SWMU 145.	Location on map corrected. In very congested location and in use. Have photo. See SWMU 145	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred Investigated during Phase IV – Carried forward in CMS

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148	WCS Pumping Station (#4)	See SWMU 145	1999 - See SWMU 145.	Not in use currently, but not closed and may be used. Have photo. See SWMU 145	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred Investigated during Phase IV as part of the SLM Investigation – Carried forward in CMS
149	WCS Pumping Station	See SWMU 145	1999 - See SWMU 145.	Still in use. Have photo. See SWMU 145	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred Investigated during Phase IV as part of the SLM Investigation – Carried forward in CMS
150	WCS #11 Pumping Station	See SWMU 145	1999 - See SWMU 145.	Pumping station is still in use and upgraded. Have photo. See SWMU 145. Mercury has been identified in drains and traps of the Control Lab which may have occurred during operations and waste practice at the Control Lab. Sediments within SWMU 150 may have been impacted by the release.	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation not Possible at this Time Investigation to be Proposed for the sediments within SWMU 150 based on knowledge of a release within the Control Lab. – not possible due to access issues during Phase IV so Investigation Deferred, but then downgradient groundwater sampled during Phase IV.	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS
151	WCS Pumping Station	See SWMU 145	1999 - See SWMU 145.	Unit is still in use. Have photo. See SWMU 145	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS

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152	WCS Pumping Station	See SWMU 145	1999 - See SWMU 145.	Still in use. Have photo. See SWMU 145	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred – Carried forward in CMS
153	WCS Pumping Station	See SWMU 145	1999 - See SWMU 145.	Unit is still in use. Location on map corrected. Have photo. See SWMU 145	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS
154	WCS Pumping Station	See SWMU 145	1999 - See SWMU 145.	In use, but deteriorated. Have photo. See SWMU 145	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred Investigated during Phase IV – Carried forward in CMS
155	WCS Pumping Station	See SWMU 145	1999 - See SWMU 145.	Unit is still in use. Have photo. See SWMU 145	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS
156	WCS Pumping Station	See SWMU 145	1999 - See SWMU 145. 2012 - In SSS area, lots of previous investigations and sampling resulting in installation and operation of current DPE system and additional sampling conducted under the Phase II ESA prior to leasing to Kureha.	Abandoned. Area is now under Kureha trailers. Have photo. See SWMU 145 Investigated with SWMUs 4, 8, 11, 14, and 184.	1. Previously Investigated - during the Belle Manufacturing Area Phase II Investigation (DuPont CRG, 2008) 2. No evidence of a release No Further Action	No Further Action

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
157	WCS Pumping Station	See SWMU 145	1999 - See SWMU 145.	Still in use. Have photo. See SWMU 145	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred – Carried forward in CMS
158	WCS Pumping Station	See SWMU 145	1999 - See SWMU 145.	Not in use, is covered by concrete and pavement. Have photo. See SWMU 145	1. SWMU Not Previously Investigated 4. Inactive 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation not Possible at this Time Investigation Deferred Until Unit is Inactive	Investigation Deferred Investigated during Phase – Carried forward in CMS
160	WCS - North Flume	See SWMU 145	1999 - See SWMU 145.	Flume in limited use via black 16 inch pipe. Have photo. See SWMU 145	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – No Further Action
161	WCS - South Flume	See SWMU 145	1999 - See SWMU 145.	Whole flume is in use. Have photo. See SWMU 145	1. SWMU Not Previously Investigated 4. Active 6. Below Ground 7. Known releases 9. No Relevant Data 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – No Further Action
174	Consolidated Waste Drum Storage Area	This unit is a metal building constructed to manage various containerized wastes (maximum of 23,760-gallons).	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	Area is still in use. Have photo.	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - open front building on concrete pad with curbs No Further Action	No Further Action

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
175	Former Container Storage Area O	This unit is a 20-ft. wide by 30 ft. long, concrete pad surrounded by a 6-inch concrete curb. This RCRA regulated unit was closed in June 1988.	1999 - No information on releases at this SWMU was available in the file material. Unit had good secondary containment.	In use, but for a different purpose. The pad without a roof was converted into SWMU 174, the Consolidated Waste Drum Storage Area. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, but converted into SWMU 174 See SWMU 174 No Further Action	No Further Action
176	Central Shop Container Storage Area F	This unit is a 10-ft. long, 4 ft. wide, and 4-inch thick concrete pad. The unit is fenced in by a 10-ft. cyclone- locking fence. This RCRA regulated unit was closed in 1991.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	Area is used as a sheltered smoking area. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, but used as a smoking shelter 5. No Closure Documentation required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - concrete pad with “catch pallets’, asphalt on three sides of unit and other side is an exterior building wall No Further Action	No Further Action
177	PCB Storage Area	This unit is a 15-ft. by 20-ft. and 20 ft. high corrugated metal building. The building has a concrete floor which slopes to the center to a sump. This unit manages oil contaminated with PCB and various drained equipment.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	Area is in use, but not used for PCB storage at this time. Now used for storage of spill response supplies. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, but now in use for storage of spill response supplies and closure documentation will not be required when closed. 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - concrete floor slopes to sump No Further Action	No Further Action
178	Former PCB Storage	This unit is a 20-fl. by 24-fl. area located on the first floor of a building at A-Plant. This unit managed oil contaminated with PCB and various drained equipment. This unit was dismantled in 1991.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	Area is now a long concrete pad and is used as a trailer parking area. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and in use as a trailer parking area 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - inside building on concrete floor with a blind sump No Further Action	No Further Action

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
179	Former Paint Shop Container Storage Area H	This unit is a 5 ft. by 10-ft., 110-gallon concrete pad. The unit managed acetone and paint thinner. This RCRA regulated unit was closed in July 1987.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	Area was in use, but for a different purpose, as a smoking area, but is now in use as a spent fire extinguisher storage area. Have photo.	1. SWMU Not Previously Investigated 4. Inactive, but used as a smoking area 5. No Closure Documentation Located 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – concrete base of the unit underlain by a steel box No Further Action	No Further Action
180	Auto Shop Steam Cleaning Pad	This unit is a curbed 30-fl. by 10-fl. concrete pad which was used for vehicle washing. This unit received wash water and minor amounts of oils and greases.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	Pad still in use. Have photo.	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment - concrete pad with curbs drains to WWTP No Further Action	No Further Action
181	Nonhazardous Waste Storage Area	These areas served to store nonhazardous wastes prior to disposal off-site.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	Not located in 2012	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – drummed wastes were on pallets and locations were indoors, outdoors locations were on asphalt or concrete No Further Action	No Further Action
183	Former Injection Well No. 2	The unit was used to dispose of aqueous wastes from the manufacture of nylon intermediates until 1971. From 1972 until 1980, the unit was used to dispose of MDA waste brine. This unit was a 5,400-ft. deep injection well with a final diameter of 8-518 inches. The well was plugged in November 1981 per WV State Requirements.	1999 - The unit was designed to discharge brine wastes to several permitted zones within the underlying aquifer. Leaks were discovered in the injection well casing in 1975 and in 1976. The amount of waste brine which entered unpermitted injection zones is not known.	Abandoned and closed. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and closed 5. Closure Documentation on steel plate on well cover No Further Action	No Further Action
184	Former Injection Well No. 3	This unit was used to dispose of MDA waste brine. This unit was a 5,147-ft. deep well with a final diameter of 9-518 inches. The well had two injection zones. The well was plugged in June 1985 per WV State Requirements.	1999 - The unit was designed to discharge brine wastes to several permitted zones. A leak was discovered in the injection well casing in 1984. Approximately 10 to 20 gallons per day leaked into unpermitted injection zones. There releases were determined to be within UIC program guidelines.	Abandoned and closed with closure documentation on cover. Have photo. Investigated with SWMUs 4, 8, 11, 14, and 156.	1. Previously Investigated - during the Belle Manufacturing Area Phase II Investigation (DuPont CRG, 2008) 2. No evidence of a release No Further Action	No Further Action

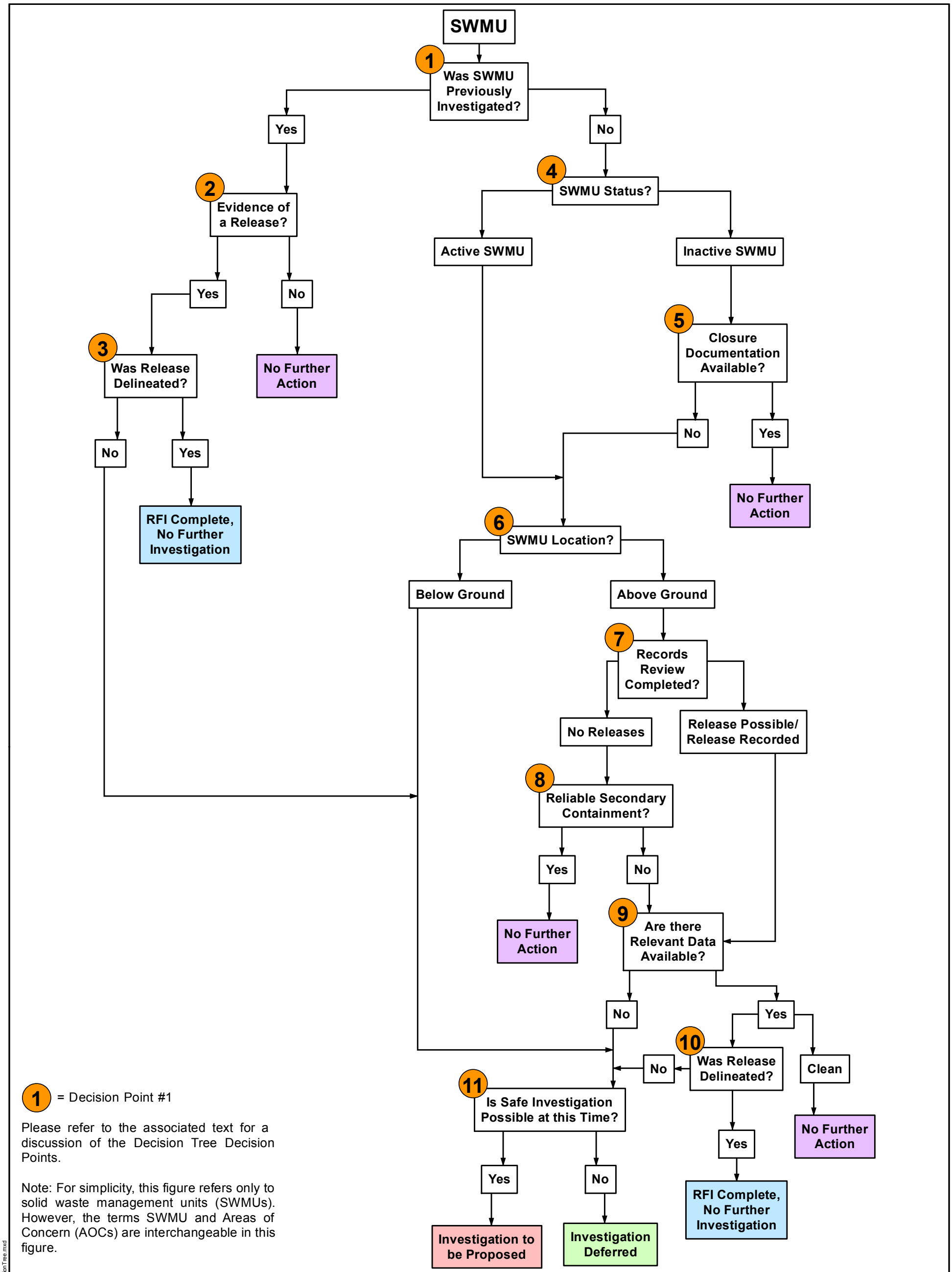
Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
185	Tank Wagons	These units are used to transport wastes from the process areas to the SAR Furnace (SWMU 93) or the Coal/Waste Fired Boilers (SWMUs 15-19).	1999 - Infrequent leaks/spills of minor amounts of material have occurred from the units. The spills were reportedly cleaned-up after each occurrence.	Not in use anymore.	Tank wagons used throughout the site. Tanks were generally loaded and unloaded on pads which had release controls. Technically infeasible to investigate so will rely on groundwater quality to identify associated issues. No Further Action	No Further Action
186	Asbestos Dumpsters	This unit consists of two steel trash dumpsters which are each 7-ft. wide x 15-ft. long x 4 ft. high. The units are open topped and are located on an asphalt or gravel pads. The asbestos materials are sealed in heavy plastic bags and placed in the dumpsters.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR.	Still active.	1. SWMU Not Previously Investigated 4. Active 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – asbestos materials are sealed in heavy plastic bags and are placed a steel trash dumpsters on either an asphalt or gravel pad No Further Action	No Further Action
187	F&G Sump Tank	The unit is a 210-gallon carbon steel tank which was used to collect waste water generated throughout the F&G Building. The unit is mounted horizontally and rests on steel legs within a below-grade poured concrete vault. Currently, this unit is used to collect rain water.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	Tank was removed and area is now paved and/or covered with concrete. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases 8. Reliable Secondary Containment – below-grade poured concrete vault No Further Action	No Further Action
188	F&G Wastewater Storage Tank	This unit is a vertical, 14,250-gallon, stainless steel tank which was used to collect and treat wastewater contaminated with sulfonylurea herbicides. The tank is mounted on steel legs within a poured concrete containment basin. Currently, this unit is used to collect rain water.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. Unit has good secondary containment.	Tank was removed and area was paved. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation Required 6. Above Ground 7. No Releases Reliable Secondary Containment - concrete containment basin No Further Action	No Further Action
189	Hexazinone Waste Brine Railcars	This unit consists of 10,000-gallon steel tankcars. The units are stored on the gravel railbed. The units are used to accumulate waste brine from the hexazinone intermediate process. Currently, only one tank car is used.	1999 - No releases at this SWMU are known or suspected. No evidence of a release observed during VSI or PR. New Spill containment.	This SWMU is still active and only one tank car is being used. Spill containment is small spill control tub. Have photo	1. SWMU Not Previously Investigated 4. Active 6. Above Ground 7. No Releases 8. Unreliable Secondary Containment – small spill control tub on train tracks 9. No Relevant Data 11. Safe Investigation is Possible at this Time Investigation to be proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – No Further Action

Table 1
Belle SWMUs Summary Information (Updated 09/14/2015)
Chemours Belle Plant, Belle, West Virginia

SWMU #	SWMU Name	SWMU Description [from Current Conditions Report (1999)]	Comments [from Current Conditions Report (1999)*]	2012 Status	Decision Tree Evaluation Rational (Numbers refer to Decision Points in the Decision Tree, See Figure 1.)	Decision Tree Result
190	ACN Spill Tank	The unit is a closed, horizontal, carbon steel tank with a capacity of 10,350-gallons. The tank is suspended over Simmons Creek and is used to accumulate run-off water from the pad beneath the acetone cyanohydrin manufacturing unit.	1999 - No releases at this SWMU are known or suspected. Unit not inspected during VSI or PR.	Tank was removed. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and removed 5. No Closure Documentation 6. Above Ground 7. No Releases 8. No Secondary Containment - has high-level alarms and a high-level cutoff. 9. No Relevant Data 11. Safe Investigation is Possible at this Time Investigation to be Proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – No Further Action
191	Inactive Disposal Area 8	This unit is a 1.5-acre area where coal fired boiler ash and coke fines were used as above-grade fill material. The depth of the material is not known. The area is now covered with gravel or asphalt and used as a parking area, rail yard, and SSS Area waste storage tank area.	1999 - This unit is an area where coal fired boiler ash and coke fines were used as above-grade fill material. The depth of the material is not known.	Area is now paved parking lots used for trailer parking. Have photo.	1. SWMU Not Previously Investigated 4. Inactive and paved 5. No Closure Documentation 6. Below Ground Investigation to be proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS
192	Inactive Disposal Area 9	This unit underlies 6-acres of the Main Process Area. Incinerator residue, organic waste, and lime were placed in the unit and covered with earth. The area is currently covered with gravel and asphalt.	1999 - Incinerator residue, organic waste, and lime were placed directly on the ground surface in the unit and covered with earth.	Area is mostly a gravel covered area.	1. SWMU Not Previously Investigated 4. Inactive and paved 5. No Closure Documentation 6. Below Ground Investigation to be proposed	Investigation to be Proposed (Phase IV) Investigated during Phase IV – Carried forward in CMS

Information in this column is copied directly from Tables 8.1 of the Current Condition Report. In Table 8.1, the sentence “No evidence of a release observed during VSI or PA. “is listed. This sentence should have read “No evidence of a release observed during VSI or PR." where VSI stands for the Visual Site Inspection and PR stands for Preliminary Review. This has been corrected in this Table.



1 = Decision Point #1

Please refer to the associated text for a discussion of the Decision Tree Decision Points.

Note: For simplicity, this figure refers only to solid waste management units (SWMUs). However, the terms SWMU and Areas of Concern (AOCs) are interchangeable in this figure.

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BELLE PLANT AREA SWMU DECISION TREE

DUPONT BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 06/26/2012
DRAWN BY: CAA	FIGURE NUMBER: 1
DATA QUALITY CHECK BY: KLD	

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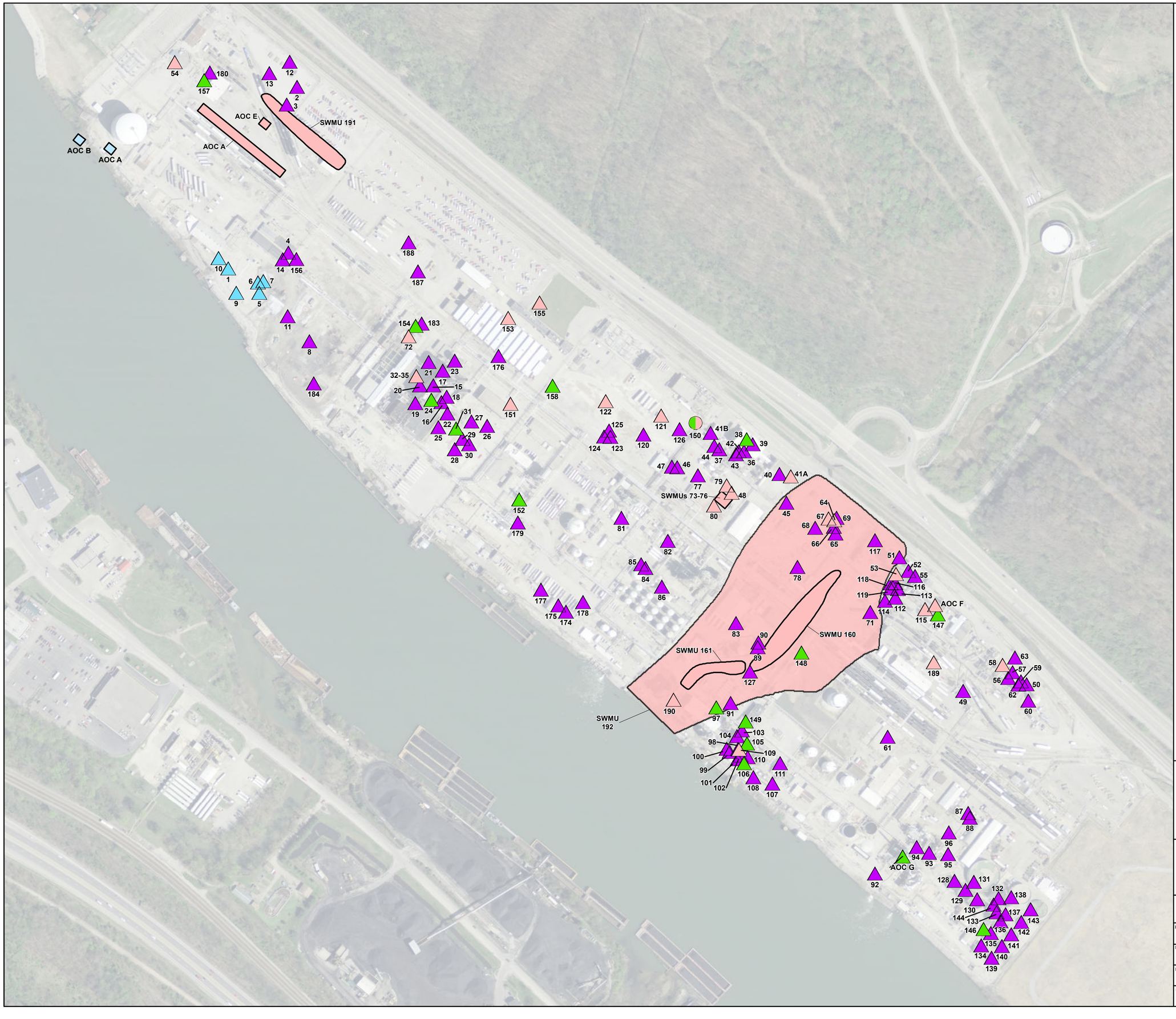

Legend

- Investigation to be Proposed
- Investigation Deferred
- RFI Complete
- No Further Action
- Investigation to be Proposed/ InvestigationDeferred

Notes:
The following SWMUs and AOCs are not shown on this figure as they had multiple locations across the site or are units which changed locations at different times (e.g., Asbestos Dumpsters):

- SWMU 145 - Investigation Deferred
- SWMU 181 - No Further Action
- SWMU 185 - No Further Action
- SWMU 186 - No Further Action
- AOC C - No Further Action
- AOC D - No Further Action

Aerial Source: World Imagery provided via ESRI online at services.arcgisonline.com. Aerial Credit: ESRI, i-cubed, USDA FSA, USGS, AEX, GeoEye, Getmapping, Aerogrid, IGP.

N W E S

0 125 250 500

Feet

1 inch = 250 feet

MAP FORMATTED FOR "C" (17" X 22") SIZE SHEET.
TEXT SCALE NOT VALID FOR DIFFERENT PAGE SIZE.

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BELLE PLANT AREA SWMU DECISION TREE EVALUATION RESULTS

DUPONT BELLE PLANT
BELLE, WEST VIRGINIA

FILE NUMBER:	PROJECT NUMBER: 18986236
DESIGNED BY: KLD	DATE: 12/03/2012
DRAWN BY: CAA	FIGURE NUMBER: 2
DATA QUALITY CHECK BY: KLD	

Appendix C

Phase IV Laboratory Analytical Reports with Narrative Reports (on CD)

Appendix D

Third-Party Data Validation Reports (on CD)

Appendix E

Laboratory Analytical Results

Summary of Groundwater Analytical Results - AOC A, AOC E, and SWMU 191
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area
Belle, West Virginia

Analyte	Filtered	Units	Screening Criteria (1)		Location ID	AOCE-1	AOCE-1	AOCE-3	AOCE-9-1	AOCE-9-2	AOCE-9-3	HP-5	HP-5	HP-5	HP-72	HP-72
			Federal MCL	EPA SL Tap Water	Field Sample ID	P4G0513-AOCE-1-34-35	P4G0513-AOCE-1-34-35-D	P4G-0513-AOCE-3-8-9	GW1113-AOCE-9-1	GW1113-AOCE-9-2	GW1113-AOCE-9-3	7652120	7652355	7652359	7646111	7646167
					Sample Name							BEL-G-HP-5	BEL-G-HP-5-ACR	BEL-G-HP-5-DIS	BEL-G-HP-72	BEL-G-HP-72
					Date Sampled	05/22/2013	05/22/2013	05/30/2013	11/18/2013	11/18/2013	11/19/2013	09/28/2000	09/28/2000	09/28/2000	09/28/2000	09/28/2000
					Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds																
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<1	<1	<1				<1			<1	
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<0.8	<0.8	<0.8				<1			<1	
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<1	<1	<1				<1			<1	
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<0.8	<0.8	<0.8				<1			<1	
1,1-Dichloroethane	N	UG/L		2.70E+00		<1	<1	<1				<1			<1	
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<0.8	<0.8	<0.8				<1			<1	
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<1	<1	<1				<1			<1	
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<2	<2	<2				<2			<2	
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<1	<1	<1				<1			<1	
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01		<1	<1	<1				<1				<1
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<1	<1	<1				<1			<1	
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<1	<1	<1				<1			<1	
1,3-Dichlorobenzene	N	UG/L				<1	<1	<1				<1				<1
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01		<1	<1	<1				<1				<1
2-Hexanone	N	UG/L		3.80E+00		<3	<3	<3				<3			<3	
Acetone	N	UG/L		1.40E+03		**8 J**	**9 J**	<6				<6			<6	
Acetonitrile	N	UG/L		1.30E+01		<25	<25	<25				<25			<25	
Acrolein	N	UG/L		4.20E-03		<40	<40	<40					<40			
Acrylonitrile	N	UG/L		5.20E-02		<4	<4	<4					<4			
Allyl Chloride	N	UG/L		2.10E-01		<1	<1	<1				<1			<1	
Benzene	N	UG/L	5.00E+00	4.50E-01		**1 J**	**1 J**	<0.5				<1			<1	
Bromodichloromethane	N	UG/L		1.30E-01		<1	<1	<1				<1			<1	
Bromoform	N	UG/L		3.30E+00		<1	<1	<1				<1			<1	
Carbon Disulfide	N	UG/L		8.10E+01		<1	<1	<1				<1			<1	
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<1	<1	<1				<1			<1	
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		<0.8	<0.8	<0.8				<1			<1	
Chlorodibromomethane	N	UG/L		1.70E-01		<1	<1	<1				<1			<1	
Chloroform	N	UG/L		2.20E-01		<0.8	<0.8	<0.8				<1			<1	
Chloroprene	N	UG/L		1.90E-02		<1	<1	<1				<1			<1	
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<0.8	<0.8	<0.8				<1			<1	
cis-1,3-Dichloropropene	N	UG/L				<1	<1	<1				<1			<1	
Dichlorodifluoromethane	N	UG/L		2.00E+01		<2	<2	<2				<2			<2	
Ethane	N	UG/L				**1.5 J**	**1.3 J**	<1.0								
Ethene	N	UG/L				<1.0	<1.0	<1.0								
Ethyl Chloride	N	UG/L		2.10E+03		<1	<1	<1				<2			<2	
Ethyl Methacrylate	N	UG/L		4.60E+01		<1	<1	<1				<1			<1	
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<0.8	<0.8	<0.8				<1			<1	
Formaldehyde	N	UG/L		4.30E-01		**89**	**60**	**16000**	**60**	**91**	**320 J**					
Iodomethane	N	UG/L				<1	<1	<1				<1			<1	
Isobutyl Alcohol	N	UG/L		5.90E+02		<100	<100	<100				<100			<100	
Methacrylonitrile	N	UG/L		1.90E-01		<10	<10	<10				<10			<10	
Methane	N	UG/L				**3300**	**2600**	**4800**								
Methyl Bromide	N	UG/L		7.50E-01		<1	<1	<1				<2			<2	
Methyl Chloride	N	UG/L		1.90E+01		<1	<1	<1				<2			<2	
Methyl Ethyl Ketone	N	UG/L		5.60E+02		<3	<3	<3				<3			<3	
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<3	<3	<3				<3			<3	
Methyl Methacrylate	N	UG/L		1.40E+02		<1	<1	<1				<1			<1	
Methylene Bromide	N	UG/L		8.00E-01		<1	<1	<1				<1			<1	
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2	<2	<2				<2			<2	
Pentachloroethane	N	UG/L		6.40E-01		<1	<1	<1				<1			<1	
Propane	N	UG/L				<1.0	<1.0	<1.0								
Propionitrile	N	UG/L				<30	<30	<30				<30			<30	
Styrene	N	UG/L	1.00E+02	1.20E+02		<1	<1	<1				<1			<1	
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<0.8	<0.8	<0.8				<1			<1	
Toluene	N	UG/L	1.00E+03	1.10E+02		**1 J**	**1 J**	<0.7				<1			<1	
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<0.8	<0.8	<0.8				<1			<1	
trans-1,3-Dichloropropene	N	UG/L				<1	<1	<1				<1			<1	
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<15	<15	<15				<15			<15	
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<1	<1	<1				<1			<1	
Trichlorofluoromethane	N	UG/L		1.10E+02		<2	<2	<2				<2 UL			<2 UL	
Vinyl Acetate	N	UG/L		4.10E+01		<2	<2	<2				<2			<2	
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<1	<1	<1				<1			<1	
Xylenes	N	UG/L	1.00E+04	1.90E+01		**2 J**	**0.9 J**	<0.8				<1			<1	
Semi-Volatile Organic Compounds																
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01		<0.6	<0.5	<0.5				<1				<1
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01		<0.6	<0.5	<0.5				<1				<1
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01		<6 UJ	<5 UJ	<5				<3				<3
1,3-Dinitrobenzene	N	UG/L		2.00E-01		<2	<2	<2				<1				<1
1,4-Dioxane	N	UG/L		4.60E-01		<1	<1	<1				<70			<70	
1,4-Naphthoquinone	N	UG/L				<11 R	<11 R	<11 R				<10 R				<10 R
1-Naphthylamine	N	UG/L				<6	<5	<5				<2				<2
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01		<0.6	<0.5	<0.5				<3				<3
2,4,5-Trichlorophenol	N	UG/L		1.20E+02		<0.6	<0.5	<0.5				<2				<2
2,4,6-Trichlorophenol	N	UG/L		1.20E+00		<0.6	<0.5	<0.5				<2				<2
2,4-Dichlorophenol	N	UG/L		4.60E+00		<0.6	<0.5	<0.5				<1				<1
2,4-Dimethylphenol	N	UG/L		3.60E+01		**2**	**3**	<0.5				<1				<1
2,4-Dinitrophenol	N	UG/L		3.90E+00		<11 UJ	<11 UJ	<11				<20				<19
2,4-Dinitrotoluene	N	UG/L		2.40E-01		<1	<1	<1				<1				<1
2,6-Dichlorophenol	N	UG/L				<0.6	<0.5	<0.5				<1				<1
2,6-Dinitrotoluene	N	UG/L		4.80E-02		<0.6	<0.5	<0.5				<2				<2

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	AOCE-1	AOCE-1	AOCE-3	AOCE-9-1	AOCE-9-2	AOCE-9-3	HP-5	HP-5	HP-5	HP-72	HP-72
			Federal MCL	EPA SL Tap Water	Field Sample ID	P4G0513-AOCE-1-34-35	P4G0513-AOCE-1-34-35-D	P4G-0513-AOCE-3-8-9	GW1113-AOCE-9-1	GW1113-AOCE-9-2	GW1113-AOCE-9-3	7652120	7652355	7652359	7646111	7646167
					Sample Name							BEL-G-HP-5	BEL-G-HP-5-ACR	BEL-G-HP-5-DIS	BEL-G-HP-72	BEL-G-HP-72
					Date Sampled	05/22/2013	05/22/2013	05/30/2013	11/18/2013	11/18/2013	11/19/2013	09/28/2000	09/28/2000	09/28/2000	09/28/2000	09/28/2000
					Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS
2-Acetylaminofluorene	N	UG/L		1.60E-02		<2	<2	<2				<2				<2
2-Chloronaphthalene	N	UG/L		7.50E+01		<0.5	<0.4	<0.4				<1				<1
2-Chlorophenol	N	UG/L		9.10E+00		<0.6	<0.5	<0.5				<1				<1
2-Methylnaphthalene	N	UG/L		3.60E+00		**23 J**	**32 J**	<0.1				<1				<1
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01		**1**	**2**	<0.5				<1				<1
2-Naphthylamine	N	UG/L		3.90E-02		<6	<5	<5				<2				<2
2-Nitroaniline	N	UG/L		1.90E+01		<0.6	<0.5	<0.5				<2				<2
2-Nitrophenol	N	UG/L				<0.6	<0.5	<0.5				<1				<1
2-Picoline	N	UG/L				<2	<2	<2				<2				<2
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01		<2	<2	<2				<2				<2
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03		<28	<26	<27				<5 UL				<5 UL
3-Methylcholanthrene	N	UG/L		1.10E-03		<0.6	<0.5	<0.5				<2				<2
3-Nitroaniline	N	UG/L				<0.6	<0.5	<0.5				<2				<2
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01		<6	<5	<5				<5				<5
4-Aminobiphenyl	N	UG/L		3.00E-03		<0.6	<0.5	<0.5				<2				<2
4-Bromophenyl Phenyl Ether	N	UG/L				<0.6	<0.5	<0.5				<2				<2
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02		<0.6	<0.5	<0.5				<1				<1
4-Chloroaniline	N	UG/L		3.60E-01		<0.6	<0.5	<0.5				<1				<1
4-Chlorophenyl Phenyl Ether	N	UG/L				<0.6	<0.5	<0.5				<1				<1
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03		<0.6	<0.5	<0.5				<2				<2
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02		**0.7 J**	**1**	<0.5				<3				<3
4-Nitroaniline	N	UG/L		3.80E+00		<0.6	<0.5	<0.5				<2				<2
4-Nitrophenol	N	UG/L				<11	<11	<11				<10				<10
4-Nitroquinoline-N-Oxide	N	UG/L				<23	<21	<21				<20 UL				<19 UL
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00		<0.6	<0.5	<0.5				<2				<2
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04		<0.6	<0.5	<0.5				<2				<2
Acenaphthene	N	UG/L		5.30E+01		**16 J**	**26 J**	<0.1				<1				<1
Acenaphthylene	N	UG/L		5.30E+01		**12 J**	**21 J**	<0.1				<1				<1
Acetophenone	N	UG/L		1.90E+02		<0.6	<0.5	<0.5				<1				<1
Aniline	N	UG/L		1.30E+01		<0.6	<0.5	<0.5				<1				<1
Anthracene	N	UG/L		1.80E+02		**19 J**	**38 J**	<0.1				<1				<1
Benzo(A)Anthracene	N	UG/L		1.20E-02		**12 J**	**27 J**	<0.1				<1				<1
Benzo(B)Fluoranthene	N	UG/L		3.40E-02		**9 J**	**19 J**	<0.1				<1				<1
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01		**4 J**	**8 J**	<0.1				<1				<1
Benzo(K)Fluoranthene	N	UG/L		3.40E-01		**4 J**	**8 J**	<0.1				<1				<1
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03		**9 J**	**19 J**	<0.1				<1				<1
Benzyl Alcohol	N	UG/L		2.00E+02		<6	<5	<5				<5				<5
Bis(2-Chloro-1-Methylethyl) Ether	N	UG/L		3.60E-01								<1				<1
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00		<0.6	<0.5	<0.5				<1				<1
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02		<0.6	<0.5	<0.5				<1				<1
Bis(2-Chloroisopropyl)Ether	N	UG/L				<0.6	<0.5	<0.5								
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00		<2	<2	<2				<2				<2
Butyl Benzyl Phthalate	N	UG/L		1.60E+01		<2	<2	<2				<2				<2
Carbazole	N	UG/L														
Chlorobenzilate	N	UG/L		3.10E-01		<3	<3	<3				<3				<3
Chrysene	N	UG/L		3.40E+00		**12 J**	**25 J**	<0.1				<1				<1
Diallate	N	UG/L		5.20E-01		<1	<1	<1				<1				<1
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03		**1 J**	**3 J**	<0.1				<1				<1
Dibenzofuran	N	UG/L		7.90E-01		**31 J**	**49 J**	<0.5				<1				<1
Diethyl Phthalate	N	UG/L		1.50E+03		<2	<2	<2				<2				<2
Dimethyl Phthalate	N	UG/L				<2	<2	<2				<2				<2
Di-N-Butyl Phthalate	N	UG/L		9.00E+01		<2	<2	<2				<2				<2
Ethyl Methanesulfonate	N	UG/L				<0.6	<0.5	<0.5				<1				<1
Famphur	N	UG/L										<0.20				<0.20
Fluoranthene	N	UG/L		8.00E+01		**31 J**	**65 J**	<0.1				<1				<1
Fluorene	N	UG/L		2.90E+01		**35 J**	**56 J**	<0.1				<1				<1
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03		<0.1	<0.1	<0.1				<2				<2
Hexachlorobutadiene	N	UG/L		1.40E-01		<0.6	<0.5	<0.5				<2				<2
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02		<6 UJ	<5 UJ	<5				<5 UL				<5 UL
Hexachloroethane	N	UG/L		3.30E-01		<1	<1	<1				<1				<1
Hexachlorophene	N	UG/L		6.00E-01								<0.02 UL				<0.02 UL
Hexachloropropylene	N	UG/L				<2	<2	<2				<2				<2
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02		**3 J**	**7 J**	<0.1				<1				<1
Isodrin	N	UG/L				<0.6	<0.5	<0.5				<5 R				<5 R
Isophorone	N	UG/L		7.80E+01		<0.6	<0.5	<0.5				<1				<1
Isosafrole	N	UG/L				<2	<2	<2				<1				<1
Kepone	N	UG/L		3.50E-03								<0.046				<0.045
Methapyrilene	N	UG/L				<17	<16	<16				<2				<2
Methyl Methanesulfonate	N	UG/L		7.90E-01		<1	<1	<1				<1				<1
Naphthalene	N	UG/L		1.70E-01		**140 J**	**200 J**	<0.1				<1				<1
N-Dioctyl Phthalate	N	UG/L		2.00E+01		<2	<2	<2				<2				<2
Nitrobenzene	N	UG/L		1.40E-01		<0.6	<0.5	<0.5				<1				<1
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04		<2	<2	<2				<2				<2
N-Nitrosodiethylamine	N	UG/L		1.70E-04		<0.6	<0.5	<0.5				<1				<1
N-Nitrosodimethylamine	N	UG/L		1.10E-04		<2	<2	<2				<2				<2
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03		<2	<2	<2				<1				<1
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02		<0.6	<0.5	<0.5				<1				<1
N-Nitrosodiphenylamine	N	UG/L		1.20E+01		<0.6	<0.5	<0.5				<1				<1
N-Nitrosomorpholine	N	UG/L		1.20E-02		<2	<2	<2				<1				<1
N-Nitrosopiperidine	N	UG/L		8.20E-03		<0.6	<0.5	<0.5				<1				<1
N-Nitrosopyrrolidine	N	UG/L		3.70E-02		<0.6	<0.5	<0.5				<2				<2

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	AOCE-1	AOCE-1	AOCE-3	AOCE-9-1	AOCE-9-2	AOCE-9-3	HP-5	HP-5	HP-5	HP-72	HP-72
			Federal MCL	EPA SL Tap Water	Field Sample ID	P4G0513-AOCE-1-34-35	P4G0513-AOCE-1-34-35-D	P4G-0513-AOCE-3-8-9	GW1113-AOCE-9-1	GW1113-AOCE-9-2	GW1113-AOCE-9-3	7652120	7652355	7652359	7646111	7646167
					Sample Name							BEL-G-HP-5	BEL-G-HP-5-ACR	BEL-G-HP-5-DIS	BEL-G-HP-72	BEL-G-HP-72
					Date Sampled	05/22/2013	05/22/2013	05/30/2013	11/18/2013	11/18/2013	11/19/2013	09/28/2000	09/28/2000	09/28/2000	09/28/2000	09/28/2000
					Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS
O,O,O-Triethylphosphorothioate	N	UG/L				<2	<2	<2				<2				<2
O-Toluidine	N	UG/L				<0.6	<0.5	<0.5				<2				<2
para-Phenylenediamine	N	UG/L		3.80E+02		<85	<79	<80				<60 R				<57 R
Parathion	N	UG/L		8.60E+00								<0.20				<0.20
Pentachlorobenzene	N	UG/L		3.20E-01		<0.6	<0.5	<0.5				<1				<1
Pentachloronitrobenzene	N	UG/L		1.20E-01		<2	<2	<2				<2				<2
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02		<1	<1	<1				<3				<3
Phenacetin	N	UG/L		3.40E+01		<0.6	<0.5	<0.5				<1				<1
Phenanthrene	N	UG/L		1.80E+02		**73 J**	**120 J**	<0.1				<1				<1
Phenol	N	UG/L		5.80E+02		<0.6	<0.5	<0.5				<1 UL				<1 UL
Pyrene	N	UG/L		1.20E+01		**26 J**	**54 J**	<0.1				<1				<1
Pyridine	N	UG/L		2.00E+00		<2	<2	<2				<2				<2
Safrole	N	UG/L		9.50E-02		<2	<2	<2				<1				<1
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01		<1	<1	<1				<1				<1
Thionazin	N	UG/L				<2	<2	<2				<3				<3
Tentatively Identified Compound																
Unknown	N	UG/L														
Unknown	N	UG/L														
Unknown	N	UG/L														
Pesticides and PCBs																
4,4'-DDD	N	UG/L		3.10E-02								<0.0040				<0.0039
4,4'-DDE	N	UG/L		4.60E-02								<0.0040				<0.0039
4,4'-DDT	N	UG/L		2.30E-01								<0.0040				<0.0039
Aldrin	N	UG/L		9.20E-04								<0.0020				<0.0020
Alpha-BHC	N	UG/L		7.10E-03								<0.0020				<0.0020
beta-BHC	N	UG/L		2.50E-02								<0.0020				**0.0021 J**
Chlordane	N	UG/L	2.00E+00									<0.050				<0.049
delta-BHC	N	UG/L										<0.0057				<0.0057
Dieldrin	N	UG/L		1.70E-03								<0.0040				<0.0039
Dimethoate	N	UG/L		4.00E-01		<3	<3	<3				<3 UL				<3 UL
Disulfoton	N	UG/L		5.00E-02								<0.20				<0.20
Endosulfan I	N	UG/L		1.00E+01								<0.0020				<0.0020
Endosulfan II	N	UG/L		1.00E+01								<0.0040				<0.0039
Endosulfan Sulfate	N	UG/L		1.00E+01								<0.0040				<0.0039
Endrin	N	UG/L	2.00E+00	2.30E-01								<0.0040				<0.0039
Endrin Aldehyde	N	UG/L		2.30E-01								<0.0040				<0.0039
Heptachlor	N	UG/L	4.00E-01	1.40E-03								<0.0020				<0.0020
Heptachlor Epoxide	N	UG/L	2.00E-01	1.40E-03								<0.0020				<0.0020
Lindane	N	UG/L	2.00E-01	4.10E-02								<0.0020				<0.0020
Methoxychlor	N	UG/L	4.00E+01	3.70E+00								<0.020				<0.020
Methyl Parathion	N	UG/L		4.50E-01								<0.20				<0.20
Phorate	N	UG/L		3.00E-01								<0.20				<0.20
Toxaphene	N	UG/L	3.00E+00	1.50E-02								<0.30				<0.29
PCB 1016	N	UG/L		1.40E-01								<0.099				<0.098
PCB 1221	N	UG/L		4.60E-03								<0.099				<0.098

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	AOCE-1	AOCE-1	AOCE-3	AOCE-9-1	AOCE-9-2	AOCE-9-3	HP-5	HP-5	HP-5	HP-72	HP-72
			Federal MCL	EPA SL Tap Water	Field Sample ID	P4G0513-AOCE-1-34-35	P4G0513-AOCE-1-34-35-D	P4G-0513-AOCE-3-8-9	GW1113-AOCE-9-1	GW1113-AOCE-9-2	GW1113-AOCE-9-3	7652120	7652355	7652359	7646111	7646167
					Sample Name							BEL-G-HP-5	BEL-G-HP-5-ACR	BEL-G-HP-5-DIS	BEL-G-HP-72	BEL-G-HP-72
					Date Sampled	05/22/2013	05/22/2013	05/30/2013	11/18/2013	11/18/2013	11/19/2013	09/28/2000	09/28/2000	09/28/2000	09/28/2000	09/28/2000
					Sample Purpose	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 1232	N	UG/L		4.60E-03								<0.099				<0.098
PCB 1242	N	UG/L		7.80E-03								<0.099				<0.098
PCB 1248	N	UG/L		7.80E-03								<0.099				<0.098
PCB 1254	N	UG/L		7.80E-03								<0.099				<0.098
PCB 1260	N	UG/L		7.80E-03								<0.099				<0.098
2,4,5-T	N	UG/L		1.60E+01								<0.010				<0.0097
2,4-Dichlorophenoxyacetic Acid	N	UG/L	7.00E+01	1.70E+01								<0.10				<0.097
Dinoseb	N	UG/L	7.00E+00	1.50E+00								<0.052 UL				<0.048 UL
Pronamide	N	UG/L		1.20E+02		<0.6	<0.5	<0.5				<2				<2
Silvex	N	UG/L	5.00E+01	1.10E+01								<0.010				<0.0097
Inorganics																
Antimony	N	UG/L	6.00E+00	7.80E-01								**0.84 J**				**50.5**
Antimony	Y	UG/L	6.00E+00	7.80E-01										<0.76		
Arsenic	N	UG/L	1.00E+01	5.20E-02								**20.7**				<1.2
Arsenic	Y	UG/L	1.00E+01	5.20E-02										**25.5**		
Barium	N	UG/L	2.00E+03	3.80E+02								**116**				**94.8 J**
Barium	Y	UG/L	2.00E+03	3.80E+02										**118**		
Beryllium	N	UG/L	4.00E+00	2.50E+00								<1.9				<1.9
Beryllium	Y	UG/L	4.00E+00	2.50E+00										<1.9		
Cadmium	N	UG/L	5.00E+00	9.20E-01								<3.6				<3.6
Cadmium	Y	UG/L	5.00E+00	9.20E-01										<3.6		
Chromium	N	UG/L	1.00E+02	2.20E+03								<6.6				<6.6
Chromium	Y	UG/L	1.00E+02	2.20E+03										<6.6		
Cobalt	N	UG/L		6.00E-01								<7.1				<7.1
Cobalt	Y	UG/L		6.00E-01										<7.1		
Copper	N	UG/L	1.30E+03	8.00E+01								**22.4 J**				**3.8 J**
Copper	Y	UG/L	1.30E+03	8.00E+01										<2.7		
Lead	N	UG/L	1.50E+01	1.50E+01								**6.5**				**2.2 J**
Lead	Y	UG/L	1.50E+01	1.50E+01										<1.9		
Mercury	N	UG/L	2.00E+00	6.30E-02								<0.048				**0.61**
Mercury	Y	UG/L	2.00E+00	6.30E-02										**0.10 J**		
Nickel	N	UG/L		3.90E+01								<8.4				**20.8 J**
Nickel	Y	UG/L		3.90E+01										<8.4		
Selenium	N	UG/L	5.00E+01	1.00E+01								<1.3				**1.8 B**
Selenium	Y	UG/L	5.00E+01	1.00E+01										<1.3		
Silver	N	UG/L		9.40E+00								<3.6				<3.6
Silver	Y	UG/L		9.40E+00										<3.6		
Thallium	N	UG/L	2.00E+00	2.00E-02								<0.20				<0.20
Thallium	Y	UG/L	2.00E+00	2.00E-02										<0.20		
Tin	N	UG/L		1.20E+03								<15.0				<15.0
Tin	Y	UG/L		1.20E+03										<15.0		
Vanadium	N	UG/L		8.60E+00								<2.6				<2.6
Vanadium	Y	UG/L		8.60E+00										<2.6		
Zinc	N	UG/L		6.00E+02								**62.7 B**				**98.8**
Zinc	Y	UG/L		6.00E+02										**33.6 B**		
Miscellaneous																
Nitrate	N	UG/L	1.00E+04	3.20E+03												
Nitrite	N	UG/L	1.00E+03	2.00E+02												
Total Kjeldahl Nitrogen	N	UG/L														
Total Organic Carbon	N	UG/L				**2500**	**2400**	**22600**								
Ammonia	N	UG/L						**13400**								
Chloride	N	UG/L														
Cyanide	N	UG/L	2.00E+02	1.50E-01								<4.0				<4.0
Sulfate	N	UG/L														
Sulfide	N	UG/L										<530				<530

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-72	HP-72	MW-72-SO	MW-72-SO	MW-72-SO	MW-72-SO
					Field Sample ID	7646347	7646351	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D	GWRFI-14-MW-72-SO-Z	GWRFI-14-MW-72-SO-Z-D
					Sample Name	BEL-G-HP-72-ACR	BEL-G-HP-72-DIS				
			Federal MCL	EPA SL Tap Water	Date Sampled	09/28/2000	09/28/2000	11/21/2014	11/21/2014	11/21/2014	11/21/2014
					Sample Purpose	FS	FS	FS	DUP	FS	DUP
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01				<0.5	<0.5		
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02				<0.5	<0.5		
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02				<0.5	<0.5		
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02				<0.5	<0.5		
1,1-Dichloroethane	N	UG/L		2.70E+00				<0.5	<0.5		
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01				<0.5	<0.5		
1,2,3-Trichloropropane	N	UG/L		7.50E-04				<1	<1		
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04				<2	<2		
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03				<0.5	<0.5		
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01				<1	<1		
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01				<0.5	<0.5		
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01				<0.5	<0.5		
1,3-Dichlorobenzene	N	UG/L						<1	<1		
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01				<1	<1		
2-Hexanone	N	UG/L		3.80E+00				<3	<3		
Acetone	N	UG/L		1.40E+03				<6	<6		
Acetonitrile	N	UG/L		1.30E+01				<25	<25		
Acrolein	N	UG/L		4.20E-03		<40		<40	<40		
Acrylonitrile	N	UG/L		5.20E-02		<4		<4	<4		
Allyl Chloride	N	UG/L		2.10E-01				<1	<1		
Benzene	N	UG/L	5.00E+00	4.50E-01				<0.5	<0.5		
Bromodichloromethane	N	UG/L		1.30E-01				<0.5	<0.5		
Bromoform	N	UG/L		3.30E+00				<0.5	<0.5		
Carbon Disulfide	N	UG/L		8.10E+01				<1	<1		
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01				<0.5	<0.5		
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00				<0.5	<0.5		
Chlorodibromomethane	N	UG/L		1.70E-01				<0.5	<0.5		
Chloroform	N	UG/L		2.20E-01				<0.5	<0.5		
Chloroprene	N	UG/L		1.90E-02				<1	<1		
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00				<0.5	<0.5		
cis-1,3-Dichloropropene	N	UG/L						<0.5	<0.5		
Dichlorodifluoromethane	N	UG/L		2.00E+01				<0.5	<0.5		
Ethane	N	UG/L									
Ethene	N	UG/L									
Ethyl Chloride	N	UG/L		2.10E+03				<0.5	<0.5		
Ethyl Methacrylate	N	UG/L		4.60E+01				<1	<1		
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00				<0.5	<0.5		
Formaldehyde	N	UG/L		4.30E-01				**67 J**	**77 J**		
Iodomethane	N	UG/L						<0.5	<0.5		
Isobutyl Alcohol	N	UG/L		5.90E+02				<100	<100		
Methacrylonitrile	N	UG/L		1.90E-01				<10	<10		
Methane	N	UG/L									
Methyl Bromide	N	UG/L		7.50E-01				<0.5	<0.5		
Methyl Chloride	N	UG/L		1.90E+01				<0.5	<0.5		
Methyl Ethyl Ketone	N	UG/L		5.60E+02				<3	<3		
Methyl Isobutyl Ketone	N	UG/L		1.20E+02				<3	<3		
Methyl Methacrylate	N	UG/L		1.40E+02				<1	<1		
Methylene Bromide	N	UG/L		8.00E-01				<0.5	<0.5		
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01				<2	<2		
Pentachloroethane	N	UG/L		6.40E-01				<1	<1		
Propane	N	UG/L									
Propionitrile	N	UG/L						<30	<30		
Styrene	N	UG/L	1.00E+02	1.20E+02				<1	<1		
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00				<0.5	<0.5		
Toluene	N	UG/L	1.00E+03	1.10E+02				<0.5	<0.5		
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01				<0.5	<0.5		
trans-1,3-Dichloropropene	N	UG/L						<0.5	<0.5		
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03				<15	<15		
Trichloroethene	N	UG/L	5.00E+00	2.80E-01				<0.5	<0.5		
Trichlorofluoromethane	N	UG/L		1.10E+02				<0.5	<0.5		
Vinyl Acetate	N	UG/L		4.10E+01				<2	<2		
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02				<0.5	<0.5		
Xylenes	N	UG/L	1.00E+04	1.90E+01				<0.5	<0.5		
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01				<0.5	<0.5		
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01				<0.5	<0.5		
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01				<5	<5		
1,3-Dinitrobenzene	N	UG/L		2.00E-01				<2	<2		
1,4-Dioxane	N	UG/L		4.60E-01				<1	<1		
1,4-Naphthoquinone	N	UG/L						<26	<25		
1-Naphthylamine	N	UG/L						<5	<5		
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01				<0.5	<0.5		
2,4,5-Trichlorophenol	N	UG/L		1.20E+02				<0.5	<0.5		
2,4,6-Trichlorophenol	N	UG/L		1.20E+00				<0.5	<0.5		
2,4-Dichlorophenol	N	UG/L		4.60E+00				<0.5	<0.5		
2,4-Dimethylphenol	N	UG/L		3.60E+01				<0.5	<0.5		
2,4-Dinitrophenol	N	UG/L		3.90E+00				<10	<10		
2,4-Dinitrotoluene	N	UG/L		2.40E-01				<1	<1		
2,6-Dichlorophenol	N	UG/L						<0.5	<0.5		
2,6-Dinitrotoluene	N	UG/L		4.80E-02				<0.5	<0.5		

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-72	HP-72	MW-72-SO	MW-72-SO	MW-72-SO	MW-72-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	7646347	7646351	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D	GWRFI-14-MW-72-SO-Z	GWRFI-14-MW-72-SO-Z-D
					Sample Name	BEL-G-HP-72-ACR	BEL-G-HP-72-DIS				
					Date Sampled	09/28/2000	09/28/2000	11/21/2014	11/21/2014	11/21/2014	11/21/2014
					Sample Purpose	FS	FS	FS	DUP	FS	DUP
2-Acetylaminofluorene	N	UG/L		1.60E-02				<2	<2		
2-Chloronaphthalene	N	UG/L		7.50E+01				<0.4	<0.4		
2-Chlorophenol	N	UG/L		9.10E+00				<0.5	<0.5		
2-Methylnaphthalene	N	UG/L		3.60E+00				<0.1	<0.1		
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01				<0.5	<0.5		
2-Naphthylamine	N	UG/L		3.90E-02				<5	<5		
2-Nitroaniline	N	UG/L		1.90E+01				<0.5	<0.5		
2-Nitrophenol	N	UG/L						<0.5	<0.5		
2-Picoline	N	UG/L						<2	<2		
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01				<2	<2		
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03				<26	<25		
3-Methylcholanthrene	N	UG/L		1.10E-03				<0.5	<0.5		
3-Nitroaniline	N	UG/L						<0.5	<0.5		
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01				<5	<5		
4-Aminobiphenyl	N	UG/L		3.00E-03				<0.5	<0.5		
4-Bromophenyl Phenyl Ether	N	UG/L						<0.5	<0.5		
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02				<0.5	<0.5		
4-Chloroaniline	N	UG/L		3.60E-01				<0.5	<0.5		
4-Chlorophenyl Phenyl Ether	N	UG/L						<0.5	<0.5		
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03				<0.5	<0.5		
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02				<0.5	<0.5		
4-Nitroaniline	N	UG/L		3.80E+00				<0.5	<0.5		
4-Nitrophenol	N	UG/L						<10	<10		
4-Nitroquinoline-N-Oxide	N	UG/L						<20	<20		
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00				<0.5	<0.5		
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04				<0.5	<0.5		
Acenaphthene	N	UG/L		5.30E+01				<0.1	<0.1		
Acenaphthylene	N	UG/L		5.30E+01				<0.1	<0.1		
Acetophenone	N	UG/L		1.90E+02				<0.5	<0.5		
Aniline	N	UG/L		1.30E+01				<0.5	<0.5		
Anthracene	N	UG/L		1.80E+02				<0.1	<0.1		
Benzo(A)Anthracene	N	UG/L		1.20E-02				<0.1	<0.1		
Benzo(B)Fluoranthene	N	UG/L		3.40E-02				<0.1	<0.1		
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01				<0.1	<0.1		
Benzo(K)Fluoranthene	N	UG/L		3.40E-01				<0.1	<0.1		
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03				<0.1	<0.1		
Benzyl Alcohol	N	UG/L		2.00E+02				<10 UJ	<10		
Bis(2-Chloro-1-Methylethyl) Ether	N	UG/L		3.60E-01							
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00				<0.5	<0.5		
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02				<0.5	<0.5		
Bis(2-Chloroisopropyl)Ether	N	UG/L						<0.5	<0.5		
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00				<2	<2		
Butyl Benzyl Phthalate	N	UG/L		1.60E+01				<2	<2		
Carbazole	N	UG/L									
Chlorobenzilate	N	UG/L		3.10E-01				<3	<3		
Chrysene	N	UG/L		3.40E+00				<0.1	<0.1		
Diallate	N	UG/L		5.20E-01				<1	<1		
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03				<0.1	<0.1		
Dibenzofuran	N	UG/L		7.90E-01				<0.5	<0.5		
Diethyl Phthalate	N	UG/L		1.50E+03				<2	<2		
Dimethyl Phthalate	N	UG/L						<2	<2		
Di-N-Butyl Phthalate	N	UG/L		9.00E+01				<2	<2		
Ethyl Methanesulfonate	N	UG/L						<0.5	<0.5		
Famphur	N	UG/L									
Fluoranthene	N	UG/L		8.00E+01				<0.1	<0.1		
Fluorene	N	UG/L		2.90E+01				<0.1	<0.1		
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03				<0.1	<0.1		
Hexachlorobutadiene	N	UG/L		1.40E-01				<0.5	<0.5		
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02				<5	<5		
Hexachloroethane	N	UG/L		3.30E-01				<1	<1		
Hexachlorophene	N	UG/L		6.00E-01							
Hexachloropropylene	N	UG/L						<2	<2		
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02				<0.1	<0.1		
Isodrin	N	UG/L						<0.5	<0.5		
Isophorone	N	UG/L		7.80E+01				<0.5	<0.5		
Isosafrole	N	UG/L						<2	<2		
Kepone	N	UG/L		3.50E-03							
Methapyrilene	N	UG/L						<15	<15		
Methyl Methanesulfonate	N	UG/L		7.90E-01				<1	<1		
Naphthalene	N	UG/L		1.70E-01				<0.1	<0.1		
N-Dioctyl Phthalate	N	UG/L		2.00E+01				<2	<2		
Nitrobenzene	N	UG/L		1.40E-01				<0.5	<0.5		
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04				<2	<2		
N-Nitrosodiethylamine	N	UG/L		1.70E-04				<0.5	<0.5		
N-Nitrosodimethylamine	N	UG/L		1.10E-04				<2	<2		
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03				<2	<2		
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02				<0.5	<0.5		
N-Nitrosodiphenylamine	N	UG/L		1.20E+01				<0.5	<0.5		
N-Nitrosomorpholine	N	UG/L		1.20E-02				<2	<2		
N-Nitrosopiperidine	N	UG/L		8.20E-03				<0.5	<0.5		
N-Nitrosopyrrolidine	N	UG/L		3.70E-02				<0.5	<0.5		

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					Field Sample ID	7646347	7646351	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D	GWRFI-14-MW-72-SO-Z	GWRFI-14-MW-72-SO-Z-D
					Sample Name	BEL-G-HP-72-ACR	BEL-G-HP-72-DIS				
			Federal MCL	EPA SL Tap Water	Date Sampled	09/28/2000	09/28/2000	11/21/2014	11/21/2014	11/21/2014	11/21/2014
					Sample Purpose	FS	FS	FS	DUP	FS	DUP
O,O,O-Triethylphosphorothioate	N	UG/L						<2	<2		
O-Toluidine	N	UG/L						<0.5	<0.5		
para-Phenylenediamine	N	UG/L		3.80E+02				<77	<76		
Parathion	N	UG/L		8.60E+00							
Pentachlorobenzene	N	UG/L		3.20E-01				<0.5	<0.5		
Pentachloronitrobenzene	N	UG/L		1.20E-01				<2	<2		
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02				<1	<1		
Phenacetin	N	UG/L		3.40E+01				<0.5	<0.5		
Phenanthrene	N	UG/L		1.80E+02				<0.1	<0.1		
Phenol	N	UG/L		5.80E+02				<0.5	<0.5		
Pyrene	N	UG/L		1.20E+01				<0.1	<0.1		
Pyridine	N	UG/L		2.00E+00				<2	<2		
Safrole	N	UG/L		9.50E-02				<2	<2		
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01				<1	<1		
Thionazin	N	UG/L						<2	<2		
Tentatively Identified Compound											
Unknown	N	UG/L									
Unknown	N	UG/L									
Unknown	N	UG/L									
Pesticides and PCBs											
4,4'-DDD	N	UG/L		3.10E-02							
4,4'-DDE	N	UG/L		4.60E-02							
4,4'-DDT	N	UG/L		2.30E-01							
Aldrin	N	UG/L		9.20E-04							
Alpha-BHC	N	UG/L		7.10E-03							
beta-BHC	N	UG/L		2.50E-02							
Chlordane	N	UG/L	2.00E+00								
delta-BHC	N	UG/L									
Dieldrin	N	UG/L		1.70E-03							
Dimethoate	N	UG/L		4.00E-01				<3	<3		
Disulfoton	N	UG/L		5.00E-02							
Endosulfan I	N	UG/L		1.00E+01							
Endosulfan II	N	UG/L		1.00E+01							
Endosulfan Sulfate	N	UG/L		1.00E+01							
Endrin	N	UG/L	2.00E+00	2.30E-01							
Endrin Aldehyde	N	UG/L		2.30E-01							
Heptachlor	N	UG/L	4.00E-01	1.40E-03							
Heptachlor Epoxide	N	UG/L	2.00E-01	1.40E-03							
Lindane	N	UG/L	2.00E-01	4.10E-02							
Methoxychlor	N	UG/L	4.00E+01	3.70E+00							
Methyl Parathion	N	UG/L		4.50E-01							
Phorate	N	UG/L		3.00E-01							
Toxaphene	N	UG/L	3.00E+00	1.50E-02							
PCB 1016	N	UG/L		1.40E-01							
PCB 1221	N	UG/L		4.60E-03							

Summary of Groundwater Analytical Results - AOC A, AOC E, and SWMU 191
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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-72	HP-72	MW-72-SO	MW-72-SO	MW-72-SO	MW-72-SO
					Field Sample ID	7646347	7646351	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D	GWRFI-14-MW-72-SO-Z	GWRFI-14-MW-72-SO-Z-D
			Federal MCL	EPA SL Tap Water	Sample Name	BEL-G-HP-72-ACR	BEL-G-HP-72-DIS				
					Date Sampled	09/28/2000	09/28/2000	11/21/2014	11/21/2014	11/21/2014	11/21/2014
					Sample Purpose	FS	FS	FS	DUP	FS	DUP
PCB 1232	N	UG/L		4.60E-03							
PCB 1242	N	UG/L		7.80E-03							
PCB 1248	N	UG/L		7.80E-03							
PCB 1254	N	UG/L		7.80E-03							
PCB 1260	N	UG/L		7.80E-03							
2,4,5-T	N	UG/L		1.60E+01							
2,4-Dichlorophenoxyacetic Acid	N	UG/L	7.00E+01	1.70E+01							
Dinoseb	N	UG/L	7.00E+00	1.50E+00							
Pronamide	N	UG/L		1.20E+02				<0.5	<0.5		
Silvex	N	UG/L	5.00E+01	1.10E+01							
Inorganics											
Antimony	N	UG/L	6.00E+00	7.80E-01				**10.2**	**10.3**		
Antimony	Y	UG/L	6.00E+00	7.80E-01			**50.2**			**8.4**	**7.8**
Arsenic	N	UG/L	1.00E+01	5.20E-02				**1.7 J**	**1.5 J**		
Arsenic	Y	UG/L	1.00E+01	5.20E-02			**2.3 J**			<0.82	**1.1 J**
Barium	N	UG/L	2.00E+03	3.80E+02				**82.3**	**84.5**		
Barium	Y	UG/L	2.00E+03	3.80E+02			**90.9 J**			**79.5**	**90.8**
Beryllium	N	UG/L	4.00E+00	2.50E+00				<0.67	<0.67		
Beryllium	Y	UG/L	4.00E+00	2.50E+00			<1.9			<0.67	<0.67
Cadmium	N	UG/L	5.00E+00	9.20E-01				**0.47 J**	**0.40 J**		
Cadmium	Y	UG/L	5.00E+00	9.20E-01			<3.6			<0.33	<0.33
Chromium	N	UG/L	1.00E+02	2.20E+03				**1.5 J**	<1.3		
Chromium	Y	UG/L	1.00E+02	2.20E+03			<6.6			<1.3	<1.3
Cobalt	N	UG/L		6.00E-01				**3.3 J**	**3.4 J**		
Cobalt	Y	UG/L		6.00E-01			<7.1			**3.8 J**	**5.0 J**
Copper	N	UG/L	1.30E+03	8.00E+01				<2.8	<2.8		
Copper	Y	UG/L	1.30E+03	8.00E+01			<2.7			<2.8	<2.8
Lead	N	UG/L	1.50E+01	1.50E+01				**0.25 J**	**0.15 J**		
Lead	Y	UG/L	1.50E+01	1.50E+01			<1.9			<0.082	<0.082
Mercury	N	UG/L	2.00E+00	6.30E-02				<0.060	<0.060		
Mercury	Y	UG/L	2.00E+00	6.30E-02			<0.048			<0.060	<0.060
Nickel	N	UG/L		3.90E+01				**25.6 J**	**26.6 J**		
Nickel	Y	UG/L		3.90E+01			**18.8 J**			**29.1 J**	**29.7 J**
Selenium	N	UG/L	5.00E+01	1.00E+01				**2.1**	**1.7 J**		
Selenium	Y	UG/L	5.00E+01	1.00E+01			**2.2 J**			**0.96 J**	**1.2 J**
Silver	N	UG/L		9.40E+00				<1.8	<1.8		
Silver	Y	UG/L		9.40E+00			<3.6			<1.8	<1.8
Thallium	N	UG/L	2.00E+00	2.00E-02				**0.24 J**	**0.22 J**		
Thallium	Y	UG/L	2.00E+00	2.00E-02			<0.20			**0.23 J**	**0.20 J**
Tin	N	UG/L		1.20E+03				<2.4	<2.4		
Tin	Y	UG/L		1.20E+03			<15.0			<2.4	<2.4
Vanadium	N	UG/L		8.60E+00				<1.9	<1.9		
Vanadium	Y	UG/L		8.60E+00			<2.6			<1.9	<1.9
Zinc	N	UG/L		6.00E+02				**58.5**	**60.5**		
Zinc	Y	UG/L		6.00E+02			**87.6**			**59.9**	**66.2**
Miscellaneous											
Nitrate	N	UG/L	1.00E+04	3.20E+03							
Nitrite	N	UG/L	1.00E+03	2.00E+02							
Total Kjeldahl Nitrogen	N	UG/L									
Total Organic Carbon	N	UG/L									
Ammonia	N	UG/L									
Chloride	N	UG/L									
Cyanide	N	UG/L	2.00E+02	1.50E-01							
Sulfate	N	UG/L									
Sulfide	N	UG/L									

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher

Summary of Analytical Results - AOC A, AOC E, and SWMU 191 - Comparison to SLs
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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCA-1	AOCA-1	AOCA-3	AOCA-3	AOCA-3
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321
					Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)
					Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012
					Start Depth - End Depth	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02			<0.0020 UL	<0.0020	<0.0020 UL	<0.0020 UL	<0.0020 UL
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
2-Hexanone	MG/KG	2.00E+01	1.30E+02			<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Acetone	MG/KG	6.10E+03	6.70E+04			<0.0070	<0.0070	**0.0070 J**	**0.0130 J**	<0.0070
Acetonitrile	MG/KG	8.10E+01	3.40E+02			<0.0260	<0.0260	<0.0260	<0.0260	<0.0250
Acrolein	MG/KG	1.40E-02	6.00E-02			<0.0210	<0.0210	<0.0210	<0.0210	<0.0200
Acrylonitrile	MG/KG	2.50E-01	1.10E+00			<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Allyl Chloride	MG/KG	1.70E-01	6.90E-01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	1.20E+00	5.10E+00			<0.00050	<0.00050	**0.0030 J**	<0.00050	<0.00050
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	1.90E+01	8.60E+01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	2.80E+01	1.30E+02			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	3.20E-01	1.40E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG	1.00E-02	4.40E-02			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	5.80E+00	2.50E+01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG	1.70E+01	7.30E+01				<1.5000			
Iodomethane	MG/KG					<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04			<0.1000	<0.1000	<0.1000	<0.1100	<0.1000

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCA-1	AOCA-1	AOCA-3	AOCA-3	AOCA-3
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321
					Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)
					Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012
					Start Depth - End Depth	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Methyl Bromide	MG/KG	6.80E-01	3.00E+00			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Chloride	MG/KG	1.10E+01	4.60E+01			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04			<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03			<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Tertiary Butyl Ether	MG/KG	4.70E+01	2.10E+02							
Methylene Bromide	MG/KG	2.30E+00	9.80E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	3.50E+01	3.20E+02			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Pentachloroethane	MG/KG	7.70E+00	3.60E+01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0310	<0.0310	<0.0310	<0.0320	<0.0300
Styrene	MG/KG	6.00E+02	3.50E+03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Tertiary Butyl Alcohol	MG/KG									
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	4.90E+02	4.70E+03			<0.0010	<0.0010	**0.0060**	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02			<0.0100	<0.0100	<0.0100	<0.0110	<0.0100
Trichloroethene	MG/KG	4.10E-01	1.90E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	6.50E+01	2.80E+02			<0.0010	<0.0010	**0.0010 J**	<0.0010	<0.0010
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03			<0.2100	<0.2100	<0.8900	<0.2100	<0.2100
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01			<0.1300	<0.1200	<0.5300	<0.1200	<0.1200
1,4-Naphthoquinone	MG/KG					<1.1000	<1.0000	<4.4000	<1.0000	<1.0000
1-Methylnaphthalene	MG/KG	1.80E+01	7.30E+01	3.50E-01						
1-Naphthylamine	MG/KG					<0.2100	<0.2100	<0.8900	<0.2100	<0.2100
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02			<0.3800	<0.3700	<1.6000	<0.3700	<0.3700
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCA-1	AOCA-1	AOCA-3	AOCA-3	AOCA-3
					Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321
					Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)
					Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012
					Start Depth - End Depth	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil
2,6-Dichlorophenol	MG/KG					<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03			<0.0090	<0.0090	<0.0370	<0.0090	<0.0090
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02	4.70E-01		<0.0040	<0.0040	**0.18**	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00			<0.2100 UL	<0.2100	<0.8900 UL	<0.2100 UL	<0.2100 UL
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
2-Nitrophenol	MG/KG					<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
2-Picoline	MG/KG					<0.1300	<0.1200	<0.5300	<0.1200	<0.1200
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00			<0.1300	<0.1200	<0.5300	<0.1200	<0.1200
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01			<0.6300	<0.6200	<2.7000	<0.6200	<0.6200
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
3-Nitroaniline	MG/KG					<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00			<0.2100	<0.2100	<0.8900	<0.2100	<0.2100
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01			<0.2100	<0.2100	<0.8900	<0.2100	<0.2100
4-Bromophenyl Phenyl Ether	MG/KG					<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
4-Nitrophenol	MG/KG					<0.2100	<0.2100	<0.8900	<0.2100	<0.2100
4-Nitroquinoline-N-Oxide	MG/KG					<0.4200	<0.4100	<1.8000	<0.4200	<0.4200
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02			<0.2100	<0.2100	<0.8900	<0.2100	<0.2100
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
Acenaphthene	MG/KG	3.60E+02	4.50E+03	3.40E-02		<0.0040	<0.0040	<0.0180	<0.0040	<0.0040
Acenaphthylene	MG/KG	3.60E+02	4.50E+03	3.10E-01		<0.0040	<0.0040	**0.0680 J**	<0.0040	<0.0040
Acetophenone	MG/KG	7.80E+02	1.20E+04			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
Aniline	MG/KG	4.40E+01	4.00E+02			<0.2100	<0.2100	<0.8900	<0.2100	<0.2100
Anthracene	MG/KG	1.80E+03	2.30E+04	4.40E-01		<0.0040	**0.0060 J**	**0.11**	<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00	8.90E-01		<0.0040	**0.0100 J**	**0.18**	<0.0040	<0.0040
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00	1.60E+00		<0.0040	**0.0120 J**	**0.3**	<0.0040	**0.0050 J**
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03	6.10E-01		<0.0040	**0.0060 J**	**0.21**	<0.0040	<0.0040
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01	6.40E-01		<0.0040	**0.0080 J**	**0.1**	<0.0040	<0.0040
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01	6.90E-01		<0.0040	**0.0090 J**	**0.22**	<0.0040	<0.0040
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03			<0.2100	<0.2100	<0.8900	<0.2100	<0.2100

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCA-1	AOCA-1	AOCA-3	AOCA-3	AOCA-3
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321
					Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)
					Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012
					Start Depth - End Depth	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG	4.90E+00	2.20E+01							
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01			<0.0420	<0.0410	<0.1800	<0.0420	<0.0420
Chrysene	MG/KG	1.60E+01	2.90E+02	1.50E+00		<0.0040	**0.0120 J**	**0.27**	<0.0040	<0.0040
Diallate	MG/KG	8.90E+00	3.80E+01			<0.0420	<0.0410	<0.1800	<0.0420	<0.0420
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01	2.00E-01		<0.0040	<0.0040	**0.0420 J**	<0.0040	<0.0040
Dibenzofuran	MG/KG	7.30E+00	1.00E+02			<0.0210	<0.0210	**0.1200 J**	<0.0210	<0.0210
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
Dimethoate	MG/KG	1.30E+00	1.60E+01			<0.2100 UL	<0.2100	<0.8900 UL	<0.2100 UL	<0.2100 UL
Dimethyl Phthalate	MG/KG					<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
Ethyl Methanesulfonate	MG/KG					<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
Famphur	MG/KG									
Fluoranthene	MG/KG	2.40E+02	3.00E+03	1.90E+00		<0.0040	**0.0170 J**	**0.4**	<0.0040	<0.0040
Fluorene	MG/KG	2.40E+02	3.00E+03	8.50E-02		<0.0040	**0.0050 J**	**0.0470 J**	<0.0040	<0.0040
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01			<0.0040	<0.0040	<0.0180	<0.0040	<0.0040
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01			<0.2100	<0.2100	<0.8900	<0.2100	<0.2100
Hexachloroethane	MG/KG	1.80E+00	8.00E+00			<0.0420	<0.0410	<0.1800	<0.0420	<0.0420
Hexachlorophene	MG/KG	1.90E+00	2.50E+01							
Hexachloropropylene	MG/KG					<0.1300	<0.1200	<0.5300	<0.1200	<0.1200
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00	5.70E-01		<0.0040	**0.0040 J**	**0.13**	<0.0040	<0.0040
Isodrin	MG/KG					<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
Isophorone	MG/KG	5.70E+02	2.40E+03			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
Isosafrole	MG/KG					<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
Kepone	MG/KG	5.40E-02	2.30E-01							
Methapyrilene	MG/KG					<2.1000	<2.1000	<8.9000	<2.1000	<2.1000
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01			<0.0420	<0.0410	<0.1800	<0.0420	<0.0420
Naphthalene	MG/KG	3.80E+00	1.70E+01	1.20E+00		<0.0040	**0.0090 J**	**0.14**	<0.0040	<0.0040
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
Nitrobenzene	MG/KG	5.10E+00	2.20E+01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCA-1	AOCA-1	AOCA-3	AOCA-3	AOCA-3
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321
					Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)
					Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012
					Start Depth - End Depth	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
O,O,O-Triethylphosphorothioate	MG/KG					<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
O-Toluidine	MG/KG					<0.2500	<0.2500	<1.1000	<0.2500	<0.2500
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04			<15.0000	<14.0000	<62.0000	<15.0000	<15.0000
Parathion	MG/KG	3.80E+01	4.90E+02							
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00			<0.0420	<0.0410	<0.1800	<0.0420	<0.0420
Phenacetin	MG/KG	2.50E+02	1.00E+03			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
Phenanthrene	MG/KG	1.80E+03	2.30E+04	8.70E-01		<0.0040	**0.0240**	**0.33**	**0.0050 J**	**0.0060 J**
Phenol	MG/KG	1.90E+03	2.50E+04			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210
Pronamide	MG/KG	4.70E+02	6.20E+03			<0.0420	<0.0410	<0.1800	<0.0420	<0.0420
Pyrene	MG/KG	1.80E+02	2.30E+03	1.50E+00		<0.0040	**0.0190 J**	**0.44**	<0.0040	<0.0040
Pyridine	MG/KG	7.80E+00	1.20E+02			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
Safrole	MG/KG	5.50E-01	1.00E+01			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
Thionazin	MG/KG					<0.0850	<0.0820	<0.3600	<0.0830	<0.0830
Pesticides and PCBs										
4,4'-DDD	MG/KG	2.30E+00	9.60E+00							
4,4'-DDE	MG/KG	2.00E+00	9.30E+00							
4,4'-DDT	MG/KG	1.90E+00	8.50E+00							
Aldrin	MG/KG	3.90E-02	1.80E-01							
Alpha-BHC	MG/KG	8.60E-02	3.60E-01							
beta-BHC	MG/KG	3.00E-01	1.30E+00							
Chlordane	MG/KG									
delta-BHC	MG/KG									
Dieldrin	MG/KG	3.40E-02	1.40E-01							
Disulfoton	MG/KG	2.50E-01	3.30E+00							
Endosulfan I	MG/KG	4.70E+01	7.00E+02							
Endosulfan II	MG/KG	4.70E+01	7.00E+02							
Endosulfan Sulfate	MG/KG	4.70E+01	7.00E+02							
Endrin	MG/KG	1.90E+00	2.50E+01							
Endrin Aldehyde	MG/KG	1.90E+00	2.50E+01							
Heptachlor	MG/KG	1.30E-01	6.30E-01							
Heptachlor Epoxide	MG/KG	7.00E-02	3.30E-01							

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCA-1	AOCA-1	AOCA-3	AOCA-3	AOCA-3
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321
					Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)
					Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012
					Start Depth - End Depth	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil
Lindane	MG/KG	5.70E-01	2.50E+00							
Methoxychlor	MG/KG	3.20E+01	4.10E+02							
Methyl Parathion	MG/KG	1.60E+00	2.10E+01							
Phorate	MG/KG	1.30E+00	1.60E+01							
Toxaphene	MG/KG	4.90E-01	2.10E+00							
PCB 1016	MG/KG	4.10E-01	5.10E+00							
PCB 1221	MG/KG	1.70E-01	7.20E-01							
PCB 1232	MG/KG	1.70E-01	7.20E-01							
PCB 1242	MG/KG	2.30E-01	9.70E-01							
PCB 1248	MG/KG	2.30E-01	9.40E-01							
PCB 1254	MG/KG	1.20E-01	9.70E-01							
PCB 1260	MG/KG	2.40E-01	9.90E-01							
2,4,5-T	MG/KG	6.30E+01	8.20E+02							
2,4-Dichlorophenoxyacetic Acid	MG/KG	7.00E+01	9.60E+02							
Dinoseb	MG/KG	6.30E+00	8.20E+01							
Silvex	MG/KG	5.10E+01	6.60E+02							
Inorganics										
Antimony	MG/KG	3.10E+00	4.70E+01	1.43E+00		<0.205		**0.162 J**	**0.135 J**	**0.156 J**
Arsenic	MG/KG	6.80E-01	3.00E+00	2.20E+01		**9.98**		**4.51**	**8.9**	**7.32**
Barium	MG/KG	1.50E+03	2.20E+04	2.62E+02		**175**		**49.4**	**151**	**162**
Beryllium	MG/KG	1.60E+01	2.30E+02	2.23E+00		**1.51**		**0.843**	**1.37**	**1.33**
Cadmium	MG/KG	7.10E+00	9.80E+01	1.37E+00		<0.0411		<0.0353	<0.0419	<0.0403
Calcium	MG/KG									
Chromium	MG/KG	1.20E+04	1.80E+05	4.40E+01		**25.3 K**		**13.6 K**	**27.5 K**	**22.8 K**
Cobalt	MG/KG	2.30E+00	3.50E+01	2.23E+01		**7.42**		**10.3**	**11.3**	**12.6**
Copper	MG/KG	3.10E+02	4.70E+03	8.86E+01		**21.0**		**19.6**	**17.9**	**21.2**
Iron	MG/KG	5.50E+03	8.20E+04							
Lead	MG/KG	4.00E+02	8.00E+02	1.06E+02		**20.6**		**21**	**28.2**	**20**
Magnesium	MG/KG									
Mercury	MG/KG	2.30E+00	3.50E+01	4.14E+00		**0.0398 J**		**0.13**	**0.0217 J**	**0.0465 J**
Nickel	MG/KG	1.50E+02	2.20E+03	2.59E+01		**25.3**		**17.6**	**21.9**	**24.2**
Potassium	MG/KG									
Selenium	MG/KG	3.90E+01	5.80E+02	2.19E+00		**0.323 J**		**0.321 J**	**0.728**	**0.240 J**
Silver	MG/KG	3.90E+01	5.80E+02			<0.174		<0.150	<0.178	<0.171
Sodium	MG/KG									
Thallium	MG/KG	7.80E-02	1.20E+00	4.09E-01		**0.313**		**0.135**	**0.231**	**0.265**
Tin	MG/KG	4.70E+03	7.00E+04			**2.63 B**		**2.55 B**	**2.74 B**	**2.70 B**
Vanadium	MG/KG	3.90E+01	5.80E+02	6.74E+01		**34.6**		**17.2**	**35.2**	**33.5**
Zinc	MG/KG	2.30E+03	3.50E+04	1.33E+02		**85.4**		**54.1**	**74.1**	**80.2**

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCA-1	AOCA-1	AOCA-3	AOCA-3	AOCA-3
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321
					Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)
					Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012
					Start Depth - End Depth	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil
Miscellaneous										
Total Organic Carbon	MG/KG						**2600**			
Ammonia	MG/KG						**140**			
Cyanide	MG/KG	2.70E-01	1.20E+00							
Percent Moisture	%					**21.2**	**19.9**	**7.5**	**21.2**	**19.8**
Percent Moisture	% BY WT.									
Ph	STD UNITS									
Specific Conductance	UMHOS/CM									
Sulfide	MG/KG									

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

(2) Site-specific historical fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the industrial SL and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Belle, West Virginia

Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28508382	28508383	28508384	28508385	28508386
					Sample Name	BEL-S-AOCE-1(0.5-1)	BEL-S-AOCE-1(0.5-1)-DUP	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)
					Date Sampled	11/09/2012	11/09/2012	11/09/2012	11/09/2012	11/09/2012
					Start Depth - End Depth	0.5 - 1	0.5 - 1	7 - 8	22 - 23	34 - 35
					Sample Purpose	FS	DUP	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03			**0.0050 J**	**0.0040 J**	<0.0510	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02			<0.0030	<0.0030	<0.1000	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
2-Hexanone	MG/KG	2.00E+01	1.30E+02			<0.0040	<0.0040	<0.1500	<0.0030	<0.0040
Acetone	MG/KG	6.10E+03	6.70E+04			<0.0100	<0.0100	<0.3600	<0.0070	**0.0310**
Acetonitrile	MG/KG	8.10E+01	3.40E+02			<0.0360	<0.0350	<1.3000	<0.0250	<0.0300
Acrolein	MG/KG	1.40E-02	6.00E-02			<0.0290	<0.0280	<1.0000	<0.0200	<0.0240
Acrylonitrile	MG/KG	2.50E-01	1.10E+00			<0.0060	<0.0060	<0.2000	<0.0040	<0.0050
Allyl Chloride	MG/KG	1.70E-01	6.90E-01			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
Benzene	MG/KG	1.20E+00	5.10E+00			<0.00070	<0.00070	**0.0950 J**	<0.00050	<0.00060
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
Bromoform	MG/KG	1.90E+01	8.60E+01			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02			<0.0010	<0.0010	<0.0510	<0.0010	**0.0020 J**
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
Chlorobenzene	MG/KG	2.80E+01	1.30E+02			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
Chloroform	MG/KG	3.20E-01	1.40E+00			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
Chloroprene	MG/KG	1.00E-02	4.40E-02			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01			<0.0030 UL	<0.0030 UL	<0.1000 UL	<0.0020 UL	<0.0020 UL
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03			<0.0030	<0.0030	<0.1000 UL	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
Ethylbenzene	MG/KG	5.80E+00	2.50E+01			<0.0010	<0.0010	**0.1300 J**	<0.0010	<0.0010
Formaldehyde	MG/KG	1.70E+01	7.30E+01							
Iodomethane	MG/KG					<0.0040	<0.0040	<0.1500	<0.0030	<0.0040
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04			<0.1400	<0.1400	<5.1000	<0.1000	<0.1200

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		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28508382	28508383	28508384	28508385	28508386
					Sample Name	BEL-S-AOCE-1(0.5-1)	BEL-S-AOCE-1(0.5-1)-DUP	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)
					Date Sampled	11/09/2012	11/09/2012	11/09/2012	11/09/2012	11/09/2012
					Start Depth - End Depth	0.5 - 1	0.5 - 1	7 - 8	22 - 23	34 - 35
					Sample Purpose	FS	DUP	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01			<0.0070	<0.0070	<0.2500	<0.0050	<0.0060
Methyl Bromide	MG/KG	6.80E-01	3.00E+00			<0.0030	<0.0030	<0.1000 UL	<0.0020	<0.0020
Methyl Chloride	MG/KG	1.10E+01	4.60E+01			<0.0030	<0.0030	<0.1000 UL	<0.0020	<0.0020
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04			<0.0060	<0.0060	<0.2000	<0.0040	<0.0050
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03			<0.0040	<0.0040	<0.1500	<0.0030	<0.0040
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
Methyl Tertiary Butyl Ether	MG/KG	4.70E+01	2.10E+02			<0.00070	<0.00070	<0.0250	<0.00050	<0.00060
Methylene Bromide	MG/KG	2.30E+00	9.80E+00			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
Methylene Chloride	MG/KG	3.50E+01	3.20E+02			<0.0030	<0.0030	<0.1000	<0.0020	<0.0020
Pentachloroethane	MG/KG	7.70E+00	3.60E+01			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0430	<0.0420	<1.5000	<0.0300	<0.0360
Styrene	MG/KG	6.00E+02	3.50E+03			<0.0010	<0.0010	**0.0590 J**	<0.0010	<0.0010
Tertiary Butyl Alcohol	MG/KG					<0.0290	<0.0280	<1.0000	<0.0200	<0.0240
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
Toluene	MG/KG	4.90E+02	4.70E+03			**0.0020 J**	**0.0020 J**	**0.0830 J**	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02			<0.0140	<0.0140	<0.5100	<0.0100	<0.0120
Trichloroethene	MG/KG	4.10E-01	1.90E+00			<0.0010	<0.0010	<0.0510	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02			<0.0030	<0.0030	<0.1000 UL	<0.0020	<0.0020
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02			<0.0030 UL	<0.0030 UL	<0.1000 UL	<0.0020 UL	<0.0020 UL
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00			<0.0010	<0.0010	<0.0510 UL	<0.0010	<0.0010
Xylenes	MG/KG	6.50E+01	2.80E+02			<0.0010	**0.0020 J**	**1.3000 L**	<0.0010	<0.0010
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03			<0.1700	<1.1000	<0.2100	<0.2100	<0.2400
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01			<0.1000	<0.6300	<0.1300	<0.1200	<0.1400
1,4-Naphthoquinone	MG/KG					<0.8700	<5.3000	<1.1000	<1.0000	<1.2000
1-Methylnaphthalene	MG/KG	1.80E+01	7.30E+01	3.50E-01						
1-Naphthylamine	MG/KG					<0.1700 UL	<1.1000 UL	<0.2100 UL	<0.2100 UL	<0.2400 UL
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02			<0.3100	<1.9000	<0.3900	<0.3700	<0.4300
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950

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		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28508382	28508383	28508384	28508385	28508386
					Sample Name	BEL-S-AOCE-1(0.5-1)	BEL-S-AOCE-1(0.5-1)-DUP	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)
					Date Sampled	11/09/2012	11/09/2012	11/09/2012	11/09/2012	11/09/2012
					Start Depth - End Depth	0.5 - 1	0.5 - 1	7 - 8	22 - 23	34 - 35
					Sample Purpose	FS	DUP	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil
2,6-Dichlorophenol	MG/KG					<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03			<0.0070	<0.0440	<0.0090	<0.0090	<0.0100
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02	4.70E-01		**0.4**	**0.0670 J**	**5.7000 L**	**0.035**	**0.0190 J**
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00			<0.1700 UL	<1.1000 UL	<0.2100 UL	<0.2100 UL	<0.2400 UL
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
2-Nitrophenol	MG/KG					<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
2-Picoline	MG/KG					<0.1000	<0.6300	<0.1300	<0.1200	<0.1400
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00			<0.1000	<0.6300	<0.1300	<0.1200	<0.1400
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01			<0.5200	<3.2000	<0.6400 UL	<0.6200	<0.7100
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
3-Nitroaniline	MG/KG					<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00			<0.1700	<1.1000	<0.2100	<0.2100	<0.2400
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01			<0.1700	<1.1000	<0.2100	<0.2100	<0.2400
4-Bromophenyl Phenyl Ether	MG/KG					<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01			<0.0170 UL	<0.1100 UL	<0.0210 UL	<0.0210 UL	<0.0240 UL
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
4-Nitrophenol	MG/KG					<0.1700	<1.1000	<0.2100	<0.2100	<0.2400
4-Nitroquinoline-N-Oxide	MG/KG					<0.3500	<2.1000	<0.4300 UL	<0.4200	<0.4700
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02			<0.1700	<1.1000	<0.2100	<0.2100	<0.2400
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
Acenaphthene	MG/KG	3.60E+02	4.50E+03	3.40E-02		**0.021**	<0.0210	**0.62**	**0.043**	<0.0050
Acenaphthylene	MG/KG	3.60E+02	4.50E+03	3.10E-01		**2.1**	**0.15**	**3.9000 J**	**0.098**	**0.0130 J**
Acetophenone	MG/KG	7.80E+02	1.20E+04			**0.038**	<0.1100	<0.0210	<0.0210	<0.0240
Aniline	MG/KG	4.40E+01	4.00E+02			<0.1700	<1.1000	<0.2100	<0.2100	<0.2400
Anthracene	MG/KG	1.80E+03	2.30E+04	4.40E-01		**2.8**	**0.0430 J**	**4.4000 J**	**0.18**	**0.0190 J**
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00	8.90E-01		**13**	**0.26**	**3.8000 J**	**0.16**	**0.0230 J**
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00	1.60E+00		**15**	**0.25**	**3.1000 J**	**0.13**	**0.025**
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03	6.10E-01		**6**	**0.0500 J**	**1.2000 L**	**0.064**	**0.0090 J**
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01	6.40E-01		**3.1**	**0.11**	**0.9600 L**	**0.046**	<0.0050
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01	6.90E-01		**8.7**	**0.12**	**2.5000 L**	**0.11**	<0.0050
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03			<0.1700	<1.1000	<0.2100	<0.2100	<0.2400

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28508382	28508383	28508384	28508385	28508386
					Sample Name	BEL-S-AOCE-1(0.5-1)	BEL-S-AOCE-1(0.5-1)-DUP	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)
					Date Sampled	11/09/2012	11/09/2012	11/09/2012	11/09/2012	11/09/2012
					Start Depth - End Depth	0.5 - 1	0.5 - 1	7 - 8	22 - 23	34 - 35
					Sample Purpose	FS	DUP	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG	4.90E+00	2.20E+01							
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01			<0.0350	<0.2100	<0.0430	<0.0420	<0.0470
Chrysene	MG/KG	1.60E+01	2.90E+02	1.50E+00		**11**	**0.25**	**2.6000 J**	**0.11**	**0.026**
Diallate	MG/KG	8.90E+00	3.80E+01			<0.0350	<0.2100	<0.0430	<0.0420	<0.0470
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01	2.00E-01		**2.4**	**0.0270 J**	**0.49**	**0.022**	<0.0050
Dibenzofuran	MG/KG	7.30E+00	1.00E+02			**0.35**	<0.1100	**3.9000 J**	**0.13**	<0.0240
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
Dimethoate	MG/KG	1.30E+00	1.60E+01			<0.1700	<1.1000	<0.2100	<0.2100	<0.2400
Dimethyl Phthalate	MG/KG					<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
Ethyl Methanesulfonate	MG/KG					<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
Famphur	MG/KG									
Fluoranthene	MG/KG	2.40E+02	3.00E+03	1.90E+00		**27**	**0.47**	**7.9**	**0.35**	**0.046**
Fluorene	MG/KG	2.40E+02	3.00E+03	8.50E-02		**0.24**	<0.0210	**5.1000 J**	**0.16**	**0.0150 J**
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01			<0.0030	<0.0210	<0.0040	<0.0040	<0.0050
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01			<0.1700	<1.1000	<0.2100	<0.2100	<0.2400
Hexachloroethane	MG/KG	1.80E+00	8.00E+00			<0.0350	<0.2100	<0.0430	<0.0420	<0.0470
Hexachlorophene	MG/KG	1.90E+00	2.50E+01							
Hexachloropropylene	MG/KG					<0.1000	<0.6300	<0.1300	<0.1200	<0.1400
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00	5.70E-01		**5.9**	**0.0500 J**	**1.1000 L**	**0.053**	**0.0100 J**
Isodrin	MG/KG					<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
Isophorone	MG/KG	5.70E+02	2.40E+03			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
Isosafrole	MG/KG					<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
Kepone	MG/KG	5.40E-02	2.30E-01							
Methapyrilene	MG/KG					<1.7000	<11.0000	<2.1000 UL	<2.1000	<2.4000
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01			<0.0350	<0.2100	<0.0430 UL	<0.0420	<0.0470
Naphthalene	MG/KG	3.80E+00	1.70E+01	1.20E+00		**0.6**	**0.2**	**14**	**0.13**	**0.026**
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
Nitrobenzene	MG/KG	5.10E+00	2.20E+01			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28508382	28508383	28508384	28508385	28508386
					Sample Name	BEL-S-AOCE-1(0.5-1)	BEL-S-AOCE-1(0.5-1)-DUP	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)
					Date Sampled	11/09/2012	11/09/2012	11/09/2012	11/09/2012	11/09/2012
					Start Depth - End Depth	0.5 - 1	0.5 - 1	7 - 8	22 - 23	34 - 35
					Sample Purpose	FS	DUP	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
O,O,O-Triethylphosphorothioate	MG/KG					<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
O-Toluidine	MG/KG					<0.2100 UL	<1.3000 UL	<0.2600 UL	<0.2500 UL	<0.2800 UL
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04			<12.0000	<74.0000	<15.0000	<15.0000	<17.0000
Parathion	MG/KG	3.80E+01	4.90E+02							
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00			<0.0350	<0.2100	<0.0430	<0.0420	<0.0470
Phenacetin	MG/KG	2.50E+02	1.00E+03			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
Phenanthrene	MG/KG	1.80E+03	2.30E+04	8.70E-01		**7**	**0.14**	**14**	**0.56**	**0.055**
Phenol	MG/KG	1.90E+03	2.50E+04			<0.0170	<0.1100	<0.0210	<0.0210	<0.0240
Pronamide	MG/KG	4.70E+02	6.20E+03			<0.0350	<0.2100	<0.0430	<0.0420	<0.0470
Pyrene	MG/KG	1.80E+02	2.30E+03	1.50E+00		**20**	**0.4**	**6.3000 L**	**0.27**	**0.046**
Pyridine	MG/KG	7.80E+00	1.20E+02			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
Safrole	MG/KG	5.50E-01	1.00E+01			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01			<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
Thionazin	MG/KG					<0.0700	<0.4200	<0.0860	<0.0830	<0.0950
Pesticides and PCBs										
4,4'-DDD	MG/KG	2.30E+00	9.60E+00							
4,4'-DDE	MG/KG	2.00E+00	9.30E+00							
4,4'-DDT	MG/KG	1.90E+00	8.50E+00							
Aldrin	MG/KG	3.90E-02	1.80E-01							
Alpha-BHC	MG/KG	8.60E-02	3.60E-01							
beta-BHC	MG/KG	3.00E-01	1.30E+00							
Chlordane	MG/KG									
delta-BHC	MG/KG									
Dieldrin	MG/KG	3.40E-02	1.40E-01							
Disulfoton	MG/KG	2.50E-01	3.30E+00							
Endosulfan I	MG/KG	4.70E+01	7.00E+02							
Endosulfan II	MG/KG	4.70E+01	7.00E+02							
Endosulfan Sulfate	MG/KG	4.70E+01	7.00E+02							
Endrin	MG/KG	1.90E+00	2.50E+01							
Endrin Aldehyde	MG/KG	1.90E+00	2.50E+01							
Heptachlor	MG/KG	1.30E-01	6.30E-01							
Heptachlor Epoxide	MG/KG	7.00E-02	3.30E-01							

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28508382	28508383	28508384	28508385	28508386
					Sample Name	BEL-S-AOCE-1(0.5-1)	BEL-S-AOCE-1(0.5-1)-DUP	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)
					Date Sampled	11/09/2012	11/09/2012	11/09/2012	11/09/2012	11/09/2012
					Start Depth - End Depth	0.5 - 1	0.5 - 1	7 - 8	22 - 23	34 - 35
					Sample Purpose	FS	DUP	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil
Lindane	MG/KG	5.70E-01	2.50E+00							
Methoxychlor	MG/KG	3.20E+01	4.10E+02							
Methyl Parathion	MG/KG	1.60E+00	2.10E+01							
Phorate	MG/KG	1.30E+00	1.60E+01							
Toxaphene	MG/KG	4.90E-01	2.10E+00							
PCB 1016	MG/KG	4.10E-01	5.10E+00							
PCB 1221	MG/KG	1.70E-01	7.20E-01							
PCB 1232	MG/KG	1.70E-01	7.20E-01							
PCB 1242	MG/KG	2.30E-01	9.70E-01							
PCB 1248	MG/KG	2.30E-01	9.40E-01							
PCB 1254	MG/KG	1.20E-01	9.70E-01							
PCB 1260	MG/KG	2.40E-01	9.90E-01							
2,4,5-T	MG/KG	6.30E+01	8.20E+02							
2,4-Dichlorophenoxyacetic Acid	MG/KG	7.00E+01	9.60E+02							
Dinoseb	MG/KG	6.30E+00	8.20E+01							
Silvex	MG/KG	5.10E+01	6.60E+02							
Inorganics										
Antimony	MG/KG	3.10E+00	4.70E+01	1.43E+00		**9.05**	**0.624**	<0.0840	**0.0913 J**	**0.113 J**
Arsenic	MG/KG	6.80E-01	3.00E+00	2.20E+01		**15.9**	**3.1**	**5.25**	**2.15**	**5.35**
Barium	MG/KG	1.50E+03	2.20E+04	2.62E+02		**87.7**	**45.4**	**184**	**129**	**135**
Beryllium	MG/KG	1.60E+01	2.30E+02	2.23E+00		**0.594**	**0.389 J**	**1.37**	**0.93**	**1.11**
Cadmium	MG/KG	7.10E+00	9.80E+01	1.37E+00		**0.280 J**	**0.112 J**	**0.157 J**	**0.176 J**	**0.471 J**
Calcium	MG/KG									
Chromium	MG/KG	1.20E+04	1.80E+05	4.40E+01		**17.7 K**	**2.83 K**	**26.2 K**	**20.8 K**	**19.0 K**
Cobalt	MG/KG	2.30E+00	3.50E+01	2.23E+01		**6.25**	**1.75**	**10.3**	**8.21**	**14.5**
Copper	MG/KG	3.10E+02	4.70E+03	8.86E+01		**94.9**	**14.5**	**16.5**	**16.6**	**16**
Iron	MG/KG	5.50E+03	8.20E+04							
Lead	MG/KG	4.00E+02	8.00E+02	1.06E+02		**118**	**6.58**	**19**	**16.3**	**14.1**
Magnesium	MG/KG									
Mercury	MG/KG	2.30E+00	3.50E+01	4.14E+00		**0.561**	**0.314**	**0.0249 J**	**0.0377 J**	**0.0251 J**
Nickel	MG/KG	1.50E+02	2.20E+03	2.59E+01		**12.5**	**3.26**	**25.4**	**17.7**	**25.5**
Potassium	MG/KG									
Selenium	MG/KG	3.90E+01	5.80E+02	2.19E+00		**2.97**	**0.819**	**0.623**	**0.947**	**0.518 J**
Silver	MG/KG	3.90E+01	5.80E+02			**0.854**	<0.148	<0.178	<0.171	<0.191
Sodium	MG/KG									
Thallium	MG/KG	7.80E-02	1.20E+00	4.09E-01		**0.13**	**0.0830 J**	**0.254**	**0.211**	**0.204**
Tin	MG/KG	4.70E+03	7.00E+04			**5.85 B**	**2.12 B**	**2.91 B**	**2.70 B**	**2.85 B**
Vanadium	MG/KG	3.90E+01	5.80E+02	6.74E+01		**10.9**	**3.57**	**35.9**	**27.4**	**27.3**
Zinc	MG/KG	2.30E+03	3.50E+04	1.33E+02		**28.7**	**8.63**	**84.5**	**60.9**	**78.9**

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28508382	28508383	28508384	28508385	28508386
					Sample Name	BEL-S-AOCE-1(0.5-1)	BEL-S-AOCE-1(0.5-1)-DUP	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)
					Date Sampled	11/09/2012	11/09/2012	11/09/2012	11/09/2012	11/09/2012
					Start Depth - End Depth	0.5 - 1	0.5 - 1	7 - 8	22 - 23	34 - 35
					Sample Purpose	FS	DUP	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil
Miscellaneous										
Total Organic Carbon	MG/KG									
Ammonia	MG/KG									
Cyanide	MG/KG	2.70E-01	1.20E+00							
Percent Moisture	%					**4.4**	**5.1**	**22.2**	**19.7**	**29.5**
Percent Moisture	% BY WT.									
Ph	STD UNITS									
Specific Conductance	UMHOS/CM									
Sulfide	MG/KG									

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-5}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

(2) Site-specific historical fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the industrial SL and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
					Sample Name				
					Date Sampled	05/23/2013	05/22/2013	05/22/2013	05/23/2013
					Start Depth - End Depth	34 - 35	7 - 8	7 - 8	7 - 8
					Sample Purpose	FS	FS	DUP	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00			<0.0010	<0.0010		
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03			<0.0010	<0.0010		
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00			<0.0010	<0.0010		
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01			<0.0010	<0.0010		
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01			<0.0010	<0.0010		
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02			<0.0010	<0.0010		
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01			<0.0010	<0.0010		
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02			<0.0020	<0.0020		
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01			<0.0010	<0.0010		
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02			<0.0010	<0.0010	<0.0210	
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00			<0.0010	<0.0010		
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00			<0.0010	<0.0010		
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010	<0.0210	
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01			<0.0010	<0.0010	<0.0210	
2-Hexanone	MG/KG	2.00E+01	1.30E+02			<0.0030	<0.0030		
Acetone	MG/KG	6.10E+03	6.70E+04			**0.0470**	**0.0290**		
Acetonitrile	MG/KG	8.10E+01	3.40E+02			<0.0280	<0.0270		
Acrolein	MG/KG	1.40E-02	6.00E-02			<0.0220	<0.0210		
Acrylonitrile	MG/KG	2.50E-01	1.10E+00			<0.0040	<0.0040		
Allyl Chloride	MG/KG	1.70E-01	6.90E-01			<0.0010	<0.0010		
Benzene	MG/KG	1.20E+00	5.10E+00			<0.00060	<0.00050		
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00			<0.0010	<0.0010		
Bromoform	MG/KG	1.90E+01	8.60E+01			<0.0010	<0.0010		
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02			<0.0010	<0.0010		
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00			<0.0010	<0.0010		
Chlorobenzene	MG/KG	2.80E+01	1.30E+02			<0.0010	<0.0010		
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00			<0.0010	<0.0010		
Chloroform	MG/KG	3.20E-01	1.40E+00			<0.0010	<0.0010		
Chloroprene	MG/KG	1.00E-02	4.40E-02			<0.0010	<0.0010		
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02			<0.0010	<0.0010		
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010		
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01			<0.0020	<0.0020		
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03			<0.0020	<0.0020		
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02			<0.0010	<0.0010		
Ethylbenzene	MG/KG	5.80E+00	2.50E+01			<0.0010	<0.0010		
Formaldehyde	MG/KG	1.70E+01	7.30E+01			**46**	**19**	**23**	**20**
Iodomethane	MG/KG					<0.0030	<0.0030		
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04			<0.1100	<0.1100		

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
					Sample Name				
					Date Sampled	05/23/2013	05/22/2013	05/22/2013	05/23/2013
					Start Depth - End Depth	34 - 35	7 - 8	7 - 8	7 - 8
					Sample Purpose	FS	FS	DUP	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01			<0.0060	<0.0050		
Methyl Bromide	MG/KG	6.80E-01	3.00E+00			<0.0020	<0.0020		
Methyl Chloride	MG/KG	1.10E+01	4.60E+01			<0.0020	<0.0020		
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04			**0.0080 J**	**0.0040 J**		
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03			<0.0030	<0.0030		
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03			<0.0010	<0.0010		
Methyl Tertiary Butyl Ether	MG/KG	4.70E+01	2.10E+02						
Methylene Bromide	MG/KG	2.30E+00	9.80E+00			<0.0010	<0.0010		
Methylene Chloride	MG/KG	3.50E+01	3.20E+02			<0.0020	<0.0020		
Pentachloroethane	MG/KG	7.70E+00	3.60E+01			<0.0010	<0.0010		
Propionitrile	MG/KG					<0.0340	<0.0320		
Styrene	MG/KG	6.00E+02	3.50E+03			<0.0010	<0.0010		
Tertiary Butyl Alcohol	MG/KG								
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01			<0.0010	<0.0010		
Toluene	MG/KG	4.90E+02	4.70E+03			<0.0010	<0.0010		
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03			<0.0010	<0.0010		
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010		
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02			<0.0110	<0.0110		
Trichloroethene	MG/KG	4.10E-01	1.90E+00			<0.0010	<0.0010		
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02			<0.0020	<0.0020		
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02			<0.0020	<0.0020		
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00			<0.0010	<0.0010		
Xylenes	MG/KG	6.50E+01	2.80E+02			<0.0010	<0.0010		
Semi-Volatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01			<0.0220	<0.0220	<0.0210	
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01			<0.0220	<0.0220	<0.0210	
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03			<0.2200	<0.2200	<0.2100	
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00			<0.0880	<0.0880	<0.0820	
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01			<0.1300	<0.1300	<0.1200	
1,4-Naphthoquinone	MG/KG					<1.1000	<1.1000	<1.0000	
1-Methylnaphthalene	MG/KG	1.80E+01	7.30E+01	3.50E-01					
1-Naphthylamine	MG/KG					<0.2200	<0.2200	<0.2100	
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03			<0.0880	<0.0880	<0.0820	
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03			<0.0220	<0.0220	<0.0210	
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01			<0.0220	<0.0220	<0.0210	
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02			<0.0220	<0.0220	<0.0210	
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03			<0.0220	<0.0220	<0.0210	
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02			<0.4000	<0.4000	<0.3700	
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00			<0.0880	<0.0880	<0.0820	

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
					Sample Name				
					Date Sampled	05/23/2013	05/22/2013	05/22/2013	05/23/2013
					Start Depth - End Depth	34 - 35	7 - 8	7 - 8	7 - 8
					Sample Purpose	FS	FS	DUP	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
2,6-Dichlorophenol	MG/KG					<0.0220	<0.0220	<0.0210	
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00			<0.0220	<0.0220	<0.0210	
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01			<0.0880	<0.0880	<0.0820	
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03			<0.0090	<0.0090	<0.0090	
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02			<0.0220	<0.0220	<0.0210	
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02	4.70E-01		**0.0050 J**	**0.026**	**0.0110 J**	
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03			<0.0220	<0.0220	<0.0210	
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00			<0.2200	<0.2200	<0.2100	
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02			<0.0220	<0.0220	<0.0210	
2-Nitrophenol	MG/KG					<0.0220	<0.0220	<0.0210	
2-Picoline	MG/KG					<0.1300	<0.1300	<0.1200	
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00			<0.1300	<0.1300	<0.1200	
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01			<0.6600	<0.6600	<0.6200	
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01			<0.0220	<0.0220	<0.0210	
3-Nitroaniline	MG/KG					<0.0880	<0.0880	<0.0820	
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00			<0.2200	<0.2200	<0.2100	
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01			<0.2200	<0.2200	<0.2100	
4-Bromophenyl Phenyl Ether	MG/KG					<0.0220	<0.0220	<0.0210	
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03			<0.0220	<0.0220	<0.0210	
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01			<0.0220	<0.0220	<0.0210	
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0220	<0.0220	<0.0210	
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01			<0.0880	<0.0880	<0.0820	
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03			<0.0220	**0.093**	<0.0210	
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02			<0.0880	<0.0880	<0.0820	
4-Nitrophenol	MG/KG					<0.2200	<0.2200	<0.2100	
4-Nitroquinoline-N-Oxide	MG/KG					<0.4400	<0.4400	<0.4100	
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02			<0.2200	<0.2200	<0.2100	
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03			<0.0220	<0.0220	<0.0210	
Acenaphthene	MG/KG	3.60E+02	4.50E+03	3.40E-02		<0.0040	<0.0040	**0.0040 J**	
Acenaphthylene	MG/KG	3.60E+02	4.50E+03	3.10E-01		<0.0040	<0.0040	<0.0040	
Acetophenone	MG/KG	7.80E+02	1.20E+04			<0.0220	<0.0220	<0.0210	
Aniline	MG/KG	4.40E+01	4.00E+02			<0.2200	<0.2200	<0.2100	
Anthracene	MG/KG	1.80E+03	2.30E+04	4.40E-01		**0.0050 J**	<0.0040	**0.0070 J**	
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00	8.90E-01		**0.0060 J**	<0.0040	**0.0070 J**	
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00	1.60E+00		**0.0070 J**	**0.0140 J**	**0.0080 J**	
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03	6.10E-01		<0.0040	**0.0110 J**	<0.0040	
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01	6.40E-01		<0.0040	**0.0060 J**	**0.0050 J**	
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01	6.90E-01		<0.0040	<0.0040	<0.0040	
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03			<0.2200	<0.2200	<0.2100	

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
					Sample Name				
					Date Sampled	05/23/2013	05/22/2013	05/22/2013	05/23/2013
					Start Depth - End Depth	34 - 35	7 - 8	7 - 8	7 - 8
					Sample Purpose	FS	FS	DUP	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG	4.90E+00	2.20E+01						
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02			<0.0220	<0.0220	<0.0210	
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00			<0.0220	<0.0220	<0.0210	
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0220	<0.0220	<0.0210	
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02			<0.0880	<0.0880	<0.0820	
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03			<0.0880	<0.0880	<0.0820	
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01			<0.0440	<0.0440	<0.0410	
Chrysene	MG/KG	1.60E+01	2.90E+02	1.50E+00		**0.0080 J**	**0.0170 J**	**0.0110 J**	
Diallate	MG/KG	8.90E+00	3.80E+01			<0.0440	<0.0440	<0.0410	
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01	2.00E-01		<0.0040	<0.0040	<0.0040	
Dibenzofuran	MG/KG	7.30E+00	1.00E+02			<0.0220	<0.0220	<0.0210	
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04			<0.0880	<0.0880	<0.0820	
Dimethoate	MG/KG	1.30E+00	1.60E+01			<0.2200	<0.2200	<0.2100	
Dimethyl Phthalate	MG/KG					<0.0880	<0.0880	<0.0820	
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03			<0.0880	<0.0880	<0.0820	
Ethyl Methanesulfonate	MG/KG					<0.0880	<0.0880	<0.0820	
Famphur	MG/KG								
Fluoranthene	MG/KG	2.40E+02	3.00E+03	1.90E+00		**0.0090 J**	**0.0190 J**	**0.0110 J**	
Fluorene	MG/KG	2.40E+02	3.00E+03	8.50E-02		**0.0050 J**	<0.0040	**0.0070 J**	
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01			<0.0040	<0.0040	**0.0070 J**	
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00			<0.0220	<0.0220	<0.0210	
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01			<0.2200	<0.2200	<0.2100	
Hexachloroethane	MG/KG	1.80E+00	8.00E+00			<0.0440	<0.0440	<0.0410	
Hexachlorophene	MG/KG	1.90E+00	2.50E+01						
Hexachloropropylene	MG/KG					<0.1300	<0.1300	<0.1200	
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00	5.70E-01		<0.0040	<0.0040	<0.0040	
Isodrin	MG/KG					<0.0220	<0.0220	<0.0210	
Isophorone	MG/KG	5.70E+02	2.40E+03			<0.0220	<0.0220	<0.0210	
Isosafrole	MG/KG					<0.0880	<0.0880	<0.0820	
Kepone	MG/KG	5.40E-02	2.30E-01						
Methapyrilene	MG/KG					<2.2000	<2.2000	<2.1000	
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01			<0.0440	<0.0440	<0.0410	
Naphthalene	MG/KG	3.80E+00	1.70E+01	1.20E+00		**0.0080 J**	**0.03**	**0.0150 J**	
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02			<0.0880	<0.0880	<0.0820	
Nitrobenzene	MG/KG	5.10E+00	2.20E+01			<0.0220	<0.0220	<0.0210	
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02			<0.0880	<0.0880	<0.0820	
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02			<0.0220	<0.0220	<0.0210	
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02			<0.0880	<0.0880	<0.0820	
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01			<0.0880	<0.0880	<0.0820	

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
					Sample Name				
					Date Sampled	05/23/2013	05/22/2013	05/22/2013	05/23/2013
					Start Depth - End Depth	34 - 35	7 - 8	7 - 8	7 - 8
					Sample Purpose	FS	FS	DUP	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01			<0.0220	<0.0220	<0.0210	
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02			<0.0220	<0.0220	<0.0210	
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01			<0.0880	<0.0880	<0.0820	
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01			<0.0220	<0.0220	<0.0210	
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00			<0.0220	<0.0220	<0.0210	
O,O,O-Triethylphosphorothioate	MG/KG					<0.0880	<0.0880	<0.0820	
O-Toluidine	MG/KG					<0.2600	<0.2600	<0.2500	
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04			<15.0000	<15.0000	<14.0000	
Parathion	MG/KG	3.80E+01	4.90E+02						
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01			<0.0220	<0.0220	<0.0210	
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01			<0.0880	<0.0880	<0.0820	
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00			<0.0440	<0.0440	<0.0410	
Phenacetin	MG/KG	2.50E+02	1.00E+03			<0.0880	<0.0880	<0.0820	
Phenanthrene	MG/KG	1.80E+03	2.30E+04	8.70E-01		**0.0190 J**	**0.026**	**0.021**	
Phenol	MG/KG	1.90E+03	2.50E+04			<0.0220	<0.0220	<0.0210	
Pronamide	MG/KG	4.70E+02	6.20E+03			<0.0440	<0.0440	<0.0410	
Pyrene	MG/KG	1.80E+02	2.30E+03	1.50E+00		**0.0090 J**	**0.0150 J**	**0.0120 J**	
Pyridine	MG/KG	7.80E+00	1.20E+02			<0.0880	<0.0880	<0.0820	
Safrole	MG/KG	5.50E-01	1.00E+01			<0.0880	<0.0880	<0.0820	
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01			<0.0880	<0.0880	<0.0820	
Thionazin	MG/KG					<0.0880	<0.0880	<0.0820	
Pesticides and PCBs									
4,4'-DDD	MG/KG	2.30E+00	9.60E+00						
4,4'-DDE	MG/KG	2.00E+00	9.30E+00						
4,4'-DDT	MG/KG	1.90E+00	8.50E+00						
Aldrin	MG/KG	3.90E-02	1.80E-01						
Alpha-BHC	MG/KG	8.60E-02	3.60E-01						
beta-BHC	MG/KG	3.00E-01	1.30E+00						
Chlordane	MG/KG								
delta-BHC	MG/KG								
Dieldrin	MG/KG	3.40E-02	1.40E-01						
Disulfoton	MG/KG	2.50E-01	3.30E+00						
Endosulfan I	MG/KG	4.70E+01	7.00E+02						
Endosulfan II	MG/KG	4.70E+01	7.00E+02						
Endosulfan Sulfate	MG/KG	4.70E+01	7.00E+02						
Endrin	MG/KG	1.90E+00	2.50E+01						
Endrin Aldehyde	MG/KG	1.90E+00	2.50E+01						
Heptachlor	MG/KG	1.30E-01	6.30E-01						
Heptachlor Epoxide	MG/KG	7.00E-02	3.30E-01						

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
					Sample Name				
					Date Sampled	05/23/2013	05/22/2013	05/22/2013	05/23/2013
					Start Depth - End Depth	34 - 35	7 - 8	7 - 8	7 - 8
					Sample Purpose	FS	FS	DUP	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
Lindane	MG/KG	5.70E-01	2.50E+00						
Methoxychlor	MG/KG	3.20E+01	4.10E+02						
Methyl Parathion	MG/KG	1.60E+00	2.10E+01						
Phorate	MG/KG	1.30E+00	1.60E+01						
Toxaphene	MG/KG	4.90E-01	2.10E+00						
PCB 1016	MG/KG	4.10E-01	5.10E+00						
PCB 1221	MG/KG	1.70E-01	7.20E-01						
PCB 1232	MG/KG	1.70E-01	7.20E-01						
PCB 1242	MG/KG	2.30E-01	9.70E-01						
PCB 1248	MG/KG	2.30E-01	9.40E-01						
PCB 1254	MG/KG	1.20E-01	9.70E-01						
PCB 1260	MG/KG	2.40E-01	9.90E-01						
2,4,5-T	MG/KG	6.30E+01	8.20E+02						
2,4-Dichlorophenoxyacetic Acid	MG/KG	7.00E+01	9.60E+02						
Dinoseb	MG/KG	6.30E+00	8.20E+01						
Silvex	MG/KG	5.10E+01	6.60E+02						
Inorganics									
Antimony	MG/KG	3.10E+00	4.70E+01	1.43E+00					
Arsenic	MG/KG	6.80E-01	3.00E+00	2.20E+01					
Barium	MG/KG	1.50E+03	2.20E+04	2.62E+02					
Beryllium	MG/KG	1.60E+01	2.30E+02	2.23E+00					
Cadmium	MG/KG	7.10E+00	9.80E+01	1.37E+00					
Calcium	MG/KG								**2650 J**
Chromium	MG/KG	1.20E+04	1.80E+05	4.40E+01					
Cobalt	MG/KG	2.30E+00	3.50E+01	2.23E+01					
Copper	MG/KG	3.10E+02	4.70E+03	8.86E+01					
Iron	MG/KG	5.50E+03	8.20E+04						**22900 J**
Lead	MG/KG	4.00E+02	8.00E+02	1.06E+02					
Magnesium	MG/KG								**2440**
Mercury	MG/KG	2.30E+00	3.50E+01	4.14E+00					
Nickel	MG/KG	1.50E+02	2.20E+03	2.59E+01					
Potassium	MG/KG								**1780 J**
Selenium	MG/KG	3.90E+01	5.80E+02	2.19E+00					
Silver	MG/KG	3.90E+01	5.80E+02						
Sodium	MG/KG								**467**
Thallium	MG/KG	7.80E-02	1.20E+00	4.09E-01					
Tin	MG/KG	4.70E+03	7.00E+04						
Vanadium	MG/KG	3.90E+01	5.80E+02	6.74E+01					
Zinc	MG/KG	2.30E+03	3.50E+04	1.33E+02					

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
					Sample Name				
					Date Sampled	05/23/2013	05/22/2013	05/22/2013	05/23/2013
					Start Depth - End Depth	34 - 35	7 - 8	7 - 8	7 - 8
					Sample Purpose	FS	FS	DUP	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
Miscellaneous									
Total Organic Carbon	MG/KG					**6950**	**10000 J**	**4240 J**	
Ammonia	MG/KG					**165**	**243 J**	<62.7	**178**
Cyanide	MG/KG	2.70E-01	1.20E+00						
Percent Moisture	%					**24.4**	**24.2 J**	**18.7 J**	**26.4**
Percent Moisture	% BY WT.								
Ph	STD UNITS								**5.46 J**
Specific Conductance	UMHOS/CM								**442**
Sulfide	MG/KG								

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

(2) Site-specific historical fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the industrial SL and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5
					Sample Name					
					Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013
					Start Depth - End Depth	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00							
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03							
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00							
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01							
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01							
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02							
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01							
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02							
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01							
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02							
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00							
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00							
1,3-Dichlorobenzene	MG/KG									
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01							
2-Hexanone	MG/KG	2.00E+01	1.30E+02							
Acetone	MG/KG	6.10E+03	6.70E+04							
Acetonitrile	MG/KG	8.10E+01	3.40E+02							
Acrolein	MG/KG	1.40E-02	6.00E-02							
Acrylonitrile	MG/KG	2.50E-01	1.10E+00							
Allyl Chloride	MG/KG	1.70E-01	6.90E-01							
Benzene	MG/KG	1.20E+00	5.10E+00							
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00							
Bromoform	MG/KG	1.90E+01	8.60E+01							
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02							
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00							
Chlorobenzene	MG/KG	2.80E+01	1.30E+02							
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00							
Chloroform	MG/KG	3.20E-01	1.40E+00							
Chloroprene	MG/KG	1.00E-02	4.40E-02							
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02							
cis-1,3-Dichloropropene	MG/KG									
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01							
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03							
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02							
Ethylbenzene	MG/KG	5.80E+00	2.50E+01							
Formaldehyde	MG/KG	1.70E+01	7.30E+01							
Iodomethane	MG/KG									
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04							

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		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5
					Sample Name					
					Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013
					Start Depth - End Depth	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01							
Methyl Bromide	MG/KG	6.80E-01	3.00E+00							
Methyl Chloride	MG/KG	1.10E+01	4.60E+01							
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04							
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03							
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03							
Methyl Tertiary Butyl Ether	MG/KG	4.70E+01	2.10E+02							
Methylene Bromide	MG/KG	2.30E+00	9.80E+00							
Methylene Chloride	MG/KG	3.50E+01	3.20E+02							
Pentachloroethane	MG/KG	7.70E+00	3.60E+01							
Propionitrile	MG/KG									
Styrene	MG/KG	6.00E+02	3.50E+03							
Tertiary Butyl Alcohol	MG/KG									
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01							
Toluene	MG/KG	4.90E+02	4.70E+03							
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03							
trans-1,3-Dichloropropene	MG/KG									
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02							
Trichloroethene	MG/KG	4.10E-01	1.90E+00							
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02							
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02							
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00							
Xylenes	MG/KG	6.50E+01	2.80E+02							
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01							
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01							
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03							
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00							
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01							
1,4-Naphthoquinone	MG/KG									
1-Methylnaphthalene	MG/KG	1.80E+01	7.30E+01	3.50E-01		**4.2**	**250**	**1.6**	**3.3**	**0.2600 J**
1-Naphthylamine	MG/KG									
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03							
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03							
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01							
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02							
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03							
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02							
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00							

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		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5
					Sample Name					
					Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013
					Start Depth - End Depth	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill
2,6-Dichlorophenol	MG/KG									
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00							
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01							
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03							
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02							
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02	4.70E-01		**5.3**	**470**	**2.9**	**2.8**	<0.1800
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03							
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00							
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02							
2-Nitrophenol	MG/KG									
2-Picoline	MG/KG									
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00							
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01							
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01							
3-Nitroaniline	MG/KG									
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00							
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01							
4-Bromophenyl Phenyl Ether	MG/KG									
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03							
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01							
4-Chlorophenyl Phenyl Ether	MG/KG									
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01							
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03							
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02							
4-Nitrophenol	MG/KG									
4-Nitroquinoline-N-Oxide	MG/KG									
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02							
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03							
Acenaphthene	MG/KG	3.60E+02	4.50E+03	3.40E-02		<0.1800	**69**	**0.2700 J**	**2.6**	<0.1800
Acenaphthylene	MG/KG	3.60E+02	4.50E+03	3.10E-01		**0.2400 J**	**230**	**1.3**	**1.7**	<0.1800
Acetophenone	MG/KG	7.80E+02	1.20E+04							
Aniline	MG/KG	4.40E+01	4.00E+02							
Anthracene	MG/KG	1.80E+03	2.30E+04	4.40E-01		**0.3500 J**	**280**	**1.5**	**1.5**	**0.2100 J**
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00	8.90E-01		**0.6500 J**	**220**	**1.1**	**0.032**	**0.3500 J**
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00	1.60E+00		**1**	**170**	**1.1**	**0.04**	**0.99**
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03	6.10E-01		**0.8700 J**	**72**	**0.6100 J**	**0.0210 J**	**0.7900 J**
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01	6.40E-01		**0.4600 J**	**81**	**0.3900 J**	**0.0170 J**	**0.3100 J**
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01	6.90E-01		**0.6500 J**	**170**	**0.91**	**0.024**	**0.5200 J**
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03							

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					Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5
					Sample Name					
					Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013
					Start Depth - End Depth	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Fill	Fill	Fill	Fill
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG	4.90E+00	2.20E+01							
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02							
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00							
Bis(2-Chloroisopropyl)Ether	MG/KG									
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02							
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03							
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01							
Chrysene	MG/KG	1.60E+01	2.90E+02	1.50E+00		**0.95**	**180**	**0.97**	**0.034**	**0.5600 J**
Diallate	MG/KG	8.90E+00	3.80E+01							
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01	2.00E-01		**0.2800 J**	**25**	<0.1700	**0.0100 J**	**0.3900 J**
Dibenzofuran	MG/KG	7.30E+00	1.00E+02							
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04							
Dimethoate	MG/KG	1.30E+00	1.60E+01							
Dimethyl Phthalate	MG/KG									
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03							
Ethyl Methanesulfonate	MG/KG									
Famphur	MG/KG									
Fluoranthene	MG/KG	2.40E+02	3.00E+03	1.90E+00		**0.8400 J**	**460**	**2.4**	**0.75**	**0.5700 J**
Fluorene	MG/KG	2.40E+02	3.00E+03	8.50E-02		<0.1800	**320**	**1.7**	**3.1**	<0.1800
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01							
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00							
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01							
Hexachloroethane	MG/KG	1.80E+00	8.00E+00							
Hexachlorophene	MG/KG	1.90E+00	2.50E+01							
Hexachloropropylene	MG/KG									
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00	5.70E-01		**0.7200 J**	**64**	**0.5200 J**	**0.0180 J**	**0.5400 J**
Isodrin	MG/KG									
Isophorone	MG/KG	5.70E+02	2.40E+03							
Isosafrole	MG/KG									
Kepone	MG/KG	5.40E-02	2.30E-01							
Methapyrilene	MG/KG									
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01							
Naphthalene	MG/KG	3.80E+00	1.70E+01	1.20E+00		**3.8**	**1600**	**8.6**	**18**	**0.3300 J**
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02							
Nitrobenzene	MG/KG	5.10E+00	2.20E+01							
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02							
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02							
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02							
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01							

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1-1	AOCE-1-1	AOCE-1-2	AOCE-1-2	AOCE-1-3
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5
					Sample Name					
					Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013
					Start Depth - End Depth	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01							
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02							
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01							
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01							
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00							
O,O,O-Triethylphosphorothioate	MG/KG									
O-Toluidine	MG/KG									
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04							
Parathion	MG/KG	3.80E+01	4.90E+02							
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01							
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01							
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00							
Phenacetin	MG/KG	2.50E+02	1.00E+03							
Phenanthrene	MG/KG	1.80E+03	2.30E+04	8.70E-01		**2.6**	**910**	**5**	**8.3**	**0.5600 J**
Phenol	MG/KG	1.90E+03	2.50E+04							
Pronamide	MG/KG	4.70E+02	6.20E+03							
Pyrene	MG/KG	1.80E+02	2.30E+03	1.50E+00		**1**	**380**	**2.2**	**0.53**	**0.5100 J**
Pyridine	MG/KG	7.80E+00	1.20E+02							
Safrole	MG/KG	5.50E-01	1.00E+01							
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01							
Thionazin	MG/KG									
Pesticides and PCBs										
4,4'-DDD	MG/KG	2.30E+00	9.60E+00							
4,4'-DDE	MG/KG	2.00E+00	9.30E+00							
4,4'-DDT	MG/KG	1.90E+00	8.50E+00							
Aldrin	MG/KG	3.90E-02	1.80E-01							
Alpha-BHC	MG/KG	8.60E-02	3.60E-01							
beta-BHC	MG/KG	3.00E-01	1.30E+00							
Chlordane	MG/KG									
delta-BHC	MG/KG									
Dieldrin	MG/KG	3.40E-02	1.40E-01							
Disulfoton	MG/KG	2.50E-01	3.30E+00							
Endosulfan I	MG/KG	4.70E+01	7.00E+02							
Endosulfan II	MG/KG	4.70E+01	7.00E+02							
Endosulfan Sulfate	MG/KG	4.70E+01	7.00E+02							
Endrin	MG/KG	1.90E+00	2.50E+01							
Endrin Aldehyde	MG/KG	1.90E+00	2.50E+01							
Heptachlor	MG/KG	1.30E-01	6.30E-01							
Heptachlor Epoxide	MG/KG	7.00E-02	3.30E-01							

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		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5
					Sample Name					
					Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013
					Start Depth - End Depth	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill
Lindane	MG/KG	5.70E-01	2.50E+00							
Methoxychlor	MG/KG	3.20E+01	4.10E+02							
Methyl Parathion	MG/KG	1.60E+00	2.10E+01							
Phorate	MG/KG	1.30E+00	1.60E+01							
Toxaphene	MG/KG	4.90E-01	2.10E+00							
PCB 1016	MG/KG	4.10E-01	5.10E+00							
PCB 1221	MG/KG	1.70E-01	7.20E-01							
PCB 1232	MG/KG	1.70E-01	7.20E-01							
PCB 1242	MG/KG	2.30E-01	9.70E-01							
PCB 1248	MG/KG	2.30E-01	9.40E-01							
PCB 1254	MG/KG	1.20E-01	9.70E-01							
PCB 1260	MG/KG	2.40E-01	9.90E-01							
2,4,5-T	MG/KG	6.30E+01	8.20E+02							
2,4-Dichlorophenoxyacetic Acid	MG/KG	7.00E+01	9.60E+02							
Dinoseb	MG/KG	6.30E+00	8.20E+01							
Silvex	MG/KG	5.10E+01	6.60E+02							
Inorganics										
Antimony	MG/KG	3.10E+00	4.70E+01	1.43E+00						
Arsenic	MG/KG	6.80E-01	3.00E+00	2.20E+01						
Barium	MG/KG	1.50E+03	2.20E+04	2.62E+02						
Beryllium	MG/KG	1.60E+01	2.30E+02	2.23E+00						
Cadmium	MG/KG	7.10E+00	9.80E+01	1.37E+00						
Calcium	MG/KG									
Chromium	MG/KG	1.20E+04	1.80E+05	4.40E+01						
Cobalt	MG/KG	2.30E+00	3.50E+01	2.23E+01						
Copper	MG/KG	3.10E+02	4.70E+03	8.86E+01						
Iron	MG/KG	5.50E+03	8.20E+04							
Lead	MG/KG	4.00E+02	8.00E+02	1.06E+02						
Magnesium	MG/KG									
Mercury	MG/KG	2.30E+00	3.50E+01	4.14E+00						
Nickel	MG/KG	1.50E+02	2.20E+03	2.59E+01						
Potassium	MG/KG									
Selenium	MG/KG	3.90E+01	5.80E+02	2.19E+00						
Silver	MG/KG	3.90E+01	5.80E+02							
Sodium	MG/KG									
Thallium	MG/KG	7.80E-02	1.20E+00	4.09E-01						
Tin	MG/KG	4.70E+03	7.00E+04							
Vanadium	MG/KG	3.90E+01	5.80E+02	6.74E+01						
Zinc	MG/KG	2.30E+03	3.50E+04	1.33E+02						

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		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5
					Sample Name					
					Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013
					Start Depth - End Depth	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill
Miscellaneous										
Total Organic Carbon	MG/KG									
Ammonia	MG/KG									
Cyanide	MG/KG	2.70E-01	1.20E+00							
Percent Moisture	%					**7.2 J**	**24.1 J**	**4.2 J**	**28.1 J**	**7.5 J**
Percent Moisture	% BY WT.									
Ph	STD UNITS									
Specific Conductance	UMHOS/CM									
Sulfide	MG/KG									

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-5}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

(2) Site-specific historical fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the industrial SL and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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					Field Sample ID	SS1113-AOCE-1-3-7	28598603	28598604	28598605	SS1113-AOCE-3-1-0.5
					Sample Name		BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)	BEL-S-AOCE-3(4-5)	
					Date Sampled	11/19/2013	11/28/2012	11/28/2012	11/28/2012	11/19/2013
					Start Depth - End Depth	7 - 8	0.5 - 1	8 - 9	4 - 5	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Fill	Native Soil	Fill	Fill
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00				<0.0010	<0.0010	<0.00090	
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03				<0.0010	<0.0010	<0.00090	
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00				<0.0010	<0.0010	<0.00090	
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01				<0.0010	<0.0010	<0.00090	
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01				<0.0010	<0.0010	<0.00090	
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02				<0.0010	<0.0010	<0.00090	
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01				<0.0010	<0.0010	<0.00090	
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02				<0.0020 UL	<0.0020 UL	<0.0020 UL	
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01				<0.0010	<0.0010	<0.00090	
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02				<0.0010 UJ	<0.0010	<0.00090	
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00				<0.0010	<0.0010	<0.00090	
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00				<0.0010	<0.0010	<0.00090	
1,3-Dichlorobenzene	MG/KG						<0.0010 UJ	<0.0010	<0.00090	
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01				<0.0010 UJ	<0.0010	<0.00090	
2-Hexanone	MG/KG	2.00E+01	1.30E+02				<0.0030	<0.0030	<0.0030	
Acetone	MG/KG	6.10E+03	6.70E+04				**0.0490**	**0.0120 J**	<0.0060	
Acetonitrile	MG/KG	8.10E+01	3.40E+02				<0.0280	<0.0260	<0.0230	
Acrolein	MG/KG	1.40E-02	6.00E-02				<0.0230	<0.0210	<0.0190	
Acrylonitrile	MG/KG	2.50E-01	1.10E+00				<0.0050	<0.0040	<0.0040	
Allyl Chloride	MG/KG	1.70E-01	6.90E-01				<0.0010	<0.0010	<0.00090	
Benzene	MG/KG	1.20E+00	5.10E+00				**0.0100 J**	<0.00050	<0.00050	
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00				<0.0010	<0.0010	<0.00090	
Bromoform	MG/KG	1.90E+01	8.60E+01				<0.0010	<0.0010	<0.00090	
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02				**0.0040 J**	<0.0010	<0.00090	
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00				<0.0010	<0.0010	<0.00090	
Chlorobenzene	MG/KG	2.80E+01	1.30E+02				<0.0010 UJ	<0.0010	<0.00090	
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00				<0.0010	<0.0010	<0.00090	
Chloroform	MG/KG	3.20E-01	1.40E+00				<0.0010	<0.0010	<0.00090	
Chloroprene	MG/KG	1.00E-02	4.40E-02				<0.0010	<0.0010	<0.00090	
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02				<0.0010	<0.0010	<0.00090	
cis-1,3-Dichloropropene	MG/KG						<0.0010	<0.0010	<0.00090	
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01				<0.0020	<0.0020	<0.0020	
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03				<0.0020	<0.0020	<0.0020	
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02				<0.0010	<0.0010	<0.00090	
Ethylbenzene	MG/KG	5.80E+00	2.50E+01				<0.0010 UJ	<0.0010	<0.00090	
Formaldehyde	MG/KG	1.70E+01	7.30E+01							
Iodomethane	MG/KG						<0.0030	<0.0030	<0.0030	
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04				<0.1100	<0.1000	<0.0930	

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					Field Sample ID	SS1113-AOCE-1-3-7	28598603	28598604	28598605	SS1113-AOCE-3-1-0.5
					Sample Name		BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)	BEL-S-AOCE-3(4-5)	
					Date Sampled	11/19/2013	11/28/2012	11/28/2012	11/28/2012	11/19/2013
					Start Depth - End Depth	7 - 8	0.5 - 1	8 - 9	4 - 5	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Fill	Native Soil	Fill	Fill
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01				<0.0060	<0.0050	<0.0050	
Methyl Bromide	MG/KG	6.80E-01	3.00E+00				<0.0020	<0.0020	<0.0020	
Methyl Chloride	MG/KG	1.10E+01	4.60E+01				<0.0020	<0.0020	<0.0020	
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04				**0.0060 J**	<0.0040	<0.0040	
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03				<0.0030	<0.0030	<0.0030	
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03				<0.0010	<0.0010	<0.00090	
Methyl Tertiary Butyl Ether	MG/KG	4.70E+01	2.10E+02				<0.00060	<0.00050	<0.00050	
Methylene Bromide	MG/KG	2.30E+00	9.80E+00				<0.0010	<0.0010	<0.00090	
Methylene Chloride	MG/KG	3.50E+01	3.20E+02				<0.0020	<0.0020	<0.0020	
Pentachloroethane	MG/KG	7.70E+00	3.60E+01				<0.0010	<0.0010	<0.00090	
Propionitrile	MG/KG						<0.0340	<0.0310	<0.0280	
Styrene	MG/KG	6.00E+02	3.50E+03				<0.0010 UJ	<0.0010	<0.00090	
Tertiary Butyl Alcohol	MG/KG						<0.0230	<0.0210	<0.0190	
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01				<0.0010	<0.0010	<0.00090	
Toluene	MG/KG	4.90E+02	4.70E+03				**0.0050 J**	<0.0010	<0.00090	
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03				<0.0010	<0.0010	<0.00090	
trans-1,3-Dichloropropene	MG/KG						<0.0010	<0.0010	<0.00090	
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02				<0.0110	<0.0100	<0.0090	
Trichloroethene	MG/KG	4.10E-01	1.90E+00				<0.0010	<0.0010	<0.00090	
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02				<0.0020	<0.0020	<0.0020	
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02				<0.0020	<0.0020	<0.0020	
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00				<0.0010	<0.0010	<0.00090	
Xylenes	MG/KG	6.50E+01	2.80E+02				<0.0010 UJ	<0.0010	<0.00090	
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01				<0.0950	<0.0210	<0.0200	
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01				<0.0950	<0.0210	<0.0200	
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03				<0.9500	<0.2100	<0.2000	
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00				<0.3800	<0.0850	<0.0800	
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01				<0.5700	<0.1300	<0.1200	
1,4-Naphthoquinone	MG/KG						<4.8000	<1.1000	<0.9900	
1-Methylnaphthalene	MG/KG	1.80E+01	7.30E+01	3.50E-01		**16**				**0.77**
1-Naphthylamine	MG/KG						<0.9500	<0.2100	<0.2000	
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03				<0.3800	<0.0850	<0.0800	
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03				<0.0950	<0.0210	<0.0200	
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01				<0.0950	<0.0210	<0.0200	
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02				<0.0950	<0.0210	<0.0200	
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03				<0.0950	<0.0210	<0.0200	
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02				<1.7000	<0.3800	<0.3600	
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00				<0.3800	<0.0850	<0.0800	

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1-3	AOCE-3	AOCE-3	AOCE-3	AOCE-3-1
					Field Sample ID	SS1113-AOCE-1-3-7	28598603	28598604	28598605	SS1113-AOCE-3-1-0.5
					Sample Name		BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)	BEL-S-AOCE-3(4-5)	
					Date Sampled	11/19/2013	11/28/2012	11/28/2012	11/28/2012	11/19/2013
					Start Depth - End Depth	7 - 8	0.5 - 1	8 - 9	4 - 5	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill	Fill
		EPA SL Residential Soil	EPA SL Industrial Soil							
2,6-Dichlorophenol	MG/KG						<0.0950	<0.0210	<0.0200	
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00				<0.0950	<0.0210	<0.0200	
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01				<0.3800	<0.0850	<0.0800	
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03				<0.0400	<0.0090	<0.0080	
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02				<0.0950	<0.0210	<0.0200	
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02	4.70E-01		**13**	**0.61**	<0.0040	**0.0070 J**	**0.94**
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03				<0.0950	<0.0210	<0.0200	
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00				<0.9500 UL	<0.2100 UL	<0.2000 UL	
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02				<0.0950	<0.0210	<0.0200	
2-Nitrophenol	MG/KG						<0.0950	<0.0210	<0.0200	
2-Picoline	MG/KG						<0.5700	<0.1300	<0.1200	
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00				<0.5700	<0.1300	<0.1200	
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01				<2.9000	<0.6400	<0.6000	
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01				<0.0950	<0.0210	<0.0200	
3-Nitroaniline	MG/KG						<0.3800	<0.0850	<0.0800	
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00				<0.9500	<0.2100	<0.2000	
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01				<0.9500	<0.2100	<0.2000	
4-Bromophenyl Phenyl Ether	MG/KG						<0.0950	<0.0210	<0.0200	
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03				<0.0950	<0.0210	<0.0200	
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01				<0.0950	<0.0210	<0.0200	
4-Chlorophenyl Phenyl Ether	MG/KG						<0.0950	<0.0210	<0.0200	
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01				<0.3800	<0.0850	<0.0800	
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03				<0.0950	<0.0210	<0.0200	
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02				<0.3800	<0.0850	<0.0800	
4-Nitrophenol	MG/KG						<0.9500	<0.2100	<0.2000	
4-Nitroquinoline-N-Oxide	MG/KG						<1.9000	<0.4200	<0.4000	
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02				<0.9500	<0.2100	<0.2000	
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03				<0.0950	<0.0210	<0.0200	
Acenaphthene	MG/KG	3.60E+02	4.50E+03	3.40E-02		**4.1**	**0.0380 J**	<0.0040	**0.0080 J**	**0.0630 J**
Acenaphthylene	MG/KG	3.60E+02	4.50E+03	3.10E-01		**21**	**0.49**	<0.0040	<0.0040	**0.63**
Acetophenone	MG/KG	7.80E+02	1.20E+04				**0.1700 J**	<0.0210	<0.0200	
Aniline	MG/KG	4.40E+01	4.00E+02				<0.9500	<0.2100	<0.2000	
Anthracene	MG/KG	1.80E+03	2.30E+04	4.40E-01		**34**	**0.46**	<0.0040	**0.0090 J**	**0.55**
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00	8.90E-01		**32**	**1.6**	<0.0040	<0.0040	**0.99**
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00	1.60E+00		**19**	**2.4**	<0.0040	<0.0040	**1.7**
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03	6.10E-01		**8.7**	**1.1**	<0.0040	<0.0040	**0.76**
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01	6.40E-01		**9.8**	**0.98**	<0.0040	<0.0040	**0.6**
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01	6.90E-01		**20**	**1.5**	<0.0040	<0.0040	**0.85**
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03				<0.9500	<0.2100	<0.2000	

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1-3	AOCE-3	AOCE-3	AOCE-3	AOCE-3-1
					Field Sample ID	SS1113-AOCE-1-3-7	28598603	28598604	28598605	SS1113-AOCE-3-1-0.5
					Sample Name		BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)	BEL-S-AOCE-3(4-5)	
					Date Sampled	11/19/2013	11/28/2012	11/28/2012	11/28/2012	11/19/2013
					Start Depth - End Depth	7 - 8	0.5 - 1	8 - 9	4 - 5	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Fill	Native Soil	Fill	Fill
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG	4.90E+00	2.20E+01							
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02				<0.0950	<0.0210	<0.0200	
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00				<0.0950	<0.0210	<0.0200	
Bis(2-Chloroisopropyl)Ether	MG/KG						<0.0950	<0.0210	<0.0200	
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02				<0.3800	<0.0850	<0.0800	
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03				<0.3800	<0.0850	<0.0800	
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01				<0.1900	<0.0420	<0.0400	
Chrysene	MG/KG	1.60E+01	2.90E+02	1.50E+00		**25**	**1.9**	<0.0040	**0.0050 J**	**1.1**
Diallate	MG/KG	8.90E+00	3.80E+01				<0.1900	<0.0420	<0.0400	
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01	2.00E-01		**2.9**	**0.36**	<0.0040	<0.0040	**0.32**
Dibenzofuran	MG/KG	7.30E+00	1.00E+02				**0.23**	<0.0210	<0.0200	
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04				<0.3800	<0.0850	<0.0800	
Dimethoate	MG/KG	1.30E+00	1.60E+01				<0.9500 UL	<0.2100 UL	<0.2000 UL	
Dimethyl Phthalate	MG/KG						<0.3800	<0.0850	<0.0800	
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03				<0.3800	<0.0850	<0.0800	
Ethyl Methanesulfonate	MG/KG						<0.3800	<0.0850	<0.0800	
Famphur	MG/KG									
Fluoranthene	MG/KG	2.40E+02	3.00E+03	1.90E+00		**73**	**2.5**	<0.0040	**0.0080 J**	**1.5**
Fluorene	MG/KG	2.40E+02	3.00E+03	8.50E-02		**35**	**0.0760 J**	<0.0040	**0.0150 J**	**0.2**
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01				<0.0190	<0.0040	<0.0040	
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00				<0.0950	<0.0210	<0.0200	
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01				<0.9500	<0.2100	<0.2000	
Hexachloroethane	MG/KG	1.80E+00	8.00E+00				<0.1900	<0.0420	<0.0400	
Hexachlorophene	MG/KG	1.90E+00	2.50E+01							
Hexachloropropylene	MG/KG						<0.5700	<0.1300	<0.1200	
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00	5.70E-01		**7.8**	**1.1**	<0.0040	<0.0040	**0.72**
Isodrin	MG/KG						<0.0950	<0.0210	<0.0200	
Isophorone	MG/KG	5.70E+02	2.40E+03				<0.0950	<0.0210	<0.0200	
Isosafrole	MG/KG						<0.3800	<0.0850	<0.0800	
Kepone	MG/KG	5.40E-02	2.30E-01							
Methapyrilene	MG/KG						<9.5000	<2.1000	<2.0000	
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01				<0.1900	<0.0420	<0.0400	
Naphthalene	MG/KG	3.80E+00	1.70E+01	1.20E+00		**28**	**0.81**	<0.0040	**0.0050 J**	**0.81**
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02				<0.3800	<0.0850	<0.0800	
Nitrobenzene	MG/KG	5.10E+00	2.20E+01				<0.0950	<0.0210	<0.0200	
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02				<0.3800	<0.0850	<0.0800	
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02				<0.0950	<0.0210	<0.0200	
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02				<0.3800	<0.0850	<0.0800	
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01				<0.3800	<0.0850	<0.0800	

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1-3	AOCE-3	AOCE-3	AOCE-3	AOCE-3-1
					Field Sample ID	SS1113-AOCE-1-3-7	28598603	28598604	28598605	SS1113-AOCE-3-1-0.5
					Sample Name		BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)	BEL-S-AOCE-3(4-5)	
					Date Sampled	11/19/2013	11/28/2012	11/28/2012	11/28/2012	11/19/2013
					Start Depth - End Depth	7 - 8	0.5 - 1	8 - 9	4 - 5	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Fill	Native Soil	Fill	Fill
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01				<0.0950	<0.0210	<0.0200	
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02				<0.0950	<0.0210	**0.0390 J**	
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01				<0.3800	<0.0850	<0.0800	
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01				<0.0950	<0.0210	<0.0200	
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00				<0.0950	<0.0210	<0.0200	
O,O,O-Triethylphosphorothioate	MG/KG						<0.3800	<0.0850	<0.0800	
O-Toluidine	MG/KG						<1.1000	<0.2500	<0.2400	
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04				<67.0000	<15.0000	<14.0000	
Parathion	MG/KG	3.80E+01	4.90E+02							
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01				<0.0950	<0.0210	<0.0200	
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01				<0.3800	<0.0850	<0.0800	
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00				<0.1900	<0.0420	<0.0400	
Phenacetin	MG/KG	2.50E+02	1.00E+03				<0.3800	<0.0850	<0.0800	
Phenanthrene	MG/KG	1.80E+03	2.30E+04	8.70E-01		**110**	**1.4**	**0.0080 J**	**0.032**	**1.4**
Phenol	MG/KG	1.90E+03	2.50E+04				<0.0950	<0.0210	<0.0200	
Pronamide	MG/KG	4.70E+02	6.20E+03				<0.1900	<0.0420	<0.0400	
Pyrene	MG/KG	1.80E+02	2.30E+03	1.50E+00		**51**	**2.3**	<0.0040	**0.0130 J**	**1.3**
Pyridine	MG/KG	7.80E+00	1.20E+02				<0.3800	<0.0850	<0.0800	
Safrole	MG/KG	5.50E-01	1.00E+01				<0.3800	<0.0850	<0.0800	
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01				<0.3800	<0.0850	<0.0800	
Thionazin	MG/KG						<0.3800	<0.0850	<0.0800	
Pesticides and PCBs										
4,4'-DDD	MG/KG	2.30E+00	9.60E+00							
4,4'-DDE	MG/KG	2.00E+00	9.30E+00							
4,4'-DDT	MG/KG	1.90E+00	8.50E+00							
Aldrin	MG/KG	3.90E-02	1.80E-01							
Alpha-BHC	MG/KG	8.60E-02	3.60E-01							
beta-BHC	MG/KG	3.00E-01	1.30E+00							
Chlordane	MG/KG									
delta-BHC	MG/KG									
Dieldrin	MG/KG	3.40E-02	1.40E-01							
Disulfoton	MG/KG	2.50E-01	3.30E+00							
Endosulfan I	MG/KG	4.70E+01	7.00E+02							
Endosulfan II	MG/KG	4.70E+01	7.00E+02							
Endosulfan Sulfate	MG/KG	4.70E+01	7.00E+02							
Endrin	MG/KG	1.90E+00	2.50E+01							
Endrin Aldehyde	MG/KG	1.90E+00	2.50E+01							
Heptachlor	MG/KG	1.30E-01	6.30E-01							
Heptachlor Epoxide	MG/KG	7.00E-02	3.30E-01							

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1-3	AOCE-3	AOCE-3	AOCE-3	AOCE-3-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-1-3-7	28598603	28598604	28598605	SS1113-AOCE-3-1-0.5
					Sample Name		BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)	BEL-S-AOCE-3(4-5)	
					Date Sampled	11/19/2013	11/28/2012	11/28/2012	11/28/2012	11/19/2013
					Start Depth - End Depth	7 - 8	0.5 - 1	8 - 9	4 - 5	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill	Fill
Lindane	MG/KG	5.70E-01	2.50E+00							
Methoxychlor	MG/KG	3.20E+01	4.10E+02							
Methyl Parathion	MG/KG	1.60E+00	2.10E+01							
Phorate	MG/KG	1.30E+00	1.60E+01							
Toxaphene	MG/KG	4.90E-01	2.10E+00							
PCB 1016	MG/KG	4.10E-01	5.10E+00							
PCB 1221	MG/KG	1.70E-01	7.20E-01							
PCB 1232	MG/KG	1.70E-01	7.20E-01							
PCB 1242	MG/KG	2.30E-01	9.70E-01							
PCB 1248	MG/KG	2.30E-01	9.40E-01							
PCB 1254	MG/KG	1.20E-01	9.70E-01							
PCB 1260	MG/KG	2.40E-01	9.90E-01							
2,4,5-T	MG/KG	6.30E+01	8.20E+02							
2,4-Dichlorophenoxyacetic Acid	MG/KG	7.00E+01	9.60E+02							
Dinoseb	MG/KG	6.30E+00	8.20E+01							
Silvex	MG/KG	5.10E+01	6.60E+02							
Inorganics										
Antimony	MG/KG	3.10E+00	4.70E+01	1.43E+00			**6.39**	<0.206	**0.150 J**	
Arsenic	MG/KG	6.80E-01	3.00E+00	2.20E+01			**39.6**	**6.47**	**5.38**	**18.3 J**
Barium	MG/KG	1.50E+03	2.20E+04	2.62E+02			**486**	**171**	**185**	
Beryllium	MG/KG	1.60E+01	2.30E+02	2.23E+00			**0.93**	**1.31**	**0.994**	
Cadmium	MG/KG	7.10E+00	9.80E+01	1.37E+00			**0.451 J**	<0.0411	<0.0386	
Calcium	MG/KG									
Chromium	MG/KG	1.20E+04	1.80E+05	4.40E+01			**38.0 K**	**24.0 K**	**16.6 K**	
Cobalt	MG/KG	2.30E+00	3.50E+01	2.23E+01			**21.3**	**11.6**	**10.6**	
Copper	MG/KG	3.10E+02	4.70E+03	8.86E+01			**172**	**17**	**15.9**	
Iron	MG/KG	5.50E+03	8.20E+04							
Lead	MG/KG	4.00E+02	8.00E+02	1.06E+02			**160**	**19.8**	**13.4**	
Magnesium	MG/KG									
Mercury	MG/KG	2.30E+00	3.50E+01	4.14E+00			**1.61**	**0.0195 J**	**0.0262 J**	
Nickel	MG/KG	1.50E+02	2.20E+03	2.59E+01			**21.4**	**23.3**	**20.3**	
Potassium	MG/KG									
Selenium	MG/KG	3.90E+01	5.80E+02	2.19E+00			**1.12**	**0.528**	**0.112 J**	
Silver	MG/KG	3.90E+01	5.80E+02				**0.675**	<0.174	<0.164	
Sodium	MG/KG									
Thallium	MG/KG	7.80E-02	1.20E+00	4.09E-01			**0.173**	**0.208 J**	**0.145**	
Tin	MG/KG	4.70E+03	7.00E+04				**6.53 B**	**2.56 B**	**2.53 B**	
Vanadium	MG/KG	3.90E+01	5.80E+02	6.74E+01			**14.7**	**33.5**	**24**	
Zinc	MG/KG	2.30E+03	3.50E+04	1.33E+02			**163**	**77.2**	**63**	

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1-3	AOCE-3	AOCE-3	AOCE-3	AOCE-3-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-1-3-7	28598603	28598604	28598605	SS1113-AOCE-3-1-0.5
					Sample Name		BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)	BEL-S-AOCE-3(4-5)	
					Date Sampled	11/19/2013	11/28/2012	11/28/2012	11/28/2012	11/19/2013
					Start Depth - End Depth	7 - 8	0.5 - 1	8 - 9	4 - 5	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill	Fill
Miscellaneous										
Total Organic Carbon	MG/KG									
Ammonia	MG/KG									
Cyanide	MG/KG	2.70E-01	1.20E+00							
Percent Moisture	%					**23.5 J**	**12.3**	**21.3**	**16.2**	**13.0 J**
Percent Moisture	% BY WT.									
Ph	STD UNITS									
Specific Conductance	UMHOS/CM									
Sulfide	MG/KG									

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-5}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

(2) Site-specific historical fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the industrial SL and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-3-2	HP-5	SWMU191-1	SWMU191-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103
					Sample Name		BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP
					Date Sampled	11/19/2013	09/28/2000	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	8 - 9.5	21 - 22	21 - 22
					Sample Purpose	FS	FS	FS	DUP
					Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00				<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03				<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00				<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01				<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01				<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02				<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01				<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02				<0.0030	<0.0020 UL	<0.0020 UL
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01				<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02				<0.0430	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00				<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00				<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG						<0.0430	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01				<0.0430	<0.0010	<0.0010
2-Hexanone	MG/KG	2.00E+01	1.30E+02				<0.0040	<0.0030	<0.0030
Acetone	MG/KG	6.10E+03	6.70E+04				<0.0090	<0.0070	<0.0070
Acetonitrile	MG/KG	8.10E+01	3.40E+02				<0.0310	<0.0260	<0.0260
Acrolein	MG/KG	1.40E-02	6.00E-02				<0.0250	<0.0210	<0.0210
Acrylonitrile	MG/KG	2.50E-01	1.10E+00				<0.0050	<0.0040	<0.0040
Allyl Chloride	MG/KG	1.70E-01	6.90E-01				<0.0010	<0.0010	<0.0010
Benzene	MG/KG	1.20E+00	5.10E+00				<0.0010	<0.00050	<0.00050
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00				<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	1.90E+01	8.60E+01				<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02				**0.0040 J**	<0.0010	<0.0010
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00				<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	2.80E+01	1.30E+02				<0.0010	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00				<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	3.20E-01	1.40E+00				<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG	1.00E-02	4.40E-02				<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02				<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG						<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01				<0.0030	<0.0020	<0.0020
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03				<0.0030	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02				<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	5.80E+00	2.50E+01				<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG	1.70E+01	7.30E+01						
Iodomethane	MG/KG						<0.0040	<0.0030	<0.0030
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04				<0.1300	<0.1000	<0.1100

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-3-2	HP-5	SWMU191-1	SWMU191-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103
					Sample Name		BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP
					Date Sampled	11/19/2013	09/28/2000	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	8 - 9.5	21 - 22	21 - 22
					Sample Purpose	FS	FS	FS	DUP
					Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01				<0.0060	<0.0050	<0.0050
Methyl Bromide	MG/KG	6.80E-01	3.00E+00				<0.0030	<0.0020	<0.0020
Methyl Chloride	MG/KG	1.10E+01	4.60E+01				<0.0030	<0.0020	<0.0020
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04				<0.0050	<0.0040	<0.0040
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03				<0.0040	<0.0030	<0.0030
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03				<0.0010	<0.0010	<0.0010
Methyl Tertiary Butyl Ether	MG/KG	4.70E+01	2.10E+02						
Methylene Bromide	MG/KG	2.30E+00	9.80E+00				<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	3.50E+01	3.20E+02				<0.0030	<0.0020	<0.0020
Pentachloroethane	MG/KG	7.70E+00	3.60E+01				<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG						<0.0380	<0.0310	<0.0320
Styrene	MG/KG	6.00E+02	3.50E+03				<0.0010	<0.0010	<0.0010
Tertiary Butyl Alcohol	MG/KG								
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01				<0.0010	<0.0010	<0.0010
Toluene	MG/KG	4.90E+02	4.70E+03				<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03				<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG						<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02				<0.0130	<0.0100	<0.0110
Trichloroethene	MG/KG	4.10E-01	1.90E+00				<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02				<0.0030	<0.0020	<0.0020
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02				<0.0030	<0.0020	<0.0020
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00				<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	6.50E+01	2.80E+02				<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01				<0.0430	<0.0210	<0.0210
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01				<0.0430	<0.0210	<0.0210
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03				<0.2200	<0.2100	<0.2100
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00				<0.0430	<0.0840	<0.0850
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01				<0.0880	<0.1300	<0.1300
1,4-Naphthoquinone	MG/KG						<1.1000 UL	<1.1000	<1.1000
1-Methylnaphthalene	MG/KG	1.80E+01	7.30E+01	3.50E-01		**0.29**			
1-Naphthylamine	MG/KG						<0.2200 UL	<0.2100	<0.2100
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03				<0.0880	<0.0840	<0.0850
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03				<0.0880	<0.0210	<0.0210
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01				<0.0880	<0.0210	<0.0210
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02				<0.0880	<0.0210	<0.0210
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03				<0.0880	<0.0210	<0.0210
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02				<0.8800	<0.3800	<0.3800
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00				<0.0430	<0.0840	<0.0850

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-3-2	HP-5	SWMU191-1	SWMU191-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103
					Sample Name		BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP
					Date Sampled	11/19/2013	09/28/2000	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	8 - 9.5	21 - 22	21 - 22
					Sample Purpose	FS	FS	FS	DUP
					Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil
2,6-Dichlorophenol	MG/KG						<0.0430	<0.0210	<0.0210
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00				<0.0430	<0.0210	<0.0210
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01				<0.0430	<0.0840	<0.0850
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03				<0.0430	<0.0090	<0.0090
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02				<0.0430	<0.0210	<0.0210
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02	4.70E-01		**0.39**	<0.0430	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03				<0.0430	<0.0210	<0.0210
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00				<0.2200 R	<0.2100 UL	<0.2100 UL
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02				<0.0880	<0.0210	<0.0210
2-Nitrophenol	MG/KG						<0.0880	<0.0210	<0.0210
2-Picoline	MG/KG						<0.0880	<0.1300	<0.1300
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00				<0.0880	<0.1300	<0.1300
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01				<0.2200 UL	<0.6300	<0.6400
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01				<0.0880	<0.0210	<0.0210
3-Nitroaniline	MG/KG						<0.0880	<0.0840	<0.0850
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00				<0.2200	<0.2100	<0.2100
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01				<0.2200 UL	<0.2100	<0.2100
4-Bromophenyl Phenyl Ether	MG/KG						<0.0430	<0.0210	<0.0210
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03				<0.0880	<0.0210	<0.0210
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01				<0.0880	<0.0210	<0.0210
4-Chlorophenyl Phenyl Ether	MG/KG						<0.0430	<0.0210	<0.0210
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01				<0.0430	<0.0840	<0.0850
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03				<0.0880	<0.0210	<0.0210
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02				<0.0880	<0.0840	<0.0850
4-Nitrophenol	MG/KG						<0.2200	<0.2100	<0.2100
4-Nitroquinoline-N-Oxide	MG/KG						<0.4300	<0.4200	<0.4200
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02				<0.2200 UL	<0.2100	<0.2100
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03				<0.0430	<0.0210	<0.0210
Acenaphthene	MG/KG	3.60E+02	4.50E+03	3.40E-02		**0.0200 J**	<0.0430	<0.0040	<0.0040
Acenaphthylene	MG/KG	3.60E+02	4.50E+03	3.10E-01		**0.15**	<0.0430	<0.0040	<0.0040
Acetophenone	MG/KG	7.80E+02	1.20E+04				<0.0430	<0.0210	<0.0210
Aniline	MG/KG	4.40E+01	4.00E+02				<0.0880	<0.2100	<0.2100
Anthracene	MG/KG	1.80E+03	2.30E+04	4.40E-01		**0.17**	<0.0430	<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00	8.90E-01		**0.29**	<0.0430	<0.0040	<0.0040
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00	1.60E+00		**0.61**	<0.0430	**0.0050 J**	**0.0040 J**
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03	6.10E-01		**0.25**	<0.0430	<0.0040	<0.0040
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01	6.40E-01		**0.17**	<0.0430	<0.0040	<0.0040
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01	6.90E-01		**0.3**	<0.0430	<0.0040	<0.0040
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03				<0.2200	<0.2100	<0.2100

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-3-2	HP-5	SWMU191-1	SWMU191-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103
					Sample Name		BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP
					Date Sampled	11/19/2013	09/28/2000	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	8 - 9.5	21 - 22	21 - 22
					Sample Purpose	FS	FS	FS	DUP
					Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG	4.90E+00	2.20E+01				<0.0430		
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02				<0.0880	<0.0210	<0.0210
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00				<0.0430	<0.0210	<0.0210
Bis(2-Chloroisopropyl)Ether	MG/KG							<0.0210	<0.0210
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02				<0.0880	<0.0840	<0.0850
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03				<0.0880	<0.0840	<0.0850
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01				<0.0880	<0.0420	<0.0420
Chrysene	MG/KG	1.60E+01	2.90E+02	1.50E+00		**0.41**	<0.0430	**0.0050 J**	<0.0040
Diallate	MG/KG	8.90E+00	3.80E+01				<0.0880	<0.0420	<0.0420
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01	2.00E-01		**0.09**	<0.0430	<0.0040	<0.0040
Dibenzofuran	MG/KG	7.30E+00	1.00E+02				<0.0430	<0.0210	<0.0210
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04				<0.0880	<0.0840	<0.0850
Dimethoate	MG/KG	1.30E+00	1.60E+01				<0.1300	<0.2100 UL	<0.2100 UL
Dimethyl Phthalate	MG/KG						<0.0880	<0.0840	<0.0850
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03				<0.0880	<0.0840	<0.0850
Ethyl Methanesulfonate	MG/KG						<0.0430	<0.0840	<0.0850
Famphur	MG/KG						<0.00880		
Fluoranthene	MG/KG	2.40E+02	3.00E+03	1.90E+00		**0.43**	<0.0430	<0.0040	<0.0040
Fluorene	MG/KG	2.40E+02	3.00E+03	8.50E-02		**0.062**	<0.0430	<0.0040	<0.0040
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01				<0.0430	<0.0040	<0.0040
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00				<0.0880	<0.0210	<0.0210
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01				<0.2200	<0.2100	<0.2100
Hexachloroethane	MG/KG	1.80E+00	8.00E+00				<0.0430	<0.0420	<0.0420
Hexachlorophene	MG/KG	1.90E+00	2.50E+01				<0.0030 UL		
Hexachloropropylene	MG/KG						<0.0880	<0.1300	<0.1300
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00	5.70E-01		**0.2**	<0.0430	<0.0040	<0.0040
Isodrin	MG/KG						<0.0880	<0.0210	<0.0210
Isophorone	MG/KG	5.70E+02	2.40E+03				<0.0430	<0.0210	<0.0210
Isosafrole	MG/KG						<0.0430	<0.0840	<0.0850
Kepone	MG/KG	5.40E-02	2.30E-01				<0.00880		
Methapyrilene	MG/KG						<0.0430	<2.1000	<2.1000
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01				<0.0430	<0.0420	<0.0420
Naphthalene	MG/KG	3.80E+00	1.70E+01	1.20E+00		**0.32**	<0.0430	<0.0040	<0.0040
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02				<0.0880	<0.0840	<0.0850
Nitrobenzene	MG/KG	5.10E+00	2.20E+01				<0.0430	<0.0210	<0.0210
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02				<0.0880	<0.0840	<0.0850
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02				<0.0430	<0.0210	<0.0210
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02				<0.0880	<0.0840	<0.0850
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01				<0.0430	<0.0840	<0.0850

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-3-2	HP-5	SWMU191-1	SWMU191-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103
					Sample Name		BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP
					Date Sampled	11/19/2013	09/28/2000	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	8 - 9.5	21 - 22	21 - 22
					Sample Purpose	FS	FS	FS	DUP
					Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01				<0.0430	<0.0210	<0.0210
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02				<0.0430	<0.0210	<0.0210
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01				<0.0880	<0.0840	<0.0850
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01				<0.0880	<0.0210	<0.0210
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00				<0.0880	<0.0210	<0.0210
O,O,O-Triethylphosphorothioate	MG/KG						<0.1300	<0.0840	<0.0850
O-Toluidine	MG/KG						<0.0880 UL	<0.2500	<0.2500
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04				<2.6000	<15.0000	<15.0000
Parathion	MG/KG	3.80E+01	4.90E+02				<0.00880		
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01				<0.0430	<0.0210	<0.0210
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01				<0.0430	<0.0840	<0.0850
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00				<0.2200	<0.0420	<0.0420
Phenacetin	MG/KG	2.50E+02	1.00E+03				<0.0430	<0.0840	<0.0850
Phenanthrene	MG/KG	1.80E+03	2.30E+04	8.70E-01		**0.52**	<0.0430	**0.0060 J**	**0.0050 J**
Phenol	MG/KG	1.90E+03	2.50E+04				<0.0880	<0.0210	<0.0210
Pronamide	MG/KG	4.70E+02	6.20E+03				<0.2200	<0.0420	<0.0420
Pyrene	MG/KG	1.80E+02	2.30E+03	1.50E+00		**0.44**	<0.0430	<0.0040	<0.0040
Pyridine	MG/KG	7.80E+00	1.20E+02				<0.0880	<0.0840	<0.0850
Safrole	MG/KG	5.50E-01	1.00E+01				<0.0430	<0.0840	<0.0850
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01				<0.0880	<0.0840	<0.0850
Thionazin	MG/KG						<0.0880	<0.0840	<0.0850
Pesticides and PCBs									
4,4'-DDD	MG/KG	2.30E+00	9.60E+00				<0.00170		
4,4'-DDE	MG/KG	2.00E+00	9.30E+00				<0.00170		
4,4'-DDT	MG/KG	1.90E+00	8.50E+00				<0.00170		
Aldrin	MG/KG	3.90E-02	1.80E-01				<0.000880		
Alpha-BHC	MG/KG	8.60E-02	3.60E-01				<0.000880		
beta-BHC	MG/KG	3.00E-01	1.30E+00				<0.00200		
Chlordane	MG/KG						<0.0430		
delta-BHC	MG/KG						<0.000880		
Dieldrin	MG/KG	3.40E-02	1.40E-01				<0.00170		
Disulfoton	MG/KG	2.50E-01	3.30E+00				<0.00880		
Endosulfan I	MG/KG	4.70E+01	7.00E+02				<0.000880		
Endosulfan II	MG/KG	4.70E+01	7.00E+02				<0.00170		
Endosulfan Sulfate	MG/KG	4.70E+01	7.00E+02				<0.00170		
Endrin	MG/KG	1.90E+00	2.50E+01				<0.00170		
Endrin Aldehyde	MG/KG	1.90E+00	2.50E+01				<0.00170		
Heptachlor	MG/KG	1.30E-01	6.30E-01				<0.000880		
Heptachlor Epoxide	MG/KG	7.00E-02	3.30E-01				<0.000880		

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-3-2	HP-5	SWMU191-1	SWMU191-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103
					Sample Name		BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP
					Date Sampled	11/19/2013	09/28/2000	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	8 - 9.5	21 - 22	21 - 22
					Sample Purpose	FS	FS	FS	DUP
					Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil
Lindane	MG/KG	5.70E-01	2.50E+00				<0.000880		
Methoxychlor	MG/KG	3.20E+01	4.10E+02				<0.00880		
Methyl Parathion	MG/KG	1.60E+00	2.10E+01				<0.00880		
Phorate	MG/KG	1.30E+00	1.60E+01				<0.00880		
Toxaphene	MG/KG	4.90E-01	2.10E+00				<0.0880		
PCB 1016	MG/KG	4.10E-01	5.10E+00				<0.0430		
PCB 1221	MG/KG	1.70E-01	7.20E-01				<0.1000		
PCB 1232	MG/KG	1.70E-01	7.20E-01				<0.0430		
PCB 1242	MG/KG	2.30E-01	9.70E-01				<0.0430		
PCB 1248	MG/KG	2.30E-01	9.40E-01				<0.0430		
PCB 1254	MG/KG	1.20E-01	9.70E-01				<0.0430		
PCB 1260	MG/KG	2.40E-01	9.90E-01				<0.0430		
2,4,5-T	MG/KG	6.30E+01	8.20E+02				**0.000580 J**		
2,4-Dichlorophenoxyacetic Acid	MG/KG	7.00E+01	9.60E+02				<0.00430		
Dinoseb	MG/KG	6.30E+00	8.20E+01				<0.00500 R		
Silvex	MG/KG	5.10E+01	6.60E+02				<0.000430		
Inorganics									
Antimony	MG/KG	3.10E+00	4.70E+01	1.43E+00			<2.8	**0.169 J**	**0.154 J**
Arsenic	MG/KG	6.80E-01	3.00E+00	2.20E+01		**14.0 J**	**3.5**	**7.18**	**10.4**
Barium	MG/KG	1.50E+03	2.20E+04	2.62E+02			**201**	**138**	**124**
Beryllium	MG/KG	1.60E+01	2.30E+02	2.23E+00			**1.7**	**1.21**	**1.25**
Cadmium	MG/KG	7.10E+00	9.80E+01	1.37E+00			**0.35 J**	<0.0414	<0.0411
Calcium	MG/KG								
Chromium	MG/KG	1.20E+04	1.80E+05	4.40E+01			**29.1**	**22.6 K**	**22.5 K**
Cobalt	MG/KG	2.30E+00	3.50E+01	2.23E+01			**10.2**	**10.5**	**10.4**
Copper	MG/KG	3.10E+02	4.70E+03	8.86E+01			**15**	**20.2**	**21.9**
Iron	MG/KG	5.50E+03	8.20E+04						
Lead	MG/KG	4.00E+02	8.00E+02	1.06E+02			**19**	**20.1**	**23.9**
Magnesium	MG/KG								
Mercury	MG/KG	2.30E+00	3.50E+01	4.14E+00			**0.016 J**	**0.0547 J**	**0.0391 J**
Nickel	MG/KG	1.50E+02	2.20E+03	2.59E+01			**27.3**	**23**	**23.5**
Potassium	MG/KG								
Selenium	MG/KG	3.90E+01	5.80E+02	2.19E+00			**1.3**	**0.402 J**	**0.493 J**
Silver	MG/KG	3.90E+01	5.80E+02				<0.40	<0.176	<0.174
Sodium	MG/KG								
Thallium	MG/KG	7.80E-02	1.20E+00	4.09E-01			<0.60	**0.286**	**0.296**
Tin	MG/KG	4.70E+03	7.00E+04				<4.8	**2.70 B**	**2.69 B**
Vanadium	MG/KG	3.90E+01	5.80E+02	6.74E+01			**39.8**	**30.9**	**31.6**
Zinc	MG/KG	2.30E+03	3.50E+04	1.33E+02			**91.2**	**75**	**77.4**

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-3-2	HP-5	SWMU191-1	SWMU191-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103
					Sample Name		BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP
					Date Sampled	11/19/2013	09/28/2000	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	8 - 9.5	21 - 22	21 - 22
					Sample Purpose	FS	FS	FS	DUP
					Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil
Miscellaneous									
Total Organic Carbon	MG/KG								
Ammonia	MG/KG								
Cyanide	MG/KG	2.70E-01	1.20E+00				<0.2300		
Percent Moisture	%					**17.4**		**21.1**	**21.3**
Percent Moisture	% BY WT.						**23.7**		
Ph	STD UNITS								
Specific Conductance	UMHOS/CM								
Sulfide	MG/KG						**60**		

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

(2) Site-specific historical fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the industrial SL and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-1	SWMU191-1	SWMU191-2	SWMU191-2
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-SWMU-191-1-21-22	P4S-0513-SWMU-191-1-5-6	28532435	28532436
					Sample Name			BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)
					Date Sampled	05/24/2013	05/24/2013	11/10/2012	11/10/2012
					Start Depth - End Depth	21 - 22	5 - 6	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Fill
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00			<0.0010		<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03			<0.0010		<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00			<0.0010		<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01			<0.0010		<0.0010	<0.0010
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01			<0.0010		<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02			<0.0010		<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01			<0.0010		<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02			<0.0020		<0.0020	<0.0030
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01			<0.0010		<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02			<0.0010		<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00			<0.0010		<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00			<0.0010		<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0010		<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01			<0.0010		<0.0010	<0.0010
2-Hexanone	MG/KG	2.00E+01	1.30E+02			<0.0030		<0.0040	<0.0040
Acetone	MG/KG	6.10E+03	6.70E+04			<0.0080		**0.0170 J**	**0.0510**
Acetonitrile	MG/KG	8.10E+01	3.40E+02			<0.0270		<0.0310	<0.0350
Acrolein	MG/KG	1.40E-02	6.00E-02			<0.0210		<0.0240	<0.0280
Acrylonitrile	MG/KG	2.50E-01	1.10E+00			<0.0040		<0.0050	<0.0060
Allyl Chloride	MG/KG	1.70E-01	6.90E-01			<0.0010		<0.0010	<0.0010
Benzene	MG/KG	1.20E+00	5.10E+00			<0.00050		**0.0020 J**	**0.0220**
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00			<0.0010		<0.0010	<0.0010
Bromoform	MG/KG	1.90E+01	8.60E+01			<0.0010		<0.0010	<0.0010
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02			<0.0010		<0.0010	**0.0030 J**
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00			<0.0010		<0.0010	<0.0010
Chlorobenzene	MG/KG	2.80E+01	1.30E+02			<0.0010		<0.0010	<0.0010
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00			<0.0010		<0.0010	<0.0010
Chloroform	MG/KG	3.20E-01	1.40E+00			<0.0010		<0.0010	<0.0010
Chloroprene	MG/KG	1.00E-02	4.40E-02			<0.0010		<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02			<0.0010		<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010		<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01			<0.0020		<0.0020 UL	<0.0030 UL
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03			<0.0020		<0.0020	<0.0030
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02			<0.0010		<0.0010	<0.0010
Ethylbenzene	MG/KG	5.80E+00	2.50E+01			<0.0010		<0.0010	<0.0010
Formaldehyde	MG/KG	1.70E+01	7.30E+01			<1.6000	**46**		
Iodomethane	MG/KG					<0.0030		<0.0040	<0.0040
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04			<0.1100		<0.1200	<0.1400

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-1	SWMU191-1	SWMU191-2	SWMU191-2
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-SWMU-191-1-21-22	P4S-0513-SWMU-191-1-5-6	28532435	28532436
					Sample Name			BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)
					Date Sampled	05/24/2013	05/24/2013	11/10/2012	11/10/2012
					Start Depth - End Depth	21 - 22	5 - 6	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Fill
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01			<0.0050		<0.0060	<0.0070
Methyl Bromide	MG/KG	6.80E-01	3.00E+00			<0.0020		<0.0020	<0.0030
Methyl Chloride	MG/KG	1.10E+01	4.60E+01			<0.0020		<0.0020	<0.0030
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04			<0.0040		<0.0050	<0.0060
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03			<0.0030		<0.0040	<0.0040
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03			<0.0010		<0.0010	<0.0010
Methyl Tertiary Butyl Ether	MG/KG	4.70E+01	2.10E+02						
Methylene Bromide	MG/KG	2.30E+00	9.80E+00			<0.0010		<0.0010	<0.0010
Methylene Chloride	MG/KG	3.50E+01	3.20E+02			<0.0020		<0.0020	<0.0030
Pentachloroethane	MG/KG	7.70E+00	3.60E+01			<0.0010		<0.0010	<0.0010
Propionitrile	MG/KG					<0.0320		<0.0370	<0.0420
Styrene	MG/KG	6.00E+02	3.50E+03			<0.0010		<0.0010	<0.0010
Tertiary Butyl Alcohol	MG/KG								
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01			<0.0010		<0.0010	<0.0010
Toluene	MG/KG	4.90E+02	4.70E+03			<0.0010		<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03			<0.0010		<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010		<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02			<0.0110		<0.0120	<0.0140
Trichloroethene	MG/KG	4.10E-01	1.90E+00			<0.0010		<0.0010	<0.0010
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02			<0.0020		<0.0020 UL	<0.0030 UL
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02			<0.0020		<0.0020 UL	<0.0030 UL
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00			<0.0010		<0.0010	<0.0010
Xylenes	MG/KG	6.50E+01	2.80E+02			<0.0010		<0.0010	<0.0010
Semi-Volatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01			<0.0220		<0.0450	<0.2000
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01			<0.0220		<0.0450	<0.2000
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03			<0.2200		<0.4500	<2.0000
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00			<0.0880		<0.1800	<0.7900
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01			<0.1300		<0.2700 UL	<1.2000
1,4-Naphthoquinone	MG/KG					<1.1000		<2.2000	<9.8000
1-Methylnaphthalene	MG/KG	1.80E+01	7.30E+01	3.50E-01					
1-Naphthylamine	MG/KG					<0.2200		<0.4500 UL	<2.0000 UL
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03			<0.0880		<0.1800	<0.7900
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03			<0.0220		<0.0450	<0.2000
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01			<0.0220		<0.0450	<0.2000
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02			<0.0220		<0.0450	<0.2000
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03			<0.0220		<0.0450	<0.2000
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02			<0.4000		<0.8000	<3.5000
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00			<0.0880		<0.1800	<0.7900

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-1	SWMU191-1	SWMU191-2	SWMU191-2
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-SWMU-191-1-21-22	P4S-0513-SWMU-191-1-5-6	28532435	28532436
					Sample Name			BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)
					Date Sampled	05/24/2013	05/24/2013	11/10/2012	11/10/2012
					Start Depth - End Depth	21 - 22	5 - 6	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Fill
2,6-Dichlorophenol	MG/KG					<0.0220		<0.0450	<0.2000
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00			<0.0220		<0.0450	<0.2000
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01			<0.0880		<0.1800	<0.7900
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03			<0.0090		<0.0190	<0.0830
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02			<0.0220		<0.0450	<0.2000
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02	4.70E-01		<0.0040		<0.0090	**0.41**
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03			<0.0220		<0.0450	<0.2000
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00			<0.2200		<0.4500 UL	<2.0000 UL
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02			<0.0220		<0.0450	<0.2000
2-Nitrophenol	MG/KG					<0.0220		<0.0450	<0.2000
2-Picoline	MG/KG					<0.1300		<0.2700 UL	<1.2000
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00			<0.1300		<0.2700	<1.2000
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01			<0.6600		<1.3000 UL	<5.9000
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01			<0.0220		<0.0450	<0.2000
3-Nitroaniline	MG/KG					<0.0880		<0.1800	<0.7900
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00			<0.2200		<0.4500	<2.0000
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01			<0.2200		<0.4500	<2.0000
4-Bromophenyl Phenyl Ether	MG/KG					<0.0220		<0.0450	<0.2000
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03			<0.0220		<0.0450	<0.2000
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01			<0.0220		<0.0450 UL	<0.2000 UL
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0220		<0.0450	<0.2000
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01			<0.0880		<0.1800	<0.7900
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03			<0.0220		<0.0450	<0.2000
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02			<0.0880		<0.1800	<0.7900
4-Nitrophenol	MG/KG					<0.2200		<0.4500	<2.0000
4-Nitroquinoline-N-Oxide	MG/KG					<0.4400		<0.8900 UL	<3.9000
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02			<0.2200		<0.4500 UL	<2.0000 UL
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03			<0.0220		<0.0450	<0.2000
Acenaphthene	MG/KG	3.60E+02	4.50E+03	3.40E-02		<0.0040		<0.0090	**0.0590 J**
Acenaphthylene	MG/KG	3.60E+02	4.50E+03	3.10E-01		<0.0040		<0.0090	**0.38**
Acetophenone	MG/KG	7.80E+02	1.20E+04			<0.0220		<0.0450	<0.2000
Aniline	MG/KG	4.40E+01	4.00E+02			<0.2200		<0.4500	<2.0000
Anthracene	MG/KG	1.80E+03	2.30E+04	4.40E-01		<0.0040		<0.0090	**0.57**
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00	8.90E-01		<0.0040		**0.0110 J**	**0.83**
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00	1.60E+00		**0.0120 J**		**0.0120 J**	**2.8**
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03	6.10E-01		<0.0040		**0.0120 J**	**0.85**
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01	6.40E-01		<0.0040		<0.0090	**0.99**
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01	6.90E-01		<0.0040		**0.0100 J**	**0.6**
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03			<0.2200		<0.4500	<2.0000

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-1	SWMU191-1	SWMU191-2	SWMU191-2
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-SWMU-191-1-21-22	P4S-0513-SWMU-191-1-5-6	28532435	28532436
					Sample Name			BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)
					Date Sampled	05/24/2013	05/24/2013	11/10/2012	11/10/2012
					Start Depth - End Depth	21 - 22	5 - 6	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Fill
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG	4.90E+00	2.20E+01						
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02			<0.0220		<0.0450	<0.2000
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00			<0.0220		<0.0450	<0.2000
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0220		<0.0450	<0.2000
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02			<0.0880		<0.1800	<0.7900
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03			<0.0880		<0.1800	<0.7900
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01			<0.0440		<0.0890	<0.3900
Chrysene	MG/KG	1.60E+01	2.90E+02	1.50E+00		<0.0040		**0.0110 J**	**1.5**
Diallate	MG/KG	8.90E+00	3.80E+01			<0.0440		<0.0890	<0.3900
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01	2.00E-01		<0.0040		<0.0090	**0.33**
Dibenzofuran	MG/KG	7.30E+00	1.00E+02			<0.0220		<0.0450	**0.3600 J**
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04			<0.0880		<0.1800	<0.7900
Dimethoate	MG/KG	1.30E+00	1.60E+01			<0.2200		<0.4500 UL	<2.0000 UL
Dimethyl Phthalate	MG/KG					<0.0880		<0.1800	<0.7900
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03			<0.0880		<0.1800	<0.7900
Ethyl Methanesulfonate	MG/KG					<0.0880		<0.1800	<0.7900
Famphur	MG/KG								
Fluoranthene	MG/KG	2.40E+02	3.00E+03	1.90E+00		<0.0040		**0.0170 J**	**2.3**
Fluorene	MG/KG	2.40E+02	3.00E+03	8.50E-02		<0.0040		<0.0090	**0.0600 J**
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01			<0.0040		<0.0090	<0.0390
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00			<0.0220		<0.0450	<0.2000
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01			<0.2200		<0.4500 UL	<2.0000
Hexachloroethane	MG/KG	1.80E+00	8.00E+00			<0.0440		<0.0890	<0.3900
Hexachlorophene	MG/KG	1.90E+00	2.50E+01						
Hexachloropropylene	MG/KG					<0.1300		<0.2700	<1.2000
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00	5.70E-01		<0.0040		<0.0090	**0.89**
Isodrin	MG/KG					<0.0220		<0.0450	<0.2000
Isophorone	MG/KG	5.70E+02	2.40E+03			<0.0220		<0.0450	<0.2000
Isosafrole	MG/KG					<0.0880		<0.1800	<0.7900
Kepone	MG/KG	5.40E-02	2.30E-01						
Methapyrilene	MG/KG					<2.2000		<4.5000 R	<20.0000
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01			<0.0440		<0.0890	<0.3900
Naphthalene	MG/KG	3.80E+00	1.70E+01	1.20E+00		<0.0040		<0.0090	**0.68**
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02			<0.0880		<0.1800	<0.7900
Nitrobenzene	MG/KG	5.10E+00	2.20E+01			<0.0220		<0.0450	<0.2000
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02			<0.0880		<0.1800	<0.7900
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02			<0.0220		<0.0450	<0.2000
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02			<0.0880		<0.1800	<0.7900
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01			<0.0880		<0.1800	<0.7900

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-1	SWMU191-1	SWMU191-2	SWMU191-2
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-SWMU-191-1-21-22	P4S-0513-SWMU-191-1-5-6	28532435	28532436
					Sample Name			BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)
					Date Sampled	05/24/2013	05/24/2013	11/10/2012	11/10/2012
					Start Depth - End Depth	21 - 22	5 - 6	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Fill
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01			<0.0220		<0.0450	<0.2000
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02			<0.0220		<0.0450	<0.2000
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01			<0.0880		<0.1800	<0.7900
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01			<0.0220		<0.0450	<0.2000
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00			<0.0220		<0.0450	<0.2000
O,O,O-Triethylphosphorothioate	MG/KG					<0.0880		<0.1800	<0.7900
O-Toluidine	MG/KG					<0.2600		<0.5400 UL	<2.4000 UL
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04			<15.0000		<31.0000	<140.0000
Parathion	MG/KG	3.80E+01	4.90E+02						
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01			<0.0220		<0.0450	<0.2000
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01			<0.0880		<0.1800	<0.7900
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00			<0.0440		<0.0890	<0.3900
Phenacetin	MG/KG	2.50E+02	1.00E+03			<0.0880		<0.1800	<0.7900
Phenanthrene	MG/KG	1.80E+03	2.30E+04	8.70E-01		**0.0070 J**		**0.0270 J**	**1.7**
Phenol	MG/KG	1.90E+03	2.50E+04			<0.0220		<0.0450	<0.2000
Pronamide	MG/KG	4.70E+02	6.20E+03			<0.0440		<0.0890	<0.3900
Pyrene	MG/KG	1.80E+02	2.30E+03	1.50E+00		<0.0040		**0.0180 J**	**1.7**
Pyridine	MG/KG	7.80E+00	1.20E+02			<0.0880		<0.1800	<0.7900
Safrole	MG/KG	5.50E-01	1.00E+01			<0.0880		<0.1800	<0.7900
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01			<0.0880		<0.1800	<0.7900
Thionazin	MG/KG					<0.0880		<0.1800	<0.7900
Pesticides and PCBs									
4,4'-DDD	MG/KG	2.30E+00	9.60E+00						
4,4'-DDE	MG/KG	2.00E+00	9.30E+00						
4,4'-DDT	MG/KG	1.90E+00	8.50E+00						
Aldrin	MG/KG	3.90E-02	1.80E-01						
Alpha-BHC	MG/KG	8.60E-02	3.60E-01						
beta-BHC	MG/KG	3.00E-01	1.30E+00						
Chlordane	MG/KG								
delta-BHC	MG/KG								
Dieldrin	MG/KG	3.40E-02	1.40E-01						
Disulfoton	MG/KG	2.50E-01	3.30E+00						
Endosulfan I	MG/KG	4.70E+01	7.00E+02						
Endosulfan II	MG/KG	4.70E+01	7.00E+02						
Endosulfan Sulfate	MG/KG	4.70E+01	7.00E+02						
Endrin	MG/KG	1.90E+00	2.50E+01						
Endrin Aldehyde	MG/KG	1.90E+00	2.50E+01						
Heptachlor	MG/KG	1.30E-01	6.30E-01						
Heptachlor Epoxide	MG/KG	7.00E-02	3.30E-01						

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-1	SWMU191-1	SWMU191-2	SWMU191-2
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-SWMU-191-1-21-22	P4S-0513-SWMU-191-1-5-6	28532435	28532436
					Sample Name			BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)
					Date Sampled	05/24/2013	05/24/2013	11/10/2012	11/10/2012
					Start Depth - End Depth	21 - 22	5 - 6	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Fill
Lindane	MG/KG	5.70E-01	2.50E+00						
Methoxychlor	MG/KG	3.20E+01	4.10E+02						
Methyl Parathion	MG/KG	1.60E+00	2.10E+01						
Phorate	MG/KG	1.30E+00	1.60E+01						
Toxaphene	MG/KG	4.90E-01	2.10E+00						
PCB 1016	MG/KG	4.10E-01	5.10E+00						
PCB 1221	MG/KG	1.70E-01	7.20E-01						
PCB 1232	MG/KG	1.70E-01	7.20E-01						
PCB 1242	MG/KG	2.30E-01	9.70E-01						
PCB 1248	MG/KG	2.30E-01	9.40E-01						
PCB 1254	MG/KG	1.20E-01	9.70E-01						
PCB 1260	MG/KG	2.40E-01	9.90E-01						
2,4,5-T	MG/KG	6.30E+01	8.20E+02						
2,4-Dichlorophenoxyacetic Acid	MG/KG	7.00E+01	9.60E+02						
Dinoseb	MG/KG	6.30E+00	8.20E+01						
Silvex	MG/KG	5.10E+01	6.60E+02						
Inorganics									
Antimony	MG/KG	3.10E+00	4.70E+01	1.43E+00				**0.218 J**	**10.6**
Arsenic	MG/KG	6.80E-01	3.00E+00	2.20E+01				**6.27**	**50.5**
Barium	MG/KG	1.50E+03	2.20E+04	2.62E+02				**276**	**139**
Beryllium	MG/KG	1.60E+01	2.30E+02	2.23E+00				**2.03**	**0.894**
Cadmium	MG/KG	7.10E+00	9.80E+01	1.37E+00				<0.0425	**0.777**
Calcium	MG/KG					**1310**	**1740**		
Chromium	MG/KG	1.20E+04	1.80E+05	4.40E+01				**35.5 K**	**22.7 K**
Cobalt	MG/KG	2.30E+00	3.50E+01	2.23E+01				**9.06**	**10.3**
Copper	MG/KG	3.10E+02	4.70E+03	8.86E+01				**12.8**	**123**
Iron	MG/KG	5.50E+03	8.20E+04			**40900**	**20200**		
Lead	MG/KG	4.00E+02	8.00E+02	1.06E+02				**37.8**	**114**
Magnesium	MG/KG					**3300**	**2710**		
Mercury	MG/KG	2.30E+00	3.50E+01	4.14E+00				**0.0316 J**	**1.87**
Nickel	MG/KG	1.50E+02	2.20E+03	2.59E+01				**32.2**	**20.6**
Potassium	MG/KG					**2340 J**	**2200 J**		
Selenium	MG/KG	3.90E+01	5.80E+02	2.19E+00				**0.627**	**1.29**
Silver	MG/KG	3.90E+01	5.80E+02					<0.180	**8.55**
Sodium	MG/KG					**86.0 J**	**265**		
Thallium	MG/KG	7.80E-02	1.20E+00	4.09E-01				**0.621**	**0.293**
Tin	MG/KG	4.70E+03	7.00E+04					**3.36 B**	**6.13 B**
Vanadium	MG/KG	3.90E+01	5.80E+02	6.74E+01				**49.6 K**	**15.5 K**
Zinc	MG/KG	2.30E+03	3.50E+04	1.33E+02				**104**	**140**

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-1	SWMU191-1	SWMU191-2	SWMU191-2
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-SWMU-191-1-21-22	P4S-0513-SWMU-191-1-5-6	28532435	28532436
					Sample Name			BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)
					Date Sampled	05/24/2013	05/24/2013	11/10/2012	11/10/2012
					Start Depth - End Depth	21 - 22	5 - 6	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Fill
Miscellaneous									
Total Organic Carbon	MG/KG					**4240**	**19200**		
Ammonia	MG/KG					**249**	**567**		
Cyanide	MG/KG	2.70E-01	1.20E+00						
Percent Moisture	%					**24.8**	**28.7**	**25.3**	**15.2**
Percent Moisture	% BY WT.								
Ph	STD UNITS					**6.42 J**	**6.06 J**		
Specific Conductance	UMHOS/CM					**56.1**	**148**		
Sulfide	MG/KG								

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-5}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

(2) Site-specific historical fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the industrial SL and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-2	SWMU191-2-1	SWMU191-2-2	SWMU191-2-3
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5	SS1113-SWMU191-2-3-0.5
					Sample Name	BEL-S-SWMU191-2(21-22)			
					Date Sampled	11/10/2012	11/19/2013	11/19/2013	11/19/2013
					Start Depth - End Depth	21 - 22	0.5 - 1	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Fill	Fill
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00			<0.0010			
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03			<0.0010			
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00			<0.0010			
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01			<0.0010			
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01			<0.0010			
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02			<0.0010			
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01			<0.0010			
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02			<0.0020			
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01			<0.0010			
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02			<0.0010			
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00			<0.0010			
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00			<0.0010			
1,3-Dichlorobenzene	MG/KG					<0.0010			
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01			<0.0010			
2-Hexanone	MG/KG	2.00E+01	1.30E+02			<0.0030			
Acetone	MG/KG	6.10E+03	6.70E+04			**0.0200**			
Acetonitrile	MG/KG	8.10E+01	3.40E+02			<0.0260			
Acrolein	MG/KG	1.40E-02	6.00E-02			<0.0200			
Acrylonitrile	MG/KG	2.50E-01	1.10E+00			<0.0040			
Allyl Chloride	MG/KG	1.70E-01	6.90E-01			<0.0010			
Benzene	MG/KG	1.20E+00	5.10E+00			**0.0040 J**			
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00			<0.0010			
Bromoform	MG/KG	1.90E+01	8.60E+01			<0.0010			
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02			<0.0010			
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00			<0.0010			
Chlorobenzene	MG/KG	2.80E+01	1.30E+02			<0.0010			
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00			<0.0010			
Chloroform	MG/KG	3.20E-01	1.40E+00			<0.0010			
Chloroprene	MG/KG	1.00E-02	4.40E-02			<0.0010			
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02			<0.0010			
cis-1,3-Dichloropropene	MG/KG					<0.0010			
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01			<0.0020 UL			
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03			<0.0020			
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02			<0.0010			
Ethylbenzene	MG/KG	5.80E+00	2.50E+01			<0.0010			
Formaldehyde	MG/KG	1.70E+01	7.30E+01						
Iodomethane	MG/KG					<0.0030			
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04			<0.1000			

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-2	SWMU191-2-1	SWMU191-2-2	SWMU191-2-3
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5	SS1113-SWMU191-2-3-0.5
					Sample Name	BEL-S-SWMU191-2(21-22)			
					Date Sampled	11/10/2012	11/19/2013	11/19/2013	11/19/2013
					Start Depth - End Depth	21 - 22	0.5 - 1	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Fill	Fill
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01			<0.0050			
Methyl Bromide	MG/KG	6.80E-01	3.00E+00			<0.0020			
Methyl Chloride	MG/KG	1.10E+01	4.60E+01			<0.0020			
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04			<0.0040			
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03			<0.0030			
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03			<0.0010			
Methyl Tertiary Butyl Ether	MG/KG	4.70E+01	2.10E+02						
Methylene Bromide	MG/KG	2.30E+00	9.80E+00			<0.0010			
Methylene Chloride	MG/KG	3.50E+01	3.20E+02			<0.0020			
Pentachloroethane	MG/KG	7.70E+00	3.60E+01			<0.0010			
Propionitrile	MG/KG					<0.0310			
Styrene	MG/KG	6.00E+02	3.50E+03			<0.0010			
Tertiary Butyl Alcohol	MG/KG								
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01			<0.0010			
Toluene	MG/KG	4.90E+02	4.70E+03			<0.0010			
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03			<0.0010			
trans-1,3-Dichloropropene	MG/KG					<0.0010			
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02			<0.0100			
Trichloroethene	MG/KG	4.10E-01	1.90E+00			<0.0010			
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02			<0.0020 UL			
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02			<0.0020 UL			
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00			<0.0010			
Xylenes	MG/KG	6.50E+01	2.80E+02			<0.0010			
Semi-Volatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01			<0.0210			
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01			<0.0210			
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03			<0.2100			
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00			<0.0860			
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01			<0.1300			
1,4-Naphthoquinone	MG/KG					<1.1000			
1-Methylnaphthalene	MG/KG	1.80E+01	7.30E+01	3.50E-01			<0.0390	**0.042**	**1.9**
1-Naphthylamine	MG/KG					<0.2100 UL			
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03			<0.0860			
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03			<0.0210			
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01			<0.0210			
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02			<0.0210			
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03			<0.0210			
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02			<0.3900			
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00			<0.0860			

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-2	SWMU191-2-1	SWMU191-2-2	SWMU191-2-3
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5	SS1113-SWMU191-2-3-0.5
					Sample Name	BEL-S-SWMU191-2(21-22)			
					Date Sampled	11/10/2012	11/19/2013	11/19/2013	11/19/2013
					Start Depth - End Depth	21 - 22	0.5 - 1	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Fill	Fill
2,6-Dichlorophenol	MG/KG					<0.0210			
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00			<0.0210			
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01			<0.0860			
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03			<0.0090			
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02			<0.0210			
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02	4.70E-01		<0.0040	<0.0390	**0.044**	**2.5**
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03			<0.0210			
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00			<0.2100 UL			
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02			<0.0210			
2-Nitrophenol	MG/KG					<0.0210			
2-Picoline	MG/KG					<0.1300			
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00			<0.1300			
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01			<0.6400			
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01			<0.0210			
3-Nitroaniline	MG/KG					<0.0860			
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00			<0.2100			
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01			<0.2100			
4-Bromophenyl Phenyl Ether	MG/KG					<0.0210			
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03			<0.0210			
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01			<0.0210 UL			
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0210			
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01			<0.0860			
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03			<0.0210			
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02			<0.0860			
4-Nitrophenol	MG/KG					<0.2100			
4-Nitroquinoline-N-Oxide	MG/KG					<0.4300			
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02			<0.2100 UL			
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03			<0.0210			
Acenaphthene	MG/KG	3.60E+02	4.50E+03	3.40E-02		<0.0040	<0.0390	<0.0040	**0.29**
Acenaphthylene	MG/KG	3.60E+02	4.50E+03	3.10E-01		**0.0060 J**	**0.1000 J**	**0.0180 J**	**2.5**
Acetophenone	MG/KG	7.80E+02	1.20E+04			<0.0210			
Aniline	MG/KG	4.40E+01	4.00E+02			<0.2100			
Anthracene	MG/KG	1.80E+03	2.30E+04	4.40E-01		**0.0150 J**	**0.0570 J**	**0.0120 J**	**3.2**
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00	8.90E-01		**0.0120 J**	**0.0670 J**	**0.053**	**5.3**
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00	1.60E+00		**0.022**	**0.1700 J**	**0.078**	**5.4**
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03	6.10E-01		**0.0090 J**	**0.0880 J**	**0.042**	**3.1**
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01	6.40E-01		**0.0080 J**	<0.0390	**0.026**	**2.6**
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01	6.90E-01		**0.0100 J**	**0.0880 J**	**0.048**	**4.3**
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03			<0.2100			

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-2	SWMU191-2-1	SWMU191-2-2	SWMU191-2-3
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5	SS1113-SWMU191-2-3-0.5
					Sample Name	BEL-S-SWMU191-2(21-22)			
					Date Sampled	11/10/2012	11/19/2013	11/19/2013	11/19/2013
					Start Depth - End Depth	21 - 22	0.5 - 1	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Fill	Fill
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG	4.90E+00	2.20E+01						
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02			<0.0210			
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00			<0.0210			
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0210			
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02			<0.0860			
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03			<0.0860			
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01			<0.0430			
Chrysene	MG/KG	1.60E+01	2.90E+02	1.50E+00		**0.0160 J**	**0.1400 J**	**0.054**	**4.6**
Diallate	MG/KG	8.90E+00	3.80E+01			<0.0430			
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01	2.00E-01		<0.0040	**0.0500 J**	**0.0120 J**	**0.92**
Dibenzofuran	MG/KG	7.30E+00	1.00E+02			<0.0210			
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04			<0.0860			
Dimethoate	MG/KG	1.30E+00	1.60E+01			<0.2100 UL			
Dimethyl Phthalate	MG/KG					<0.0860			
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03			<0.0860			
Ethyl Methanesulfonate	MG/KG					<0.0860			
Famphur	MG/KG								
Fluoranthene	MG/KG	2.40E+02	3.00E+03	1.90E+00		**0.03**	**0.0890 J**	**0.087**	**11**
Fluorene	MG/KG	2.40E+02	3.00E+03	8.50E-02		**0.0110 J**	<0.0390	**0.0040 J**	**2.6**
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01			<0.0040			
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00			<0.0210			
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01			<0.2100			
Hexachloroethane	MG/KG	1.80E+00	8.00E+00			<0.0430			
Hexachlorophene	MG/KG	1.90E+00	2.50E+01						
Hexachloropropylene	MG/KG					<0.1300			
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00	5.70E-01		**0.0050 J**	**0.0630 J**	**0.034**	**2.5**
Isodrin	MG/KG					<0.0210			
Isophorone	MG/KG	5.70E+02	2.40E+03			<0.0210			
Isosafrole	MG/KG					<0.0860			
Kepone	MG/KG	5.40E-02	2.30E-01						
Methapyrilene	MG/KG					<2.1000			
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01			<0.0430			
Naphthalene	MG/KG	3.80E+00	1.70E+01	1.20E+00		**0.0080 J**	<0.0390	**0.053**	**2**
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02			<0.0860			
Nitrobenzene	MG/KG	5.10E+00	2.20E+01			<0.0210			
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02			<0.0860			
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02			<0.0210			
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02			<0.0860			
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01			<0.0860			

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-2	SWMU191-2-1	SWMU191-2-2	SWMU191-2-3
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5	SS1113-SWMU191-2-3-0.5
					Sample Name	BEL-S-SWMU191-2(21-22)			
					Date Sampled	11/10/2012	11/19/2013	11/19/2013	11/19/2013
					Start Depth - End Depth	21 - 22	0.5 - 1	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Fill	Fill
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01			<0.0210			
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02			<0.0210			
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01			<0.0860			
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01			<0.0210			
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00			<0.0210			
O,O,O-Triethylphosphorothioate	MG/KG					<0.0860			
O-Toluidine	MG/KG					<0.2600 UL			
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04			<15.0000			
Parathion	MG/KG	3.80E+01	4.90E+02						
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01			<0.0210			
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01			<0.0860			
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00			<0.0430			
Phenacetin	MG/KG	2.50E+02	1.00E+03			<0.0860			
Phenanthrene	MG/KG	1.80E+03	2.30E+04	8.70E-01		**0.057**	**0.0780 J**	**0.058**	**11**
Phenol	MG/KG	1.90E+03	2.50E+04			<0.0210			
Pronamide	MG/KG	4.70E+02	6.20E+03			<0.0430			
Pyrene	MG/KG	1.80E+02	2.30E+03	1.50E+00		**0.028**	**0.0800 J**	**0.079**	**8.1**
Pyridine	MG/KG	7.80E+00	1.20E+02			<0.0860			
Safrole	MG/KG	5.50E-01	1.00E+01			<0.0860			
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01			<0.0860			
Thionazin	MG/KG					<0.0860			
Pesticides and PCBs									
4,4'-DDD	MG/KG	2.30E+00	9.60E+00						
4,4'-DDE	MG/KG	2.00E+00	9.30E+00						
4,4'-DDT	MG/KG	1.90E+00	8.50E+00						
Aldrin	MG/KG	3.90E-02	1.80E-01						
Alpha-BHC	MG/KG	8.60E-02	3.60E-01						
beta-BHC	MG/KG	3.00E-01	1.30E+00						
Chlordane	MG/KG								
delta-BHC	MG/KG								
Dieldrin	MG/KG	3.40E-02	1.40E-01						
Disulfoton	MG/KG	2.50E-01	3.30E+00						
Endosulfan I	MG/KG	4.70E+01	7.00E+02						
Endosulfan II	MG/KG	4.70E+01	7.00E+02						
Endosulfan Sulfate	MG/KG	4.70E+01	7.00E+02						
Endrin	MG/KG	1.90E+00	2.50E+01						
Endrin Aldehyde	MG/KG	1.90E+00	2.50E+01						
Heptachlor	MG/KG	1.30E-01	6.30E-01						
Heptachlor Epoxide	MG/KG	7.00E-02	3.30E-01						

Summary of Analytical Results - AOC A, AOC E, and SWMU 191 - Comparison to SLs
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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-2	SWMU191-2-1	SWMU191-2-2	SWMU191-2-3
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5	SS1113-SWMU191-2-3-0.5
					Sample Name	BEL-S-SWMU191-2(21-22)			
					Date Sampled	11/10/2012	11/19/2013	11/19/2013	11/19/2013
					Start Depth - End Depth	21 - 22	0.5 - 1	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Fill	Fill
Lindane	MG/KG	5.70E-01	2.50E+00						
Methoxychlor	MG/KG	3.20E+01	4.10E+02						
Methyl Parathion	MG/KG	1.60E+00	2.10E+01						
Phorate	MG/KG	1.30E+00	1.60E+01						
Toxaphene	MG/KG	4.90E-01	2.10E+00						
PCB 1016	MG/KG	4.10E-01	5.10E+00						
PCB 1221	MG/KG	1.70E-01	7.20E-01						
PCB 1232	MG/KG	1.70E-01	7.20E-01						
PCB 1242	MG/KG	2.30E-01	9.70E-01						
PCB 1248	MG/KG	2.30E-01	9.40E-01						
PCB 1254	MG/KG	1.20E-01	9.70E-01						
PCB 1260	MG/KG	2.40E-01	9.90E-01						
2,4,5-T	MG/KG	6.30E+01	8.20E+02						
2,4-Dichlorophenoxyacetic Acid	MG/KG	7.00E+01	9.60E+02						
Dinoseb	MG/KG	6.30E+00	8.20E+01						
Silvex	MG/KG	5.10E+01	6.60E+02						
Inorganics									
Antimony	MG/KG	3.10E+00	4.70E+01	1.43E+00		**0.231 J**			
Arsenic	MG/KG	6.80E-01	3.00E+00	2.20E+01		**11.6**	**15.8 J**	**28.9 J**	**8.87 J**
Barium	MG/KG	1.50E+03	2.20E+04	2.62E+02		**166**			
Beryllium	MG/KG	1.60E+01	2.30E+02	2.23E+00		**1.57**			
Cadmium	MG/KG	7.10E+00	9.80E+01	1.37E+00		**0.126 J**			
Calcium	MG/KG								
Chromium	MG/KG	1.20E+04	1.80E+05	4.40E+01		**29.4 K**			
Cobalt	MG/KG	2.30E+00	3.50E+01	2.23E+01		**21.2**			
Copper	MG/KG	3.10E+02	4.70E+03	8.86E+01		**21.3**			
Iron	MG/KG	5.50E+03	8.20E+04						
Lead	MG/KG	4.00E+02	8.00E+02	1.06E+02		**27.8**			
Magnesium	MG/KG								
Mercury	MG/KG	2.30E+00	3.50E+01	4.14E+00		**0.0340 J**			
Nickel	MG/KG	1.50E+02	2.20E+03	2.59E+01		**31**			
Potassium	MG/KG								
Selenium	MG/KG	3.90E+01	5.80E+02	2.19E+00		**0.995**			
Silver	MG/KG	3.90E+01	5.80E+02			<0.177			
Sodium	MG/KG								
Thallium	MG/KG	7.80E-02	1.20E+00	4.09E-01		**0.335**			
Tin	MG/KG	4.70E+03	7.00E+04			**3.25 B**			
Vanadium	MG/KG	3.90E+01	5.80E+02	6.74E+01		**41.7 K**			
Zinc	MG/KG	2.30E+03	3.50E+04	1.33E+02		**93.6**			

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-2	SWMU191-2-1	SWMU191-2-2	SWMU191-2-3
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5	SS1113-SWMU191-2-3-0.5
					Sample Name	BEL-S-SWMU191-2(21-22)			
					Date Sampled	11/10/2012	11/19/2013	11/19/2013	11/19/2013
					Start Depth - End Depth	21 - 22	0.5 - 1	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Fill	Fill
Miscellaneous									
Total Organic Carbon	MG/KG								
Ammonia	MG/KG								
Cyanide	MG/KG	2.70E-01	1.20E+00						
Percent Moisture	%					**22.3**	**13.7 J**	**22.5 J**	**11.6**
Percent Moisture	% BY WT.								
Ph	STD UNITS								
Specific Conductance	UMHOS/CM								
Sulfide	MG/KG								

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-5}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

(2) Site-specific historical fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the industrial SL and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)		Location ID	AOCA-1	AOCA-1	AOCA-3	AOCA-3	AOCA-3	AOCE-1	AOCE-1
						Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321	28508382	28508383
						Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)	BEL-S-AOCE-1(0.5-1)	BEL-S-AOCE-1(0.5-1)-DUP
						Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012	11/09/2012	11/09/2012
						Start Depth - End Depth	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21	0.5 - 1	0.5 - 1
						Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20			Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	Fill	Fill
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.0050 J**	**0.0040 J**
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06				<0.0020 UL	<0.0020	<0.0020 UL	<0.0020 UL	<0.0020 UL	<0.0030	<0.0030
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG						<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01				<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0040	<0.0040
Acetone	MG/KG		5.80E+01				<0.0070	<0.0070	**0.0070 J**	**0.0130 J**	<0.0070	<0.0100	<0.0100
Acetonitrile	MG/KG		5.20E-01				<0.0260	<0.0260	<0.0260	<0.0260	<0.0250	<0.0360	<0.0350
Acrolein	MG/KG		1.68E-04				<0.0210	<0.0210	<0.0210	<0.0210	<0.0200	<0.0290	<0.0280
Acrylonitrile	MG/KG		2.20E-04				<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0060	<0.0060
Allyl Chloride	MG/KG		4.60E-03				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03				<0.00050	<0.00050	**0.0030 J**	<0.00050	<0.00050	<0.00070	<0.00070
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG						<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00				<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030 UL	<0.0030 UL
Ethyl Chloride	MG/KG		1.18E+02				<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0030
Ethyl Methacrylate	MG/KG		2.20E+00				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03					<1.5000					
Iodomethane	MG/KG						<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0040	<0.0040
Isobutyl Alcohol	MG/KG		2.40E+01				<0.1000	<0.1000	<0.1000	<0.1100	<0.1000	<0.1400	<0.1400
Methacrylonitrile	MG/KG		8.60E-03				<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0070	<0.0070
Methyl Bromide	MG/KG		3.80E-02				<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0030
Methyl Chloride	MG/KG		9.80E-01				<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0030
Methyl Ethyl Ketone	MG/KG		2.40E+01				<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0060	<0.0060
Methyl Isobutyl Ketone	MG/KG		5.60E+00				<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0040	<0.0040
Methyl Methacrylate	MG/KG		6.00E+00				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methyl Tertiary Butyl Ether	MG/KG		6.40E-02									<0.00070	<0.00070
Methylene Bromide	MG/KG		4.00E-02				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02				<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0030
Pentachloroethane	MG/KG		6.20E-03				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG						<0.0310	<0.0310	<0.0310	<0.0320	<0.0300	<0.0430	<0.0420
Styrene	MG/KG	2.20E+00	2.60E+01				<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Tertiary Butyl Alcohol	MG/KG											<0.0290	<0.0280

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCA-1	AOCA-1	AOCA-3	AOCA-3	AOCA-3	AOCE-1	AOCE-1
					Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321	28508382	28508383
					Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)	BEL-S-AOCE-1(0.5-1)	BEL-S-AOCE-1(0.5-1)-DUP
					Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012	11/09/2012	11/09/2012
					Start Depth - End Depth	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	Fill	Fill
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			<0.0010	<0.0010	**0.006**	<0.0010	<0.0010	**0.0020 J**	**0.0020 J**
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0100	<0.0100	<0.0100	<0.0110	<0.0100	<0.0140	<0.0140
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0030
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0030 UL	<0.0030 UL
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.0010	<0.0010	**0.0010 J**	<0.0010	<0.0010	<0.0010	**0.0020 J**
Semi-Volatile Organic Compounds												
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2100	<0.2100	<0.8900	<0.2100	<0.2100	<0.1700	<1.1000
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
1,4-Dioxane	MG/KG		1.88E-03			<0.1300	<0.1200	<0.5300	<0.1200	<0.1200	<0.1000	<0.6300
1,4-Naphthoquinone	MG/KG					<1.1000	<1.0000	<4.4000	<1.0000	<1.0000	<0.8700	<5.3000
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01								
1-Naphthylamine	MG/KG					<0.2100	<0.2100	<0.8900	<0.2100	<0.2100	<0.1700 UL	<1.1000 UL
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3800	<0.3700	<1.6000	<0.3700	<0.3700	<0.3100	<1.9000
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
2,6-Dichlorophenol	MG/KG					<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0090	<0.0090	<0.0370	<0.0090	<0.0090	<0.0070	<0.0440
2-Chlorophenol	MG/KG		1.48E+00			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		<0.0040	<0.0040	**0.18**	<0.0040	<0.0040	**0.4**	**0.0670 J**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
2-Naphthylamine	MG/KG		4.00E-03			<0.2100 UL	<0.2100	<0.8900 UL	<0.2100 UL	<0.2100 UL	<0.1700 UL	<1.1000 UL
2-Nitroaniline	MG/KG		1.60E+00			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
2-Nitrophenol	MG/KG					<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
2-Picoline	MG/KG					<0.1300	<0.1200	<0.5300	<0.1200	<0.1200	<0.1000	<0.6300
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1300	<0.1200	<0.5300	<0.1200	<0.1200	<0.1000	<0.6300
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.6300	<0.6200	<2.7000	<0.6200	<0.6200	<0.5200	<3.2000
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
3-Nitroaniline	MG/KG					<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2100	<0.2100	<0.8900	<0.2100	<0.2100	<0.1700	<1.1000
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2100	<0.2100	<0.8900	<0.2100	<0.2100	<0.1700	<1.1000
4-Bromophenyl Phenyl Ether	MG/KG					<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
4-Chloroaniline	MG/KG		3.20E-03			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170 UL	<0.1100 UL
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
4-Nitroaniline	MG/KG		3.20E-02			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
4-Nitrophenol	MG/KG					<0.2100	<0.2100	<0.8900	<0.2100	<0.2100	<0.1700	<1.1000
4-Nitroquinoline-N-Oxide	MG/KG					<0.4200	<0.4100	<1.8000	<0.4200	<0.4200	<0.3500	<2.1000

Summary of Analytical Results - AOC A, AOC E, and SWMU 191 - Comparison to SSLs
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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCA-1	AOCA-1	AOCA-3	AOCA-3	AOCA-3	AOCE-1	AOCE-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321	28508382	28508383
					Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)	BEL-S-AOCE-1(0.5-1)	BEL-S-AOCE-1(0.5-1)-DUP
					Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012	11/09/2012	11/09/2012
					Start Depth - End Depth	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	Fill	Fill
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2100	<0.2100	<0.8900	<0.2100	<0.2100	<0.1700	<1.1000
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0040	<0.0040	<0.0180	<0.0040	<0.0040	**0.021**	<0.0210
Acenaphthylene	MG/KG			3.10E-01		<0.0040	<0.0040	**0.0680 J**	<0.0040	<0.0040	**2.1**	**0.15**
Acetophenone	MG/KG		1.16E+01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	**0.038**	<0.1100
Aniline	MG/KG		9.20E-02			<0.2100	<0.2100	<0.8900	<0.2100	<0.2100	<0.1700	<1.1000
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0040	**0.0060 J**	**0.11**	<0.0040	<0.0040	**2.8**	**0.0430 J**
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		<0.0040	**0.0100 J**	**0.18**	<0.0040	<0.0040	**13**	**0.26**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		<0.0040	**0.0120 J**	**0.3**	<0.0040	**0.0050 J**	**15**	**0.25**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		<0.0040	**0.0060 J**	**0.21**	<0.0040	<0.0040	**6**	**0.0500 J**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		<0.0040	**0.0080 J**	**0.1**	<0.0040	<0.0040	**3.1**	**0.11**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		<0.0040	**0.0090 J**	**0.22**	<0.0040	<0.0040	**8.7**	**0.12**
Benzyl Alcohol	MG/KG		9.60E+00			<0.2100	<0.2100	<0.8900	<0.2100	<0.2100	<0.1700	<1.1000
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03									
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
Chlorobenzilate	MG/KG		2.00E-02			<0.0420	<0.0410	<0.1800	<0.0420	<0.0420	<0.0350	<0.2100
Chrysene	MG/KG		2.40E+01	1.50E+00		<0.0040	**0.0120 J**	**0.27**	<0.0040	<0.0040	**11**	**0.25**
Diallate	MG/KG		1.56E-02			<0.0420	<0.0410	<0.1800	<0.0420	<0.0420	<0.0350	<0.2100
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0040	<0.0040	**0.0420 J**	<0.0040	<0.0040	**2.4**	**0.0270 J**
Dibenzofuran	MG/KG		3.00E+00			<0.0210	<0.0210	**0.1200 J**	<0.0210	<0.0210	**0.35**	<0.1100
Diethyl Phthalate	MG/KG		1.22E+02			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
Dimethyl Phthalate	MG/KG					<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
Dimethoate	MG/KG		1.80E-02			<0.2100 UL	<0.2100	<0.8900 UL	<0.2100 UL	<0.2100 UL	<0.1700	<1.1000
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
Ethyl Methanesulfonate	MG/KG					<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
Famphur	MG/KG											
Fluoranthene	MG/KG		1.78E+03	1.90E+00		<0.0040	**0.0170 J**	**0.4**	<0.0040	<0.0040	**27**	**0.47**
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.0040	**0.0050 J**	**0.0470 J**	<0.0040	<0.0040	**0.24**	<0.0210
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040	<0.0040	<0.0180	<0.0040	<0.0040	<0.0030	<0.0210
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2100	<0.2100	<0.8900	<0.2100	<0.2100	<0.1700	<1.1000
Hexachloroethane	MG/KG		4.00E-03			<0.0420	<0.0410	<0.1800	<0.0420	<0.0420	<0.0350	<0.2100
Hexachlorophene	MG/KG		1.60E+02									
Hexachloropropylene	MG/KG					<0.1300	<0.1200	<0.5300	<0.1200	<0.1200	<0.1000	<0.6300
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		<0.0040	**0.0040 J**	**0.13**	<0.0040	<0.0040	**5.9**	**0.0500 J**
Isodrin	MG/KG					<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
Isophorone	MG/KG		5.20E-01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
Isosafrole	MG/KG					<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
Kepone	MG/KG		2.40E-03									
Methapyrilene	MG/KG					<2.1000	<2.1000	<8.9000	<2.1000	<2.1000	<1.7000	<11.0000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0420	<0.0410	<0.1800	<0.0420	<0.0420	<0.0350	<0.2100
Naphthalene	MG/KG		1.08E-02	1.20E+00		<0.0040	**0.0090 J**	**0.14**	<0.0040	<0.0040	**0.6**	**0.2**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
Nitrobenzene	MG/KG		1.84E-03			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCA-1	AOCA-1	AOCA-3	AOCA-3	AOCA-3	AOCE-1	AOCE-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321	28508382	28508383
					Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)	BEL-S-AOCE-1(0.5-1)	BEL-S-AOCE-1(0.5-1)-DUP
					Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012	11/09/2012	11/09/2012
					Start Depth - End Depth	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	Fill	Fill
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
O,O,O-Triethylphosphorothioate	MG/KG					<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
O-Toluidine	MG/KG					<0.2500	<0.2500	<1.1000	<0.2500	<0.2500	<0.2100 UL	<1.3000 UL
para-Phenylenediamine	MG/KG		2.00E+01			<15.0000	<14.0000	<62.0000	<15.0000	<15.0000	<12.0000	<74.0000
Parathion	MG/KG		8.60E+00									
Pentachlorobenzene	MG/KG		4.80E-01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0420	<0.0410	<0.1800	<0.0420	<0.0420	<0.0350	<0.2100
Phenacetin	MG/KG		1.94E-01			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
Phenanthrene	MG/KG			8.70E-01		<0.0040	**0.0240**	**0.33**	**0.0050 J**	**0.0060 J**	**7**	**0.14**
Phenol	MG/KG		6.60E+01			<0.0210	<0.0210	<0.0890	<0.0210	<0.0210	<0.0170	<0.1100
Pronamide	MG/KG		2.40E+01			<0.0420	<0.0410	<0.1800	<0.0420	<0.0420	<0.0350	<0.2100
Pyrene	MG/KG		2.60E+02	1.50E+00		<0.0040	**0.0190 J**	**0.44**	<0.0040	<0.0040	**20**	**0.4**
Pyridine	MG/KG		1.36E-01			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
Safrole	MG/KG		1.18E-03			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
Thionazin	MG/KG					<0.0850	<0.0820	<0.3600	<0.0830	<0.0830	<0.0700	<0.4200
Pesticides and PCBs												
4,4'-DDD	MG/KG		1.44E-01									
4,4'-DDE	MG/KG		2.20E-01									
4,4'-DDT	MG/KG		1.54E+00									
Aldrin	MG/KG		3.00E-03									
Alpha-BHC	MG/KG		8.20E-04									
beta-BHC	MG/KG		2.80E-03									
Chlordane	MG/KG											
delta-BHC	MG/KG											
Dieldrin	MG/KG		1.38E-03									
Disulfoton	MG/KG		1.88E-02									
Endosulfan I	MG/KG											
Endosulfan II	MG/KG											
Endosulfan Sulfate	MG/KG											
Endrin	MG/KG	1.62E+00	1.84E+00									
Endrin Aldehyde	MG/KG											
Heptachlor	MG/KG	6.60E-01	2.20E-03									
Heptachlor Epoxide	MG/KG	8.20E-02	5.60E-04									
Lindane	MG/KG	2.40E-02	4.80E-03									
Methoxychlor	MG/KG	4.40E+01	4.00E+01									
Methyl Parathion	MG/KG		1.48E-01									
Phorate	MG/KG		6.80E-02									
Toxaphene	MG/KG	9.20E+00	4.80E-02									
PCB 1016	MG/KG		4.20E-01									
PCB 1221	MG/KG		1.58E-03									
PCB 1232	MG/KG		1.58E-03									
PCB 1242	MG/KG		2.40E-02									
PCB 1248	MG/KG		2.40E-02									
PCB 1254	MG/KG		4.00E-02									
PCB 1260	MG/KG		1.10E-01									
2,4,5-T	MG/KG		1.34E+00									

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCA-1	AOCA-1	AOCA-3	AOCA-3	AOCA-3	AOCE-1	AOCE-1
					Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321	28508382	28508383
					Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)	BEL-S-AOCE-1(0.5-1)	BEL-S-AOCE-1(0.5-1)-DUP
					Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012	11/09/2012	11/09/2012
					Start Depth - End Depth	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	Fill	Fill
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01									
Dinoseb	MG/KG	1.24E+00	2.60E+00									
Silvex	MG/KG	5.60E-01	1.22E+00									
Inorganics												
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		<0.205		**0.162 J**	**0.135 J**	**0.156 J**	**9.05**	**0.624**
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**9.98**		**4.51**	**8.9**	**7.32**	**15.9**	**3.1**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**175**		**49.4**	**151**	**162**	**87.7**	**45.4**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**1.51**		**0.843**	**1.37**	**1.33**	**0.594**	**0.389 J**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		<0.0411		<0.0353	<0.0419	<0.0403	**0.280 J**	**0.112 J**
Calcium	MG/KG											

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28595317	P4S-0513-AOCA-1-15-16	28595319	28595320	28595321	28508382	28508383
					Sample Name	BEL-S-AOCA-1(15-16)		BEL-S-AOCA-3(0.5-1)	BEL-S-AOCA-3(8-9)	BEL-S-AOCA-3(20-21)	BEL-S-AOCE-1(0.5-1)	BEL-S-AOCE-1(0.5-1)-DUP
					Date Sampled	11/28/2012	05/23/2013	11/28/2012	11/28/2012	11/28/2012	11/09/2012	11/09/2012
					Start Depth - End Depth	15 - 16	15 - 16	0.5 - 1	8 - 9	20 - 21	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS	DUP
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	Fill	Fill
Chromium	MG/KG	3.60E+06		4.40E+01		25.3 K		13.6 K	27.5 K	22.8 K	17.7 K	2.83 K
Cobalt	MG/KG		5.40E+00	2.23E+01		7.42		10.3	11.3	12.6	6.25	1.75
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		21		19.6	17.9	21.2	94.9	14.5
Iron	MG/KG		7.00E+03									
Lead	MG/KG	2.80E+02		1.06E+02		20.6		21	28.2	20	118	6.58
Magnesium	MG/KG											
Mercury	MG/KG	2.00E+00		4.14E+00		0.0398 J		0.13	0.0217 J	0.0465 J	0.561	0.314
Nickel	MG/KG		5.20E+02	2.59E+01		25.3		17.6	21.9	24.2	12.5	3.26
Potassium	MG/KG											
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		0.323 J		0.321 J	0.728	0.240 J	2.97	0.819
Silver	MG/KG		1.60E+01			<0.174		<0.150	<0.178	<0.171	0.854	<0.148
Sodium	MG/KG											
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		0.313		0.135	0.231	0.265	0.13	0.0830 J
Tin	MG/KG		6.00E+04			2.63 B		2.55 B	2.74 B	2.70 B	5.85 B	2.12 B
Vanadium	MG/KG		1.72E+03	6.74E+01		34.6		17.2	35.2	33.5	10.9	3.57
Zinc	MG/KG		7.40E+03	1.33E+02		85.4		54.1	74.1	80.2	28.7	8.63
Miscellaneous												
Total Organic Carbon	MG/KG						2600					
Ammonia	MG/KG						140					
Cyanide	MG/KG	4.00E+01	3.00E-01									
Percent Moisture	%					21.2	19.9	7.5	21.2	19.8	4.4	5.1
Percent Moisture	% BY WT.											
Ph	STD UNITS											
Specific Conductance	UMHOS/CM											
Sulfide	MG/KG											

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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					Field Sample ID	28508384	28508385	28508386	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
					Sample Name	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)				
					Date Sampled	11/09/2012	11/09/2012	11/09/2012	05/23/2013	05/22/2013	05/22/2013	05/23/2013
					Start Depth - End Depth	7 - 8	22 - 23	34 - 35	34 - 35	7 - 8	7 - 8	7 - 8
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.1000	<0.0020	<0.0020	<0.0020	<0.0020		
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010	<0.0210	
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
1,3-Dichlorobenzene	MG/KG					<0.0510	<0.0010	<0.0010	<0.0010	<0.0010	<0.0210	
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010	<0.0210	
2-Hexanone	MG/KG		1.76E-01			<0.1500	<0.0030	<0.0040	<0.0030	<0.0030		
Acetone	MG/KG		5.80E+01			<0.3600	<0.0070	**0.0310**	**0.0470**	**0.0290**		
Acetonitrile	MG/KG		5.20E-01			<1.3000	<0.0250	<0.0300	<0.0280	<0.0270		
Acrolein	MG/KG		1.68E-04			<1.0000	<0.0200	<0.0240	<0.0220	<0.0210		
Acrylonitrile	MG/KG		2.20E-04			<0.2000	<0.0040	<0.0050	<0.0040	<0.0040		
Allyl Chloride	MG/KG		4.60E-03			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Benzene	MG/KG	5.20E-02	4.60E-03			**0.0950 J**	<0.00050	<0.00060	<0.00060	<0.00050		
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Carbon Disulfide	MG/KG		4.80E+00			<0.0510	<0.0010	**0.0020 J**	<0.0010	<0.0010		
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Chloroprene	MG/KG		1.96E-04			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
cis-1,3-Dichloropropene	MG/KG					<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.1000 UL	<0.0020 UL	<0.0020 UL	<0.0020	<0.0020		
Ethyl Chloride	MG/KG		1.18E+02			<0.1000 UL	<0.0020	<0.0020	<0.0020	<0.0020		
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			**0.1300 J**	<0.0010	<0.0010	<0.0010	<0.0010		
Formaldehyde	MG/KG		1.74E-03						**46**	**19**	**23**	**20**
Iodomethane	MG/KG					<0.1500	<0.0030	<0.0040	<0.0030	<0.0030		
Isobutyl Alcohol	MG/KG		2.40E+01			<5.1000	<0.1000	<0.1200	<0.1100	<0.1100		
Methacrylonitrile	MG/KG		8.60E-03			<0.2500	<0.0050	<0.0060	<0.0060	<0.0050		
Methyl Bromide	MG/KG		3.80E-02			<0.1000 UL	<0.0020	<0.0020	<0.0020	<0.0020		
Methyl Chloride	MG/KG		9.80E-01			<0.1000 UL	<0.0020	<0.0020	<0.0020	<0.0020		
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.2000	<0.0040	<0.0050	**0.0080 J**	**0.0040 J**		
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.1500	<0.0030	<0.0040	<0.0030	<0.0030		
Methyl Methacrylate	MG/KG		6.00E+00			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Methyl Tertiary Butyl Ether	MG/KG		6.40E-02			<0.0250	<0.00050	<0.00060				
Methylene Bromide	MG/KG		4.00E-02			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.1000	<0.0020	<0.0020	<0.0020	<0.0020		
Pentachloroethane	MG/KG		6.20E-03			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Propionitrile	MG/KG					<1.5000	<0.0300	<0.0360	<0.0340	<0.0320		
Styrene	MG/KG	2.20E+00	2.60E+01			**0.0590 J**	<0.0010	<0.0010	<0.0010	<0.0010		
Tertiary Butyl Alcohol	MG/KG					<1.0000	<0.0200	<0.0240				

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					Field Sample ID	28508384	28508385	28508386	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
					Sample Name	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)				
					Date Sampled	11/09/2012	11/09/2012	11/09/2012	05/23/2013	05/22/2013	05/22/2013	05/23/2013
					Start Depth - End Depth	7 - 8	22 - 23	34 - 35	34 - 35	7 - 8	7 - 8	7 - 8
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Toluene	MG/KG	1.38E+01	1.52E+01			**0.0830 J**	<0.0010	<0.0010	<0.0010	<0.0010		
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
trans-1,3-Dichloropropene	MG/KG					<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.5100	<0.0100	<0.0120	<0.0110	<0.0110		
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0510	<0.0010	<0.0010	<0.0010	<0.0010		
Trichlorofluoromethane	MG/KG		1.46E+01			<0.1000 UL	<0.0020	<0.0020	<0.0020	<0.0020		
Vinyl Acetate	MG/KG		1.74E+00			<0.1000 UL	<0.0020 UL	<0.0020 UL	<0.0020	<0.0020		
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0510 UL	<0.0010	<0.0010	<0.0010	<0.0010		
Xylenes	MG/KG	1.96E+02	3.80E+00			**1.3000 L**	<0.0010	<0.0010	<0.0010	<0.0010		
Semi-Volatile Organic Compounds												
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2100	<0.2100	<0.2400	<0.2200	<0.2200	<0.2100	
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
1,4-Dioxane	MG/KG		1.88E-03			<0.1300	<0.1200	<0.1400	<0.1300	<0.1300	<0.1200	
1,4-Naphthoquinone	MG/KG					<1.1000	<1.0000	<1.2000	<1.1000	<1.1000	<1.0000	
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01								
1-Naphthylamine	MG/KG					<0.2100 UL	<0.2100 UL	<0.2400 UL	<0.2200	<0.2200	<0.2100	
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3900	<0.3700	<0.4300	<0.4000	<0.4000	<0.3700	
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
2,6-Dichlorophenol	MG/KG					<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0090	<0.0090	<0.0100	<0.0090	<0.0090	<0.0090	
2-Chlorophenol	MG/KG		1.48E+00			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**5.7000 L**	**0.035**	**0.0190 J**	**0.0050 J**	**0.026**	**0.0110 J**	
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
2-Naphthylamine	MG/KG		4.00E-03			<0.2100 UL	<0.2100 UL	<0.2400 UL	<0.2200	<0.2200	<0.2100	
2-Nitroaniline	MG/KG		1.60E+00			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
2-Nitrophenol	MG/KG					<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
2-Picoline	MG/KG					<0.1300	<0.1200	<0.1400	<0.1300	<0.1300	<0.1200	
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1300	<0.1200	<0.1400	<0.1300	<0.1300	<0.1200	
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.6400 UL	<0.6200	<0.7100	<0.6600	<0.6600	<0.6200	
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
3-Nitroaniline	MG/KG					<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2100	<0.2100	<0.2400	<0.2200	<0.2200	<0.2100	
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2100	<0.2100	<0.2400	<0.2200	<0.2200	<0.2100	
4-Bromophenyl Phenyl Ether	MG/KG					<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
4-Chloroaniline	MG/KG		3.20E-03			<0.0210 UL	<0.0210 UL	<0.0240 UL	<0.0220	<0.0220	<0.0210	
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0210	<0.0210	<0.0240	<0.0220	**0.093**	<0.0210	
4-Nitroaniline	MG/KG		3.20E-02			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
4-Nitrophenol	MG/KG					<0.2100	<0.2100	<0.2400	<0.2200	<0.2200	<0.2100	
4-Nitroquinoline-N-Oxide	MG/KG					<0.4300 UL	<0.4200	<0.4700	<0.4400	<0.4400	<0.4100	

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1
					Field Sample ID	28508384	28508385	28508386	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
					Sample Name	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)				
					Date Sampled	11/09/2012	11/09/2012	11/09/2012	05/23/2013	05/22/2013	05/22/2013	05/23/2013
					Start Depth - End Depth	7 - 8	22 - 23	34 - 35	34 - 35	7 - 8	7 - 8	7 - 8
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2100	<0.2100	<0.2400	<0.2200	<0.2200	<0.2100	
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
Acenaphthene	MG/KG		1.10E+02	3.40E-02		**0.62**	**0.043**	<0.0050	<0.0040	<0.0040	**0.0040 J**	
Acenaphthylene	MG/KG			3.10E-01		**3.9000 J**	**0.098**	**0.0130 J**	<0.0040	<0.0040	<0.0040	
Acetophenone	MG/KG		1.16E+01			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
Aniline	MG/KG		9.20E-02			<0.2100	<0.2100	<0.2400	<0.2200	<0.2200	<0.2100	
Anthracene	MG/KG		1.16E+03	4.40E-01		**4.4000 J**	**0.18**	**0.0190 J**	**0.0050 J**	<0.0040	**0.0070 J**	
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**3.8000 J**	**0.16**	**0.0230 J**	**0.0060 J**	<0.0040	**0.0070 J**	
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**3.1000 J**	**0.13**	**0.025**	**0.0070 J**	**0.0140 J**	**0.0080 J**	
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**1.2000 L**	**0.064**	**0.0090 J**	<0.0040	**0.0110 J**	<0.0040	
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**0.9600 L**	**0.046**	<0.0050	<0.0040	**0.0060 J**	**0.0050 J**	
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**2.5000 L**	**0.11**	<0.0050	<0.0040	<0.0040	<0.0040	
Benzyl Alcohol	MG/KG		9.60E+00			<0.2100	<0.2100	<0.2400	<0.2200	<0.2200	<0.2100	
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03									
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
Chlorobenzilate	MG/KG		2.00E-02			<0.0430	<0.0420	<0.0470	<0.0440	<0.0440	<0.0410	
Chrysene	MG/KG		2.40E+01	1.50E+00		**2.6000 J**	**0.11**	**0.026**	**0.0080 J**	**0.0170 J**	**0.0110 J**	
Diallate	MG/KG		1.56E-02			<0.0430	<0.0420	<0.0470	<0.0440	<0.0440	<0.0410	
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		**0.49**	**0.022**	<0.0050	<0.0040	<0.0040	<0.0040	
Dibenzofuran	MG/KG		3.00E+00			**3.9000 J**	**0.13**	<0.0240	<0.0220	<0.0220	<0.0210	
Diethyl Phthalate	MG/KG		1.22E+02			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
Dimethyl Phthalate	MG/KG					<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
Dimethoate	MG/KG		1.80E-02			<0.2100	<0.2100	<0.2400	<0.2200	<0.2200	<0.2100	
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
Ethyl Methanesulfonate	MG/KG					<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
Famphur	MG/KG											
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**7.9**	**0.35**	**0.046**	**0.0090 J**	**0.0190 J**	**0.0110 J**	
Fluorene	MG/KG		1.08E+02	8.50E-02		**5.1000 J**	**0.16**	**0.0150 J**	**0.0050 J**	<0.0040	**0.0070 J**	
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040	<0.0040	<0.0050	<0.0040	<0.0040	**0.0070 J**	
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2100	<0.2100	<0.2400	<0.2200	<0.2200	<0.2100	
Hexachloroethane	MG/KG		4.00E-03			<0.0430	<0.0420	<0.0470	<0.0440	<0.0440	<0.0410	
Hexachlorophene	MG/KG		1.60E+02									
Hexachloropropylene	MG/KG					<0.1300	<0.1200	<0.1400	<0.1300	<0.1300	<0.1200	
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**1.1000 L**	**0.053**	**0.0100 J**	<0.0040	<0.0040	<0.0040	
Isodrin	MG/KG					<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
Isophorone	MG/KG		5.20E-01			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
Isosafrole	MG/KG					<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
Kepone	MG/KG		2.40E-03									
Methapyrilene	MG/KG					<2.1000 UL	<2.1000	<2.4000	<2.2000	<2.2000	<2.1000	
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0430 UL	<0.0420	<0.0470	<0.0440	<0.0440	<0.0410	
Naphthalene	MG/KG		1.08E-02	1.20E+00		**14**	**0.13**	**0.026**	**0.0080 J**	**0.03**	**0.0150 J**	
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
Nitrobenzene	MG/KG		1.84E-03			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	

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					Field Sample ID	28508384	28508385	28508386	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
					Sample Name	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)				
					Date Sampled	11/09/2012	11/09/2012	11/09/2012	05/23/2013	05/22/2013	05/22/2013	05/23/2013
					Start Depth - End Depth	7 - 8	22 - 23	34 - 35	34 - 35	7 - 8	7 - 8	7 - 8
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
O,O,O-Triethylphosphorothioate	MG/KG					<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
O-Toluidine	MG/KG					<0.2600 UL	<0.2500 UL	<0.2800 UL	<0.2600	<0.2600	<0.2500	
para-Phenylenediamine	MG/KG		2.00E+01			<15.0000	<15.0000	<17.0000	<15.0000	<15.0000	<14.0000	
Parathion	MG/KG		8.60E+00									
Pentachlorobenzene	MG/KG		4.80E-01			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0430	<0.0420	<0.0470	<0.0440	<0.0440	<0.0410	
Phenacetin	MG/KG		1.94E-01			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
Phenanthrene	MG/KG			8.70E-01		**14**	**0.56**	**0.055**	**0.0190 J**	**0.026**	**0.021**	
Phenol	MG/KG		6.60E+01			<0.0210	<0.0210	<0.0240	<0.0220	<0.0220	<0.0210	
Pronamide	MG/KG		2.40E+01			<0.0430	<0.0420	<0.0470	<0.0440	<0.0440	<0.0410	
Pyrene	MG/KG		2.60E+02	1.50E+00		**6.3000 L**	**0.27**	**0.046**	**0.0090 J**	**0.0150 J**	**0.0120 J**	
Pyridine	MG/KG		1.36E-01			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
Safrole	MG/KG		1.18E-03			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
Thionazin	MG/KG					<0.0860	<0.0830	<0.0950	<0.0880	<0.0880	<0.0820	
Pesticides and PCBs												
4,4'-DDD	MG/KG		1.44E-01									
4,4'-DDE	MG/KG		2.20E-01									
4,4'-DDT	MG/KG		1.54E+00									
Aldrin	MG/KG		3.00E-03									
Alpha-BHC	MG/KG		8.20E-04									
beta-BHC	MG/KG		2.80E-03									
Chlordane	MG/KG											
delta-BHC	MG/KG											
Dieldrin	MG/KG		1.38E-03									
Disulfoton	MG/KG		1.88E-02									
Endosulfan I	MG/KG											
Endosulfan II	MG/KG											
Endosulfan Sulfate	MG/KG											
Endrin	MG/KG	1.62E+00	1.84E+00									
Endrin Aldehyde	MG/KG											
Heptachlor	MG/KG	6.60E-01	2.20E-03									
Heptachlor Epoxide	MG/KG	8.20E-02	5.60E-04									
Lindane	MG/KG	2.40E-02	4.80E-03									
Methoxychlor	MG/KG	4.40E+01	4.00E+01									
Methyl Parathion	MG/KG		1.48E-01									
Phorate	MG/KG		6.80E-02									
Toxaphene	MG/KG	9.20E+00	4.80E-02									
PCB 1016	MG/KG		4.20E-01									
PCB 1221	MG/KG		1.58E-03									
PCB 1232	MG/KG		1.58E-03									
PCB 1242	MG/KG		2.40E-02									
PCB 1248	MG/KG		2.40E-02									
PCB 1254	MG/KG		4.00E-02									
PCB 1260	MG/KG		1.10E-01									
2,4,5-T	MG/KG		1.34E+00									

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28508384	28508385	28508386	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
					Sample Name	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)				
					Date Sampled	11/09/2012	11/09/2012	11/09/2012	05/23/2013	05/22/2013	05/22/2013	05/23/2013
					Start Depth - End Depth	7 - 8	22 - 23	34 - 35	34 - 35	7 - 8	7 - 8	7 - 8
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01									
Dinoseb	MG/KG	1.24E+00	2.60E+00									
Silvex	MG/KG	5.60E-01	1.22E+00									
Inorganics												
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		<0.0840	**0.0913 J**	**0.113 J**				
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**5.25**	**2.15**	**5.35**				
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**184**	**129**	**135**				
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**1.37**	**0.93**	**1.11**				
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		**0.157 J**	**0.176 J**	**0.471 J**				
Calcium	MG/KG											**2650 J**

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1	AOCE-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28508384	28508385	28508386	P4S-0513-AOCE-1-34-35	P4S-0513-AOCE-1-7-8	P4S-0513-AOCE-1-7-8-D	P4S-0513-AOCE-1-7-8A
					Sample Name	BEL-S-AOCE-1(7-8)	BEL-S-AOCE-1(22-23)	BEL-S-AOCE-1(34-35)				
					Date Sampled	11/09/2012	11/09/2012	11/09/2012	05/23/2013	05/22/2013	05/22/2013	05/23/2013
					Start Depth - End Depth	7 - 8	22 - 23	34 - 35	34 - 35	7 - 8	7 - 8	7 - 8
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil
Chromium	MG/KG	3.60E+06		4.40E+01		**26.2 K**	**20.8 K**	**19.0 K**				
Cobalt	MG/KG		5.40E+00	2.23E+01		**10.3**	**8.21**	**14.5**				
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**16.5**	**16.6**	**16**				
Iron	MG/KG		7.00E+03									**22900 J**
Lead	MG/KG	2.80E+02		1.06E+02		**19**	**16.3**	**14.1**				
Magnesium	MG/KG											**2440**
Mercury	MG/KG	2.00E+00		4.14E+00		**0.0249 J**	**0.0377 J**	**0.0251 J**				
Nickel	MG/KG		5.20E+02	2.59E+01		**25.4**	**17.7**	**25.5**				
Potassium	MG/KG											**1780 J**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.623**	**0.947**	**0.518 J**				
Silver	MG/KG		1.60E+01			<0.178	<0.171	<0.191				
Sodium	MG/KG											**467**
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.254**	**0.211**	**0.204**				
Tin	MG/KG		6.00E+04			**2.91 B**	**2.70 B**	**2.85 B**				
Vanadium	MG/KG		1.72E+03	6.74E+01		**35.9**	**27.4**	**27.3**				
Zinc	MG/KG		7.40E+03	1.33E+02		**84.5**	**60.9**	**78.9**				
Miscellaneous												
Total Organic Carbon	MG/KG								**6950**	**10000 J**	**4240 J**	
Ammonia	MG/KG								**165**	**243 J**	<62.7	**178**
Cyanide	MG/KG	4.00E+01	3.00E-01									
Percent Moisture	%					**22.2**	**19.7**	**29.5**	**24.4**	**24.2 J**	**18.7 J**	**26.4**
Percent Moisture	% BY WT.											
Ph	STD UNITS											**5.46 J**
Specific Conductance	UMHOS/CM											**442**
Sulfide	MG/KG											

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (wh
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Summary of Analytical Results - AOC A, AOC E, and SWMU 191 - Comparison to SSLs
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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1-1	AOCE-1-1	AOCE-1-2	AOCE-1-2	AOCE-1-3	AOCE-1-3	AOCE-3	AOCE-3
					Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5	SS1113-AOCE-1-3-7	28598603	28598604
					Sample Name							BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)
					Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Native Soil
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03									<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01									<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04									<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03									<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02									<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00									<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06									<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06									<0.0020 UL	<0.0020 UL
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05									<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00									<0.0010 UJ	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04									<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03									<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG											<0.0010 UJ	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03									<0.0010 UJ	<0.0010
2-Hexanone	MG/KG		1.76E-01									<0.0030	<0.0030
Acetone	MG/KG		5.80E+01									**0.0490**	**0.0120 J**
Acetonitrile	MG/KG		5.20E-01									<0.0280	<0.0260
Acrolein	MG/KG		1.68E-04									<0.0230	<0.0210
Acrylonitrile	MG/KG		2.20E-04									<0.0050	<0.0040
Allyl Chloride	MG/KG		4.60E-03									<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03									**0.0100 J**	<0.00050
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04									<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02									<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00									**0.0040 J**	<0.0010
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03									<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00									<0.0010 UJ	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04									<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03									<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04									<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01									<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG											<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00									<0.0020	<0.0020
Ethyl Chloride	MG/KG		1.18E+02									<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00									<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02									<0.0010 UJ	<0.0010
Formaldehyde	MG/KG		1.74E-03										
Iodomethane	MG/KG											<0.0030	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01									<0.1100	<0.1000
Methacrylonitrile	MG/KG		8.60E-03									<0.0060	<0.0050
Methyl Bromide	MG/KG		3.80E-02									<0.0020	<0.0020
Methyl Chloride	MG/KG		9.80E-01									<0.0020	<0.0020
Methyl Ethyl Ketone	MG/KG		2.40E+01									**0.0060 J**	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00									<0.0030	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00									<0.0010	<0.0010
Methyl Tertiary Butyl Ether	MG/KG		6.40E-02									<0.00060	<0.00050
Methylene Bromide	MG/KG		4.00E-02									<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02									<0.0020	<0.0020
Pentachloroethane	MG/KG		6.20E-03									<0.0010	<0.0010
Propionitrile	MG/KG											<0.0340	<0.0310
Styrene	MG/KG	2.20E+00	2.60E+01									<0.0010 UJ	<0.0010
Tertiary Butyl Alcohol	MG/KG											<0.0230	<0.0210

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1-1	AOCE-1-1	AOCE-1-2	AOCE-1-2	AOCE-1-3	AOCE-1-3	AOCE-3	AOCE-3
					Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5	SS1113-AOCE-1-3-7	28598603	28598604
					Sample Name							BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)
					Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Native Soil
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20										
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01									<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01									**0.0050 J**	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00									<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG											<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05									<0.0110	<0.0100
Trichloroethene	MG/KG	3.60E-02	3.60E-03									<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01									<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00									<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04									<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00									<0.0010 UJ	<0.0010
Semi-Volatile Organic Compounds													
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01									<0.0950	<0.0210
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02									<0.0950	<0.0210
1,3,5-Trinitrobenzene	MG/KG		4.20E+01									<0.9500	<0.2100
1,3-Dinitrobenzene	MG/KG		3.60E-02									<0.3800	<0.0850
1,4-Dioxane	MG/KG		1.88E-03									<0.5700	<0.1300
1,4-Naphthoquinone	MG/KG											<4.8000	<1.1000
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01		**4.2**	**250**	**1.6**	**3.3**	**0.2600 J**	**16**		
1-Naphthylamine	MG/KG											<0.9500	<0.2100
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01									<0.3800	<0.0850
2,4,5-Trichlorophenol	MG/KG		8.80E+01									<0.0950	<0.0210
2,4,6-Trichlorophenol	MG/KG		3.00E-01									<0.0950	<0.0210
2,4-Dichlorophenol	MG/KG		1.08E+00									<0.0950	<0.0210
2,4-Dimethylphenol	MG/KG		8.40E+00									<0.0950	<0.0210
2,4-Dinitrophenol	MG/KG		8.80E-01									<1.7000	<0.3800
2,4-Dinitrotoluene	MG/KG		6.40E-03									<0.3800	<0.0850
2,6-Dichlorophenol	MG/KG											<0.0950	<0.0210
2,6-Dinitrotoluene	MG/KG		1.34E-03									<0.0950	<0.0210
2-Acetylaminofluorene	MG/KG		1.44E-03									<0.3800	<0.0850
2-Chloronaphthalene	MG/KG		7.60E+01									<0.0400	<0.0090
2-Chlorophenol	MG/KG		1.48E+00									<0.0950	<0.0210
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**5.3**	**470**	**2.9**	**2.8**	<0.1800	**13**	**0.61**	<0.0040
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01									<0.0950	<0.0210
2-Naphthylamine	MG/KG		4.00E-03									<0.9500 UL	<0.2100 UL
2-Nitroaniline	MG/KG		1.60E+00									<0.0950	<0.0210
2-Nitrophenol	MG/KG											<0.0950	<0.0210
2-Picoline	MG/KG											<0.5700	<0.1300
3,3'-Dichlorobenzidine	MG/KG		1.62E-02									<0.5700	<0.1300
3,3'-Dimethylbenzidine	MG/KG		8.60E-04									<2.9000	<0.6400
3-Methylcholanthrene	MG/KG		4.40E-02									<0.0950	<0.0210
3-Nitroaniline	MG/KG											<0.3800	<0.0850
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02									<0.9500	<0.2100
4-Aminobiphenyl	MG/KG		3.00E-04									<0.9500	<0.2100
4-Bromophenyl Phenyl Ether	MG/KG											<0.0950	<0.0210
4-Chloro-3-Methylphenol	MG/KG		3.40E+01									<0.0950	<0.0210
4-Chloroaniline	MG/KG		3.20E-03									<0.0950	<0.0210
4-Chlorophenyl Phenyl Ether	MG/KG											<0.0950	<0.0210
4-Dimethylaminoazobenzene	MG/KG		4.20E-04									<0.3800	<0.0850
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01									<0.0950	<0.0210
4-Nitroaniline	MG/KG		3.20E-02									<0.3800	<0.0850
4-Nitrophenol	MG/KG											<0.9500	<0.2100
4-Nitroquinoline-N-Oxide	MG/KG											<1.9000	<0.4200

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1-1	AOCE-1-1	AOCE-1-2	AOCE-1-2	AOCE-1-3	AOCE-1-3	AOCE-3	AOCE-3
					Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5	SS1113-AOCE-1-3-7	28598603	28598604
					Sample Name							BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)
					Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Native Soil
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20										
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02									<0.9500	<0.2100
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03									<0.0950	<0.0210
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.1800	**69**	**0.2700 J**	**2.6**	<0.1800	**4.1**	**0.0380 J**	<0.0040
Acenaphthylene	MG/KG			3.10E-01		**0.2400 J**	**230**	**1.3**	**1.7**	<0.1800	**21**	**0.49**	<0.0040
Acetophenone	MG/KG		1.16E+01									**0.1700 J**	<0.0210
Aniline	MG/KG		9.20E-02									<0.9500	<0.2100
Anthracene	MG/KG		1.16E+03	4.40E-01		**0.3500 J**	**280**	**1.5**	**1.5**	**0.2100 J**	**34**	**0.46**	<0.0040
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.6500 J**	**220**	**1.1**	**0.032**	**0.3500 J**	**32**	**1.6**	<0.0040
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**1**	**170**	**1.1**	**0.04**	**0.99**	**19**	**2.4**	<0.0040
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.8700 J**	**72**	**0.6100 J**	**0.0210 J**	**0.7900 J**	**8.7**	**1.1**	<0.0040
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**0.4600 J**	**81**	**0.3900 J**	**0.0170 J**	**0.3100 J**	**9.8**	**0.98**	<0.0040
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**0.6500 J**	**170**	**0.91**	**0.024**	**0.5200 J**	**20**	**1.5**	<0.0040
Benzyl Alcohol	MG/KG		9.60E+00									<0.9500	<0.2100
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03										
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01									<0.0950	<0.0210
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05									<0.0950	<0.0210
Bis(2-Chloroisopropyl)Ether	MG/KG											<0.0950	<0.0210
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01									<0.3800	<0.0850
Butyl Benzyl Phthalate	MG/KG		4.60E+00									<0.3800	<0.0850
Chlorobenzilate	MG/KG		2.00E-02									<0.1900	<0.0420
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.95**	**180**	**0.97**	**0.034**	**0.5600 J**	**25**	**1.9**	<0.0040
Diallate	MG/KG		1.56E-02									<0.1900	<0.0420
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		**0.2800 J**	**25**	<0.1700	**0.0100 J**	**0.3900 J**	**2.9**	**0.36**	<0.0040
Dibenzofuran	MG/KG		3.00E+00									**0.23**	<0.0210
Diethyl Phthalate	MG/KG		1.22E+02									<0.3800	<0.0850
Dimethyl Phthalate	MG/KG											<0.3800	<0.0850
Dimethoate	MG/KG		1.80E-02									<0.9500 UL	<0.2100 UL
Di-N-Butyl Phthalate	MG/KG		4.60E+01									<0.3800	<0.0850
Ethyl Methanesulfonate	MG/KG											<0.3800	<0.0850
Famphur	MG/KG												
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.8400 J**	**460**	**2.4**	**0.75**	**0.5700 J**	**73**	**2.5**	<0.0040
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.1800	**320**	**1.7**	**3.1**	<0.1800	**35**	**0.0760 J**	<0.0040
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03									<0.0190	<0.0040
Hexachlorobutadiene	MG/KG		5.20E-03									<0.0950	<0.0210
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02									<0.9500	<0.2100
Hexachloroethane	MG/KG		4.00E-03									<0.1900	<0.0420
Hexachlorophene	MG/KG		1.60E+02										
Hexachloropropylene	MG/KG											<0.5700	<0.1300
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**0.7200 J**	**64**	**0.5200 J**	**0.0180 J**	**0.5400 J**	**7.8**	**1.1**	<0.0040
Isodrin	MG/KG											<0.0950	<0.0210
Isophorone	MG/KG		5.20E-01									<0.0950	<0.0210
Isosafrole	MG/KG											<0.3800	<0.0850
Kepone	MG/KG		2.40E-03										
Methapyrilene	MG/KG											<9.5000	<2.1000
Methyl Methanesulfonate	MG/KG		3.20E-03									<0.1900	<0.0420
Naphthalene	MG/KG		1.08E-02	1.20E+00		**3.8**	**1600**	**8.6**	**18**	**0.3300 J**	**28**	**0.81**	<0.0040
N-Dioctyl Phthalate	MG/KG		1.14E+03									<0.3800	<0.0850
Nitrobenzene	MG/KG		1.84E-03									<0.0950	<0.0210
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06									<0.3800	<0.0850
N-Nitrosodiethylamine	MG/KG		1.20E-06									<0.0950	<0.0210
N-Nitrosodimethylamine	MG/KG		5.50E-07									<0.3800	<0.0850
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04									<0.3800	<0.0850

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1-1	AOCE-1-1	AOCE-1-2	AOCE-1-2	AOCE-1-3	AOCE-1-3	AOCE-3	AOCE-3
					Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5	SS1113-AOCE-1-3-7	28598603	28598604
					Sample Name							BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)
					Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Native Soil
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04									<0.0950	<0.0210
N-Nitrosodiphenylamine	MG/KG		1.32E+00									<0.0950	<0.0210
N-Nitrosomorpholine	MG/KG		5.60E-05									<0.3800	<0.0850
N-Nitrosopiperidine	MG/KG		8.80E-05									<0.0950	<0.0210
N-Nitrosopyrrolidine	MG/KG		2.80E-04									<0.0950	<0.0210
O,O,O-Triethylphosphorothioate	MG/KG											<0.3800	<0.0850
O-Toluidine	MG/KG											<1.1000	<0.2500
para-Phenylenediamine	MG/KG		2.00E+01									<67.0000	<15.0000
Parathion	MG/KG		8.60E+00										
Pentachlorobenzene	MG/KG		4.80E-01									<0.0950	<0.0210
Pentachloronitrobenzene	MG/KG		2.80E-02									<0.3800	<0.0850
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03									<0.1900	<0.0420
Phenacetin	MG/KG		1.94E-01									<0.3800	<0.0850
Phenanthrene	MG/KG			8.70E-01		**2.6**	**910**	**5**	**8.3**	**0.5600 J**	**110**	**1.4**	**0.0080 J**
Phenol	MG/KG		6.60E+01									<0.0950	<0.0210
Pronamide	MG/KG		2.40E+01									<0.1900	<0.0420
Pyrene	MG/KG		2.60E+02	1.50E+00		**1**	**380**	**2.2**	**0.53**	**0.5100 J**	**51**	**2.3**	<0.0040
Pyridine	MG/KG		1.36E-01									<0.3800	<0.0850
Safrole	MG/KG		1.18E-03									<0.3800	<0.0850
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01									<0.3800	<0.0850
Thionazin	MG/KG											<0.3800	<0.0850
Pesticides and PCBs													
4,4'-DDD	MG/KG		1.44E-01										
4,4'-DDE	MG/KG		2.20E-01										
4,4'-DDT	MG/KG		1.54E+00										
Aldrin	MG/KG		3.00E-03										
Alpha-BHC	MG/KG		8.20E-04										
beta-BHC	MG/KG		2.80E-03										
Chlordane	MG/KG												
delta-BHC	MG/KG												
Dieldrin	MG/KG		1.38E-03										
Disulfoton	MG/KG		1.88E-02										
Endosulfan I	MG/KG												
Endosulfan II	MG/KG												
Endosulfan Sulfate	MG/KG												
Endrin	MG/KG	1.62E+00	1.84E+00										
Endrin Aldehyde	MG/KG												
Heptachlor	MG/KG	6.60E-01	2.20E-03										
Heptachlor Epoxide	MG/KG	8.20E-02	5.60E-04										
Lindane	MG/KG	2.40E-02	4.80E-03										
Methoxychlor	MG/KG	4.40E+01	4.00E+01										
Methyl Parathion	MG/KG		1.48E-01										
Phorate	MG/KG		6.80E-02										
Toxaphene	MG/KG	9.20E+00	4.80E-02										
PCB 1016	MG/KG		4.20E-01										
PCB 1221	MG/KG		1.58E-03										
PCB 1232	MG/KG		1.58E-03										
PCB 1242	MG/KG		2.40E-02										
PCB 1248	MG/KG		2.40E-02										
PCB 1254	MG/KG		4.00E-02										
PCB 1260	MG/KG		1.10E-01										
2,4,5-T	MG/KG		1.34E+00										

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1-1	AOCE-1-1	AOCE-1-2	AOCE-1-2	AOCE-1-3	AOCE-1-3	AOCE-3	AOCE-3
					Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5	SS1113-AOCE-1-3-7	28598603	28598604
					Sample Name							BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)
					Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Native Soil
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20										
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01										
Dinoseb	MG/KG	1.24E+00	2.60E+00										
Silvex	MG/KG	5.60E-01	1.22E+00										
Inorganics													
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00								**6.39**	<0.206
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01								**39.6**	**6.47**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02								**486**	**171**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00								**0.93**	**1.31**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00								**0.451 J**	<0.0411
Calcium	MG/KG												

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-1-1	AOCE-1-1	AOCE-1-2	AOCE-1-2	AOCE-1-3	AOCE-1-3	AOCE-3	AOCE-3
					Field Sample ID	SS1113-AOCE-1-1-0.5	SS1113-AOCE-1-1-7	SS1113-AOCE-1-2-0.5	SS1113-AOCE-1-2-7	SS1113-AOCE-1-3-0.5	SS1113-AOCE-1-3-7	28598603	28598604
					Sample Name							BEL-S-AOCE-3(0.5-1)	BEL-S-AOCE-3(8-9)
					Date Sampled	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	7 - 8	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Native Soil
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20										
Chromium	MG/KG	3.60E+06		4.40E+01								**38.0 K**	**24.0 K**
Cobalt	MG/KG		5.40E+00	2.23E+01								**21.3**	**11.6**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01								**172**	**17**
Iron	MG/KG		7.00E+03										
Lead	MG/KG	2.80E+02		1.06E+02								**160**	**19.8**
Magnesium	MG/KG												
Mercury	MG/KG	2.00E+00		4.14E+00								**1.61**	**0.0195 J**
Nickel	MG/KG		5.20E+02	2.59E+01								**21.4**	**23.3**
Potassium	MG/KG												
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00								**1.12**	**0.528**
Silver	MG/KG		1.60E+01									**0.675**	<0.174
Sodium	MG/KG												
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01								**0.173**	**0.208 J**
Tin	MG/KG		6.00E+04									**6.53 B**	**2.56 B**
Vanadium	MG/KG		1.72E+03	6.74E+01								**14.7**	**33.5**
Zinc	MG/KG		7.40E+03	1.33E+02								**163**	**77.2**
Miscellaneous													
Total Organic Carbon	MG/KG												
Ammonia	MG/KG												
Cyanide	MG/KG	4.00E+01	3.00E-01										
Percent Moisture	%					**7.2 J**	**24.1 J**	**4.2 J**	**28.1 J**	**7.5 J**	**23.5 J**	**12.3**	**21.3**
Percent Moisture	% BY WT.												
Ph	STD UNITS												
Specific Conductance	UMHOS/CM												
Sulfide	MG/KG												

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (wh
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-3	AOCE-3-1	AOCE-3-2	HP-5	SWMU191-1	SWMU191-1	SWMU191-1
					Field Sample ID	28598605	SS1113-AOCE-3-1-0.5	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103	P4S-0513-SWMU-191-1-21-22
					Sample Name	BEL-S-AOCE-3(4-5)			BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP	
					Date Sampled	11/28/2012	11/19/2013	11/19/2013	09/28/2000	11/28/2012	11/28/2012	05/24/2013
					Start Depth - End Depth	4 - 5	0.5 - 1	0.5 - 1	8 - 9.5	21 - 22	21 - 22	21 - 22
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Native Soil	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020 UL			<0.0030	<0.0020 UL	<0.0020 UL	<0.0020
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.00090			<0.0430	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.00090			<0.0430	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.00090			<0.0430	<0.0010	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01			<0.0030			<0.0040	<0.0030	<0.0030	<0.0030
Acetone	MG/KG		5.80E+01			<0.0060			<0.0090	<0.0070	<0.0070	<0.0080
Acetonitrile	MG/KG		5.20E-01			<0.0230			<0.0310	<0.0260	<0.0260	<0.0270
Acrolein	MG/KG		1.68E-04			<0.0190			<0.0250	<0.0210	<0.0210	<0.0210
Acrylonitrile	MG/KG		2.20E-04			<0.0040			<0.0050	<0.0040	<0.0040	<0.0040
Allyl Chloride	MG/KG		4.60E-03			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			<0.00050			<0.0010	<0.00050	<0.00050	<0.00050
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			<0.00090			**0.0040 J**	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020			<0.0030	<0.0020	<0.0020	<0.0020
Ethyl Chloride	MG/KG		1.18E+02			<0.0020			<0.0030	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03									<1.6000
Iodomethane	MG/KG					<0.0030			<0.0040	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01			<0.0930			<0.1300	<0.1000	<0.1100	<0.1100
Methacrylonitrile	MG/KG		8.60E-03			<0.0050			<0.0060	<0.0050	<0.0050	<0.0050
Methyl Bromide	MG/KG		3.80E-02			<0.0020			<0.0030	<0.0020	<0.0020	<0.0020
Methyl Chloride	MG/KG		9.80E-01			<0.0020			<0.0030	<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0040			<0.0050	<0.0040	<0.0040	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030			<0.0040	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Methyl Tertiary Butyl Ether	MG/KG		6.40E-02			<0.00050						
Methylene Bromide	MG/KG		4.00E-02			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020			<0.0030	<0.0020	<0.0020	<0.0020
Pentachloroethane	MG/KG		6.20E-03			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0280			<0.0380	<0.0310	<0.0320	<0.0320
Styrene	MG/KG	2.20E+00	2.60E+01			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Tertiary Butyl Alcohol	MG/KG					<0.0190						

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28598605	SS1113-AOCE-3-1-0.5	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103	P4S-0513-SWMU-191-1-21-22
					Sample Name	BEL-S-AOCE-3(4-5)			BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP	
					Date Sampled	11/28/2012	11/19/2013	11/19/2013	09/28/2000	11/28/2012	11/28/2012	05/24/2013
					Start Depth - End Depth	4 - 5	0.5 - 1	0.5 - 1	8 - 9.5	21 - 22	21 - 22	21 - 22
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
					Fill or Native Soil	Fill	Fill	Fill	Native Soil	Native Soil	Native Soil	Native Soil
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0090			<0.0130	<0.0100	<0.0110	<0.0110
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020			<0.0030	<0.0020	<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00			<0.0020			<0.0030	<0.0020	<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.00090			<0.0010	<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds												
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2000			<0.2200	<0.2100	<0.2100	<0.2200
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0800			<0.0430	<0.0840	<0.0850	<0.0880
1,4-Dioxane	MG/KG		1.88E-03			<0.1200			<0.0880	<0.1300	<0.1300	<0.1300
1,4-Naphthoquinone	MG/KG					<0.9900			<1.1000 UL	<1.1000	<1.1000	<1.1000
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01			**0.77**	**0.29**				
1-Naphthylamine	MG/KG					<0.2000			<0.2200 UL	<0.2100	<0.2100	<0.2200
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3600			<0.8800	<0.3800	<0.3800	<0.4000
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0800			<0.0430	<0.0840	<0.0850	<0.0880
2,6-Dichlorophenol	MG/KG					<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0800			<0.0430	<0.0840	<0.0850	<0.0880
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0080			<0.0430	<0.0090	<0.0090	<0.0090
2-Chlorophenol	MG/KG		1.48E+00			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.0070 J**	**0.94**	**0.39**	<0.0430	<0.0040	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
2-Naphthylamine	MG/KG		4.00E-03			<0.2000 UL			<0.2200 R	<0.2100 UL	<0.2100 UL	<0.2200
2-Nitroaniline	MG/KG		1.60E+00			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
2-Nitrophenol	MG/KG					<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
2-Picoline	MG/KG					<0.1200			<0.0880	<0.1300	<0.1300	<0.1300
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1200			<0.0880	<0.1300	<0.1300	<0.1300
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.6000			<0.2200 UL	<0.6300	<0.6400	<0.6600
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
3-Nitroaniline	MG/KG					<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2000			<0.2200	<0.2100	<0.2100	<0.2200
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2000			<0.2200 UL	<0.2100	<0.2100	<0.2200
4-Bromophenyl Phenyl Ether	MG/KG					<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
4-Chloroaniline	MG/KG		3.20E-03			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0800			<0.0430	<0.0840	<0.0850	<0.0880
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
4-Nitroaniline	MG/KG		3.20E-02			<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
4-Nitrophenol	MG/KG					<0.2000			<0.2200	<0.2100	<0.2100	<0.2200
4-Nitroquinoline-N-Oxide	MG/KG					<0.4000			<0.4300	<0.4200	<0.4200	<0.4400

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-3	AOCE-3-1	AOCE-3-2	HP-5	SWMU191-1	SWMU191-1	SWMU191-1
					Field Sample ID	28598605	SS1113-AOCE-3-1-0.5	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103	P4S-0513-SWMU-191-1-21-22
					Sample Name	BEL-S-AOCE-3(4-5)			BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP	
					Date Sampled	11/28/2012	11/19/2013	11/19/2013	09/28/2000	11/28/2012	11/28/2012	05/24/2013
					Start Depth - End Depth	4 - 5	0.5 - 1	0.5 - 1	8 - 9.5	21 - 22	21 - 22	21 - 22
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
					Fill or Native Soil	Fill	Fill	Fill	Native Soil	Native Soil	Native Soil	Native Soil
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20									
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2000			<0.2200 UL	<0.2100	<0.2100	<0.2200
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
Acenaphthene	MG/KG		1.10E+02	3.40E-02		**0.0080 J**	**0.0630 J**	**0.0200 J**	<0.0430	<0.0040	<0.0040	<0.0040
Acenaphthylene	MG/KG			3.10E-01		<0.0040	**0.63**	**0.15**	<0.0430	<0.0040	<0.0040	<0.0040
Acetophenone	MG/KG		1.16E+01			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
Aniline	MG/KG		9.20E-02			<0.2000			<0.0880	<0.2100	<0.2100	<0.2200
Anthracene	MG/KG		1.16E+03	4.40E-01		**0.0090 J**	**0.55**	**0.17**	<0.0430	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		<0.0040	**0.99**	**0.29**	<0.0430	<0.0040	<0.0040	<0.0040
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		<0.0040	**1.7**	**0.61**	<0.0430	**0.0050 J**	**0.0040 J**	**0.0120 J**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		<0.0040	**0.76**	**0.25**	<0.0430	<0.0040	<0.0040	<0.0040
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		<0.0040	**0.6**	**0.17**	<0.0430	<0.0040	<0.0040	<0.0040
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		<0.0040	**0.85**	**0.3**	<0.0430	<0.0040	<0.0040	<0.0040
Benzyl Alcohol	MG/KG		9.60E+00			<0.2000			<0.2200	<0.2100	<0.2100	<0.2200
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03						<0.0430			
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0200				<0.0210	<0.0210	<0.0220
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
Chlorobenzilate	MG/KG		2.00E-02			<0.0400			<0.0880	<0.0420	<0.0420	<0.0440
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.0050 J**	**1.1**	**0.41**	<0.0430	**0.0050 J**	<0.0040	<0.0040
Diallate	MG/KG		1.56E-02			<0.0400			<0.0880	<0.0420	<0.0420	<0.0440
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0040	**0.32**	**0.09**	<0.0430	<0.0040	<0.0040	<0.0040
Dibenzofuran	MG/KG		3.00E+00			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
Diethyl Phthalate	MG/KG		1.22E+02			<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
Dimethyl Phthalate	MG/KG					<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
Dimethoate	MG/KG		1.80E-02			<0.2000 UL			<0.1300	<0.2100 UL	<0.2100 UL	<0.2200
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
Ethyl Methanesulfonate	MG/KG					<0.0800			<0.0430	<0.0840	<0.0850	<0.0880
Famphur	MG/KG								<0.00880			
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.0080 J**	**1.5**	**0.43**	<0.0430	<0.0040	<0.0040	<0.0040
Fluorene	MG/KG		1.08E+02	8.50E-02		**0.0150 J**	**0.2**	**0.062**	<0.0430	<0.0040	<0.0040	<0.0040
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040			<0.0430	<0.0040	<0.0040	<0.0040
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2000			<0.2200	<0.2100	<0.2100	<0.2200
Hexachloroethane	MG/KG		4.00E-03			<0.0400			<0.0430	<0.0420	<0.0420	<0.0440
Hexachlorophene	MG/KG		1.60E+02						<0.0030 UL			
Hexachloropropylene	MG/KG					<0.1200			<0.0880	<0.1300	<0.1300	<0.1300
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		<0.0040	**0.72**	**0.2**	<0.0430	<0.0040	<0.0040	<0.0040
Isodrin	MG/KG					<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
Isophorone	MG/KG		5.20E-01			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
Isosafrole	MG/KG					<0.0800			<0.0430	<0.0840	<0.0850	<0.0880
Kepone	MG/KG		2.40E-03						<0.00880			
Methapyrilene	MG/KG					<2.0000			<0.0430	<2.1000	<2.1000	<2.2000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0400			<0.0430	<0.0420	<0.0420	<0.0440
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.0050 J**	**0.81**	**0.32**	<0.0430	<0.0040	<0.0040	<0.0040
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
Nitrobenzene	MG/KG		1.84E-03			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0800			<0.0430	<0.0840	<0.0850	<0.0880

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-3	AOCE-3-1	AOCE-3-2	HP-5	SWMU191-1	SWMU191-1	SWMU191-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28598605	SS1113-AOCE-3-1-0.5	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103	P4S-0513-SWMU-191-1-21-22
					Sample Name	BEL-S-AOCE-3(4-5)			BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP	
					Date Sampled	11/28/2012	11/19/2013	11/19/2013	09/28/2000	11/28/2012	11/28/2012	05/24/2013
					Start Depth - End Depth	4 - 5	0.5 - 1	0.5 - 1	8 - 9.5	21 - 22	21 - 22	21 - 22
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
					Fill or Native Soil	Fill	Fill	Fill	Native Soil	Native Soil	Native Soil	Native Soil
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
N-Nitrosodiphenylamine	MG/KG		1.32E+00			**0.0390 J**			<0.0430	<0.0210	<0.0210	<0.0220
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
O,O,O-Triethylphosphorothioate	MG/KG					<0.0800			<0.1300	<0.0840	<0.0850	<0.0880
O-Toluidine	MG/KG					<0.2400			<0.0880 UL	<0.2500	<0.2500	<0.2600
para-Phenylenediamine	MG/KG		2.00E+01			<14.0000			<2.6000	<15.0000	<15.0000	<15.0000
Parathion	MG/KG		8.60E+00						<0.00880			
Pentachlorobenzene	MG/KG		4.80E-01			<0.0200			<0.0430	<0.0210	<0.0210	<0.0220
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0800			<0.0430	<0.0840	<0.0850	<0.0880
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0400			<0.2200	<0.0420	<0.0420	<0.0440
Phenacetin	MG/KG		1.94E-01			<0.0800			<0.0430	<0.0840	<0.0850	<0.0880
Phenanthrene	MG/KG			8.70E-01		**0.032**	**1.4**	**0.52**	<0.0430	**0.0060 J**	**0.0050 J**	**0.0070 J**
Phenol	MG/KG		6.60E+01			<0.0200			<0.0880	<0.0210	<0.0210	<0.0220
Pronamide	MG/KG		2.40E+01			<0.0400			<0.2200	<0.0420	<0.0420	<0.0440
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.0130 J**	**1.3**	**0.44**	<0.0430	<0.0040	<0.0040	<0.0040
Pyridine	MG/KG		1.36E-01			<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
Safrole	MG/KG		1.18E-03			<0.0800			<0.0430	<0.0840	<0.0850	<0.0880
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
Thionazin	MG/KG					<0.0800			<0.0880	<0.0840	<0.0850	<0.0880
Pesticides and PCBs												
4,4'-DDD	MG/KG		1.44E-01						<0.00170			
4,4'-DDE	MG/KG		2.20E-01						<0.00170			
4,4'-DDT	MG/KG		1.54E+00						<0.00170			
Aldrin	MG/KG		3.00E-03						<0.000880			
Alpha-BHC	MG/KG		8.20E-04						<0.000880			
beta-BHC	MG/KG		2.80E-03						<0.00200			
Chlordane	MG/KG								<0.0430			
delta-BHC	MG/KG								<0.000880			
Dieldrin	MG/KG		1.38E-03						<0.00170			
Disulfoton	MG/KG		1.88E-02						<0.00880			
Endosulfan I	MG/KG								<0.000880			
Endosulfan II	MG/KG								<0.00170			
Endosulfan Sulfate	MG/KG								<0.00170			
Endrin	MG/KG	1.62E+00	1.84E+00						<0.00170			
Endrin Aldehyde	MG/KG								<0.00170			
Heptachlor	MG/KG	6.60E-01	2.20E-03						<0.000880			
Heptachlor Epoxide	MG/KG	8.20E-02	5.60E-04						<0.000880			
Lindane	MG/KG	2.40E-02	4.80E-03						<0.000880			
Methoxychlor	MG/KG	4.40E+01	4.00E+01						<0.00880			
Methyl Parathion	MG/KG		1.48E-01						<0.00880			
Phorate	MG/KG		6.80E-02						<0.00880			
Toxaphene	MG/KG	9.20E+00	4.80E-02						<0.0880			
PCB 1016	MG/KG		4.20E-01						<0.0430			
PCB 1221	MG/KG		1.58E-03						<0.1000			
PCB 1232	MG/KG		1.58E-03						<0.0430			
PCB 1242	MG/KG		2.40E-02						<0.0430			
PCB 1248	MG/KG		2.40E-02						<0.0430			
PCB 1254	MG/KG		4.00E-02						<0.0430			
PCB 1260	MG/KG		1.10E-01						<0.0430			
2,4,5-T	MG/KG		1.34E+00						**0.000580 J**			

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					Field Sample ID	28598605	SS1113-AOCE-3-1-0.5	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103	P4S-0513-SWMU-191-1-21-22
					Sample Name	BEL-S-AOCE-3(4-5)			BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP	
					Date Sampled	11/28/2012	11/19/2013	11/19/2013	09/28/2000	11/28/2012	11/28/2012	05/24/2013
					Start Depth - End Depth	4 - 5	0.5 - 1	0.5 - 1	8 - 9.5	21 - 22	21 - 22	21 - 22
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
					Fill or Native Soil	Fill	Fill	Fill	Native Soil	Native Soil	Native Soil	Native Soil
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20									
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01						<0.00430			
Dinoseb	MG/KG	1.24E+00	2.60E+00						<0.00500 R			
Silvex	MG/KG	5.60E-01	1.22E+00						<0.000430			
Inorganics												
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**0.150 J**			<2.8	**0.169 J**	**0.154 J**	
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**5.38**	**18.3 J**	**14.0 J**	**3.5**	**7.18**	**10.4**	
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**185**			**201**	**138**	**124**	
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**0.994**			**1.7**	**1.21**	**1.25**	
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		<0.0386			**0.35 J**	<0.0414	<0.0411	
Calcium	MG/KG											**1310**

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	AOCE-3	AOCE-3-1	AOCE-3-2	HP-5	SWMU191-1	SWMU191-1	SWMU191-1
					Field Sample ID	28598605	SS1113-AOCE-3-1-0.5	SS1113-AOCE-3-2-0.5	7651879	28597102	28597103	P4S-0513-SWMU-191-1-21-22
					Sample Name	BEL-S-AOCE-3(4-5)			BEL-S-HP-5(8-9.5)	BEL-S-SWMU191-1(21-22)	BEL-S-SWMU191-1(21-22)-DUP	
					Date Sampled	11/28/2012	11/19/2013	11/19/2013	09/28/2000	11/28/2012	11/28/2012	05/24/2013
					Start Depth - End Depth	4 - 5	0.5 - 1	0.5 - 1	8 - 9.5	21 - 22	21 - 22	21 - 22
					Sample Purpose	FS	FS	FS	FS	FS	DUP	FS
					Fill or Native Soil	Fill	Fill	Fill	Native Soil	Native Soil	Native Soil	Native Soil
Chromium	MG/KG	3.60E+06		4.40E+01		**16.6 K**			**29.1**	**22.6 K**	**22.5 K**	
Cobalt	MG/KG		5.40E+00	2.23E+01		**10.6**			**10.2**	**10.5**	**10.4**	
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**15.9**			**15**	**20.2**	**21.9**	
Iron	MG/KG		7.00E+03									**40900**
Lead	MG/KG	2.80E+02		1.06E+02		**13.4**			**19**	**20.1**	**23.9**	
Magnesium	MG/KG											**3300**
Mercury	MG/KG	2.00E+00		4.14E+00		**0.0262 J**			**0.016 J**	**0.0547 J**	**0.0391 J**	
Nickel	MG/KG		5.20E+02	2.59E+01		**20.3**			**27.3**	**23**	**23.5**	
Potassium	MG/KG											**2340 J**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.112 J**			**1.3**	**0.402 J**	**0.493 J**	
Silver	MG/KG		1.60E+01			<0.164			<0.40	<0.176	<0.174	
Sodium	MG/KG											**86.0 J**
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.145**			<0.60	**0.286**	**0.296**	
Tin	MG/KG		6.00E+04			**2.53 B**			<4.8	**2.70 B**	**2.69 B**	
Vanadium	MG/KG		1.72E+03	6.74E+01		**24**			**39.8**	**30.9**	**31.6**	
Zinc	MG/KG		7.40E+03	1.33E+02		**63**			**91.2**	**75**	**77.4**	
Miscellaneous												
Total Organic Carbon	MG/KG											**4240**
Ammonia	MG/KG											**249**
Cyanide	MG/KG	4.00E+01	3.00E-01						<0.2300			
Percent Moisture	%					**16.2**	**13.0 J**	**17.4**		**21.1**	**21.3**	**24.8**
Percent Moisture	% BY WT.								**23.7**			
Ph	STD UNITS											**6.42 J**
Specific Conductance	UMHOS/CM											**56.1**
Sulfide	MG/KG								**60**			

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (wh
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-1	SWMU191-2	SWMU191-2	SWMU191-2	SWMU191-2-1	SWMU191-2-2
					Field Sample ID	P4S-0513-SWMU-191-1-5-6	28532435	28532436	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5
					Sample Name		BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)	BEL-S-SWMU191-2(21-22)		
					Date Sampled	05/24/2013	11/10/2012	11/10/2012	11/10/2012	11/19/2013	11/19/2013
					Start Depth - End Depth	5 - 6	7 - 8	0.5 - 1	21 - 22	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Fill	Native Soil	Fill	Fill
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03				<0.0010	<0.0010	<0.0010		
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01				<0.0010	<0.0010	<0.0010		
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04				<0.0010	<0.0010	<0.0010		
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03				<0.0010	<0.0010	<0.0010		
1,1-Dichloroethane	MG/KG		1.56E-02				<0.0010	<0.0010	<0.0010		
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00				<0.0010	<0.0010	<0.0010		
1,2,3-Trichloropropane	MG/KG		6.40E-06				<0.0010	<0.0010	<0.0010		
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06				<0.0020	<0.0030	<0.0020		
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05				<0.0010	<0.0010	<0.0010		
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00				<0.0010	<0.0010	<0.0010		
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04				<0.0010	<0.0010	<0.0010		
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03				<0.0010	<0.0010	<0.0010		
1,3-Dichlorobenzene	MG/KG						<0.0010	<0.0010	<0.0010		
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03				<0.0010	<0.0010	<0.0010		
2-Hexanone	MG/KG		1.76E-01				<0.0040	<0.0040	<0.0030		
Acetone	MG/KG		5.80E+01				**0.0170 J**	**0.0510**	**0.0200**		
Acetonitrile	MG/KG		5.20E-01				<0.0310	<0.0350	<0.0260		
Acrolein	MG/KG		1.68E-04				<0.0240	<0.0280	<0.0200		
Acrylonitrile	MG/KG		2.20E-04				<0.0050	<0.0060	<0.0040		
Allyl Chloride	MG/KG		4.60E-03				<0.0010	<0.0010	<0.0010		
Benzene	MG/KG	5.20E-02	4.60E-03				**0.0020 J**	**0.0220**	**0.0040 J**		
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04				<0.0010	<0.0010	<0.0010		
Bromoform	MG/KG	4.20E-01	1.74E-02				<0.0010	<0.0010	<0.0010		
Carbon Disulfide	MG/KG		4.80E+00				<0.0010	**0.0030 J**	<0.0010		
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03				<0.0010	<0.0010	<0.0010		
Chlorobenzene	MG/KG	1.36E+00	1.06E+00				<0.0010	<0.0010	<0.0010		
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04				<0.0010	<0.0010	<0.0010		
Chloroform	MG/KG	4.40E-01	1.22E-03				<0.0010	<0.0010	<0.0010		
Chloroprene	MG/KG		1.96E-04				<0.0010	<0.0010	<0.0010		
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01				<0.0010	<0.0010	<0.0010		
cis-1,3-Dichloropropene	MG/KG						<0.0010	<0.0010	<0.0010		
Dichlorodifluoromethane	MG/KG		6.00E+00				<0.0020 UL	<0.0030 UL	<0.0020 UL		
Ethyl Chloride	MG/KG		1.18E+02				<0.0020	<0.0030	<0.0020		
Ethyl Methacrylate	MG/KG		2.20E+00				<0.0010	<0.0010	<0.0010		
Ethylbenzene	MG/KG	1.56E+01	3.40E-02				<0.0010	<0.0010	<0.0010		
Formaldehyde	MG/KG		1.74E-03			**46**					
Iodomethane	MG/KG						<0.0040	<0.0040	<0.0030		
Isobutyl Alcohol	MG/KG		2.40E+01				<0.1200	<0.1400	<0.1000		
Methacrylonitrile	MG/KG		8.60E-03				<0.0060	<0.0070	<0.0050		
Methyl Bromide	MG/KG		3.80E-02				<0.0020	<0.0030	<0.0020		
Methyl Chloride	MG/KG		9.80E-01				<0.0020	<0.0030	<0.0020		
Methyl Ethyl Ketone	MG/KG		2.40E+01				<0.0050	<0.0060	<0.0040		
Methyl Isobutyl Ketone	MG/KG		5.60E+00				<0.0040	<0.0040	<0.0030		
Methyl Methacrylate	MG/KG		6.00E+00				<0.0010	<0.0010	<0.0010		
Methyl Tertiary Butyl Ether	MG/KG		6.40E-02								
Methylene Bromide	MG/KG		4.00E-02				<0.0010	<0.0010	<0.0010		
Methylene Chloride	MG/KG	2.60E-02	5.82E-02				<0.0020	<0.0030	<0.0020		
Pentachloroethane	MG/KG		6.20E-03				<0.0010	<0.0010	<0.0010		
Propionitrile	MG/KG						<0.0370	<0.0420	<0.0310		
Styrene	MG/KG	2.20E+00	2.60E+01				<0.0010	<0.0010	<0.0010		
Tertiary Butyl Alcohol	MG/KG										

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-1	SWMU191-2	SWMU191-2	SWMU191-2	SWMU191-2-1	SWMU191-2-2
					Field Sample ID	P4S-0513-SWMU-191-1-5-6	28532435	28532436	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5
					Sample Name		BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)	BEL-S-SWMU191-2(21-22)		
					Date Sampled	05/24/2013	11/10/2012	11/10/2012	11/10/2012	11/19/2013	11/19/2013
					Start Depth - End Depth	5 - 6	7 - 8	0.5 - 1	21 - 22	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Fill	Native Soil	Fill	Fill
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01				<0.0010	<0.0010	<0.0010		
Toluene	MG/KG	1.38E+01	1.52E+01				<0.0010	<0.0010	<0.0010		
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00				<0.0010	<0.0010	<0.0010		
trans-1,3-Dichloropropene	MG/KG						<0.0010	<0.0010	<0.0010		
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05				<0.0120	<0.0140	<0.0100		
Trichloroethene	MG/KG	3.60E-02	3.60E-03				<0.0010	<0.0010	<0.0010		
Trichlorofluoromethane	MG/KG		1.46E+01				<0.0020 UL	<0.0030 UL	<0.0020 UL		
Vinyl Acetate	MG/KG		1.74E+00				<0.0020 UL	<0.0030 UL	<0.0020 UL		
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04				<0.0010	<0.0010	<0.0010		
Xylenes	MG/KG	1.96E+02	3.80E+00				<0.0010	<0.0010	<0.0010		
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01				<0.0450	<0.2000	<0.0210		
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02				<0.0450	<0.2000	<0.0210		
1,3,5-Trinitrobenzene	MG/KG		4.20E+01				<0.4500	<2.0000	<0.2100		
1,3-Dinitrobenzene	MG/KG		3.60E-02				<0.1800	<0.7900	<0.0860		
1,4-Dioxane	MG/KG		1.88E-03				<0.2700 UL	<1.2000	<0.1300		
1,4-Naphthoquinone	MG/KG						<2.2000	<9.8000	<1.1000		
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01						<0.0390	**0.042**
1-Naphthylamine	MG/KG						<0.4500 UL	<2.0000 UL	<0.2100 UL		
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01				<0.1800	<0.7900	<0.0860		
2,4,5-Trichlorophenol	MG/KG		8.80E+01				<0.0450	<0.2000	<0.0210		
2,4,6-Trichlorophenol	MG/KG		3.00E-01				<0.0450	<0.2000	<0.0210		
2,4-Dichlorophenol	MG/KG		1.08E+00				<0.0450	<0.2000	<0.0210		
2,4-Dimethylphenol	MG/KG		8.40E+00				<0.0450	<0.2000	<0.0210		
2,4-Dinitrophenol	MG/KG		8.80E-01				<0.8000	<3.5000	<0.3900		
2,4-Dinitrotoluene	MG/KG		6.40E-03				<0.1800	<0.7900	<0.0860		
2,6-Dichlorophenol	MG/KG						<0.0450	<0.2000	<0.0210		
2,6-Dinitrotoluene	MG/KG		1.34E-03				<0.0450	<0.2000	<0.0210		
2-Acetylaminofluorene	MG/KG		1.44E-03				<0.1800	<0.7900	<0.0860		
2-Chloronaphthalene	MG/KG		7.60E+01				<0.0190	<0.0830	<0.0090		
2-Chlorophenol	MG/KG		1.48E+00				<0.0450	<0.2000	<0.0210		
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01			<0.0090	**0.41**	<0.0040	<0.0390	**0.044**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01				<0.0450	<0.2000	<0.0210		
2-Naphthylamine	MG/KG		4.00E-03				<0.4500 UL	<2.0000 UL	<0.2100 UL		
2-Nitroaniline	MG/KG		1.60E+00				<0.0450	<0.2000	<0.0210		
2-Nitrophenol	MG/KG						<0.0450	<0.2000	<0.0210		
2-Picoline	MG/KG						<0.2700 UL	<1.2000	<0.1300		
3,3'-Dichlorobenzidine	MG/KG		1.62E-02				<0.2700	<1.2000	<0.1300		
3,3'-Dimethylbenzidine	MG/KG		8.60E-04				<1.3000 UL	<5.9000	<0.6400		
3-Methylcholanthrene	MG/KG		4.40E-02				<0.0450	<0.2000	<0.0210		
3-Nitroaniline	MG/KG						<0.1800	<0.7900	<0.0860		
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02				<0.4500	<2.0000	<0.2100		
4-Aminobiphenyl	MG/KG		3.00E-04				<0.4500	<2.0000	<0.2100		
4-Bromophenyl Phenyl Ether	MG/KG						<0.0450	<0.2000	<0.0210		
4-Chloro-3-Methylphenol	MG/KG		3.40E+01				<0.0450	<0.2000	<0.0210		
4-Chloroaniline	MG/KG		3.20E-03				<0.0450 UL	<0.2000 UL	<0.0210 UL		
4-Chlorophenyl Phenyl Ether	MG/KG						<0.0450	<0.2000	<0.0210		
4-Dimethylaminoazobenzene	MG/KG		4.20E-04				<0.1800	<0.7900	<0.0860		
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01				<0.0450	<0.2000	<0.0210		
4-Nitroaniline	MG/KG		3.20E-02				<0.1800	<0.7900	<0.0860		
4-Nitrophenol	MG/KG						<0.4500	<2.0000	<0.2100		
4-Nitroquinoline-N-Oxide	MG/KG						<0.8900 UL	<3.9000	<0.4300		

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					Field Sample ID	P4S-0513-SWMU-191-1-5-6	28532435	28532436	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5
					Sample Name		BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)	BEL-S-SWMU191-2(21-22)		
					Date Sampled	05/24/2013	11/10/2012	11/10/2012	11/10/2012	11/19/2013	11/19/2013
					Start Depth - End Depth	5 - 6	7 - 8	0.5 - 1	21 - 22	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Fill	Native Soil	Fill	Fill
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02				<0.4500 UL	<2.0000 UL	<0.2100 UL		
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03				<0.0450	<0.2000	<0.0210		
Acenaphthene	MG/KG		1.10E+02	3.40E-02			<0.0090	**0.0590 J**	<0.0040	<0.0390	<0.0040
Acenaphthylene	MG/KG			3.10E-01			<0.0090	**0.38**	**0.0060 J**	**0.1000 J**	**0.0180 J**
Acetophenone	MG/KG		1.16E+01				<0.0450	<0.2000	<0.0210		
Aniline	MG/KG		9.20E-02				<0.4500	<2.0000	<0.2100		
Anthracene	MG/KG		1.16E+03	4.40E-01			<0.0090	**0.57**	**0.0150 J**	**0.0570 J**	**0.0120 J**
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01			**0.0110 J**	**0.83**	**0.0120 J**	**0.0670 J**	**0.053**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00			**0.0120 J**	**2.8**	**0.022**	**0.1700 J**	**0.078**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01			**0.0120 J**	**0.85**	**0.0090 J**	**0.0880 J**	**0.042**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01			<0.0090	**0.99**	**0.0080 J**	<0.0390	**0.026**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01			**0.0100 J**	**0.6**	**0.0100 J**	**0.0880 J**	**0.048**
Benzyl Alcohol	MG/KG		9.60E+00				<0.4500	<2.0000	<0.2100		
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03								
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01				<0.0450	<0.2000	<0.0210		
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05				<0.0450	<0.2000	<0.0210		
Bis(2-Chloroisopropyl)Ether	MG/KG						<0.0450	<0.2000	<0.0210		
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01				<0.1800	<0.7900	<0.0860		
Butyl Benzyl Phthalate	MG/KG		4.60E+00				<0.1800	<0.7900	<0.0860		
Chlorobenzilate	MG/KG		2.00E-02				<0.0890	<0.3900	<0.0430		
Chrysene	MG/KG		2.40E+01	1.50E+00			**0.0110 J**	**1.5**	**0.0160 J**	**0.1400 J**	**0.054**
Diallate	MG/KG		1.56E-02				<0.0890	<0.3900	<0.0430		
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01			<0.0090	**0.33**	<0.0040	**0.0500 J**	**0.0120 J**
Dibenzofuran	MG/KG		3.00E+00				<0.0450	**0.3600 J**	<0.0210		
Diethyl Phthalate	MG/KG		1.22E+02				<0.1800	<0.7900	<0.0860		
Dimethyl Phthalate	MG/KG						<0.1800	<0.7900	<0.0860		
Dimethoate	MG/KG		1.80E-02				<0.4500 UL	<2.0000 UL	<0.2100 UL		
Di-N-Butyl Phthalate	MG/KG		4.60E+01				<0.1800	<0.7900	<0.0860		
Ethyl Methanesulfonate	MG/KG						<0.1800	<0.7900	<0.0860		
Famphur	MG/KG										
Fluoranthene	MG/KG		1.78E+03	1.90E+00			**0.0170 J**	**2.3**	**0.03**	**0.0890 J**	**0.087**
Fluorene	MG/KG		1.08E+02	8.50E-02			<0.0090	**0.0600 J**	**0.0110 J**	<0.0390	**0.0040 J**
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03				<0.0090	<0.0390	<0.0040		
Hexachlorobutadiene	MG/KG		5.20E-03				<0.0450	<0.2000	<0.0210		
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02				<0.4500 UL	<2.0000	<0.2100		
Hexachloroethane	MG/KG		4.00E-03				<0.0890	<0.3900	<0.0430		
Hexachlorophene	MG/KG		1.60E+02								
Hexachloropropylene	MG/KG						<0.2700	<1.2000	<0.1300		
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01			<0.0090	**0.89**	**0.0050 J**	**0.0630 J**	**0.034**
Isodrin	MG/KG						<0.0450	<0.2000	<0.0210		
Isophorone	MG/KG		5.20E-01				<0.0450	<0.2000	<0.0210		
Isosafrole	MG/KG						<0.1800	<0.7900	<0.0860		
Kepone	MG/KG		2.40E-03								
Methapyrilene	MG/KG						<4.5000 R	<20.0000	<2.1000		
Methyl Methanesulfonate	MG/KG		3.20E-03				<0.0890	<0.3900	<0.0430		
Naphthalene	MG/KG		1.08E-02	1.20E+00			<0.0090	**0.68**	**0.0080 J**	<0.0390	**0.053**
N-Dioctyl Phthalate	MG/KG		1.14E+03				<0.1800	<0.7900	<0.0860		
Nitrobenzene	MG/KG		1.84E-03				<0.0450	<0.2000	<0.0210		
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06				<0.1800	<0.7900	<0.0860		
N-Nitrosodiethylamine	MG/KG		1.20E-06				<0.0450	<0.2000	<0.0210		
N-Nitrosodimethylamine	MG/KG		5.50E-07				<0.1800	<0.7900	<0.0860		
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04				<0.1800	<0.7900	<0.0860		

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-1	SWMU191-2	SWMU191-2	SWMU191-2	SWMU191-2-1	SWMU191-2-2
					Field Sample ID	P4S-0513-SWMU-191-1-5-6	28532435	28532436	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5
					Sample Name		BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)	BEL-S-SWMU191-2(21-22)		
					Date Sampled	05/24/2013	11/10/2012	11/10/2012	11/10/2012	11/19/2013	11/19/2013
					Start Depth - End Depth	5 - 6	7 - 8	0.5 - 1	21 - 22	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Fill	Native Soil	Fill	Fill
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04				<0.0450	<0.2000	<0.0210		
N-Nitrosodiphenylamine	MG/KG		1.32E+00				<0.0450	<0.2000	<0.0210		
N-Nitrosomorpholine	MG/KG		5.60E-05				<0.1800	<0.7900	<0.0860		
N-Nitrosopiperidine	MG/KG		8.80E-05				<0.0450	<0.2000	<0.0210		
N-Nitrosopyrrolidine	MG/KG		2.80E-04				<0.0450	<0.2000	<0.0210		
O,O,O-Triethylphosphorothioate	MG/KG						<0.1800	<0.7900	<0.0860		
O-Toluidine	MG/KG						<0.5400 UL	<2.4000 UL	<0.2600 UL		
para-Phenylenediamine	MG/KG		2.00E+01				<31.0000	<140.0000	<15.0000		
Parathion	MG/KG		8.60E+00								
Pentachlorobenzene	MG/KG		4.80E-01				<0.0450	<0.2000	<0.0210		
Pentachloronitrobenzene	MG/KG		2.80E-02				<0.1800	<0.7900	<0.0860		
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03				<0.0890	<0.3900	<0.0430		
Phenacetin	MG/KG		1.94E-01				<0.1800	<0.7900	<0.0860		
Phenanthrene	MG/KG			8.70E-01			**0.0270 J**	**1.7**	**0.057**	**0.0780 J**	**0.058**
Phenol	MG/KG		6.60E+01				<0.0450	<0.2000	<0.0210		
Pronamide	MG/KG		2.40E+01				<0.0890	<0.3900	<0.0430		
Pyrene	MG/KG		2.60E+02	1.50E+00			**0.0180 J**	**1.7**	**0.028**	**0.0800 J**	**0.079**
Pyridine	MG/KG		1.36E-01				<0.1800	<0.7900	<0.0860		
Safrole	MG/KG		1.18E-03				<0.1800	<0.7900	<0.0860		
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01				<0.1800	<0.7900	<0.0860		
Thionazin	MG/KG						<0.1800	<0.7900	<0.0860		
Pesticides and PCBs											
4,4'-DDD	MG/KG		1.44E-01								
4,4'-DDE	MG/KG		2.20E-01								
4,4'-DDT	MG/KG		1.54E+00								
Aldrin	MG/KG		3.00E-03								
Alpha-BHC	MG/KG		8.20E-04								
beta-BHC	MG/KG		2.80E-03								
Chlordane	MG/KG										
delta-BHC	MG/KG										
Dieldrin	MG/KG		1.38E-03								
Disulfoton	MG/KG		1.88E-02								
Endosulfan I	MG/KG										
Endosulfan II	MG/KG										
Endosulfan Sulfate	MG/KG										
Endrin	MG/KG	1.62E+00	1.84E+00								
Endrin Aldehyde	MG/KG										
Heptachlor	MG/KG	6.60E-01	2.20E-03								
Heptachlor Epoxide	MG/KG	8.20E-02	5.60E-04								
Lindane	MG/KG	2.40E-02	4.80E-03								
Methoxychlor	MG/KG	4.40E+01	4.00E+01								
Methyl Parathion	MG/KG		1.48E-01								
Phorate	MG/KG		6.80E-02								
Toxaphene	MG/KG	9.20E+00	4.80E-02								
PCB 1016	MG/KG		4.20E-01								
PCB 1221	MG/KG		1.58E-03								
PCB 1232	MG/KG		1.58E-03								
PCB 1242	MG/KG		2.40E-02								
PCB 1248	MG/KG		2.40E-02								
PCB 1254	MG/KG		4.00E-02								
PCB 1260	MG/KG		1.10E-01								
2,4,5-T	MG/KG		1.34E+00								

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					Field Sample ID	P4S-0513-SWMU-191-1-5-6	28532435	28532436	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5
					Sample Name		BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)	BEL-S-SWMU191-2(21-22)		
					Date Sampled	05/24/2013	11/10/2012	11/10/2012	11/10/2012	11/19/2013	11/19/2013
					Start Depth - End Depth	5 - 6	7 - 8	0.5 - 1	21 - 22	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Native Soil	Fill	Fill
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20								
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01								
Dinoseb	MG/KG	1.24E+00	2.60E+00								
Silvex	MG/KG	5.60E-01	1.22E+00								
Inorganics											
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00			**0.218 J**	**10.6**	**0.231 J**		
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01			**6.27**	**50.5**	**11.6**	**15.8 J**	**28.9 J**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02			**276**	**139**	**166**		
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00			**2.03**	**0.894**	**1.57**		
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00			<0.0425	**0.777**	**0.126 J**		
Calcium	MG/KG					**1740**					

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-1	SWMU191-2	SWMU191-2	SWMU191-2	SWMU191-2-1	SWMU191-2-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0513-SWMU-191-1-5-6	28532435	28532436	28532437	SS1113-SWMU191-2-1-0.5	SS1113-SWMU191-2-2-0.5
					Sample Name		BEL-S-SWMU191-2(7-8)	BEL-S-SWMU191-2(0.5-1)	BEL-S-SWMU191-2(21-22)		
					Date Sampled	05/24/2013	11/10/2012	11/10/2012	11/10/2012	11/19/2013	11/19/2013
					Start Depth - End Depth	5 - 6	7 - 8	0.5 - 1	21 - 22	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Native Soil	Fill	Fill
Chromium	MG/KG	3.60E+06		4.40E+01			**35.5 K**	**22.7 K**	**29.4 K**		
Cobalt	MG/KG		5.40E+00	2.23E+01			**9.06**	**10.3**	**21.2**		
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01			**12.8**	**123**	**21.3**		
Iron	MG/KG		7.00E+03			**20200**					
Lead	MG/KG	2.80E+02		1.06E+02			**37.8**	**114**	**27.8**		
Magnesium	MG/KG					**2710**					
Mercury	MG/KG	2.00E+00		4.14E+00			**0.0316 J**	**1.87**	**0.0340 J**		
Nickel	MG/KG		5.20E+02	2.59E+01			**32.2**	**20.6**	**31**		
Potassium	MG/KG					**2200 J**					
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00			**0.627**	**1.29**	**0.995**		
Silver	MG/KG		1.60E+01				<0.180	**8.55**	<0.177		
Sodium	MG/KG					**265**					
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01			**0.621**	**0.293**	**0.335**		
Tin	MG/KG		6.00E+04				**3.36 B**	**6.13 B**	**3.25 B**		
Vanadium	MG/KG		1.72E+03	6.74E+01			**49.6 K**	**15.5 K**	**41.7 K**		
Zinc	MG/KG		7.40E+03	1.33E+02			**104**	**140**	**93.6**		
Miscellaneous											
Total Organic Carbon	MG/KG					**19200**					
Ammonia	MG/KG					**567**					
Cyanide	MG/KG	4.00E+01	3.00E-01								
Percent Moisture	%					**28.7**	**25.3**	**15.2**	**22.3**	**13.7 J**	**22.5 J**
Percent Moisture	% BY WT.										
Ph	STD UNITS					**6.06 J**					
Specific Conductance	UMHOS/CM					**148**					
Sulfide	MG/KG										

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (wh
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-2-3
					Field Sample ID	SS1113-SWMU191-2-3-0.5
					Sample Name	
					Date Sampled	11/19/2013
					Start Depth - End Depth	0.5 - 1
					Sample Purpose	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			
1,1-Dichloroethane	MG/KG		1.56E-02			
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			
1,2,3-Trichloropropane	MG/KG		6.40E-06			
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			
1,3-Dichlorobenzene	MG/KG					
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			
2-Hexanone	MG/KG		1.76E-01			
Acetone	MG/KG		5.80E+01			
Acetonitrile	MG/KG		5.20E-01			
Acrolein	MG/KG		1.68E-04			
Acrylonitrile	MG/KG		2.20E-04			
Allyl Chloride	MG/KG		4.60E-03			
Benzene	MG/KG	5.20E-02	4.60E-03			
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			
Bromoform	MG/KG	4.20E-01	1.74E-02			
Carbon Disulfide	MG/KG		4.80E+00			
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			
Chloroform	MG/KG	4.40E-01	1.22E-03			
Chloroprene	MG/KG		1.96E-04			
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			
cis-1,3-Dichloropropene	MG/KG					
Dichlorodifluoromethane	MG/KG		6.00E+00			
Ethyl Chloride	MG/KG		1.18E+02			
Ethyl Methacrylate	MG/KG		2.20E+00			
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			
Formaldehyde	MG/KG		1.74E-03			
Iodomethane	MG/KG					
Isobutyl Alcohol	MG/KG		2.40E+01			
Methacrylonitrile	MG/KG		8.60E-03			
Methyl Bromide	MG/KG		3.80E-02			
Methyl Chloride	MG/KG		9.80E-01			
Methyl Ethyl Ketone	MG/KG		2.40E+01			
Methyl Isobutyl Ketone	MG/KG		5.60E+00			
Methyl Methacrylate	MG/KG		6.00E+00			
Methyl Tertiary Butyl Ether	MG/KG		6.40E-02			
Methylene Bromide	MG/KG		4.00E-02			
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			
Pentachloroethane	MG/KG		6.20E-03			
Propionitrile	MG/KG					
Styrene	MG/KG	2.20E+00	2.60E+01			
Tertiary Butyl Alcohol	MG/KG					

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-2-3
					Field Sample ID	SS1113-SWMU191-2-3-0.5
					Sample Name	
					Date Sampled	11/19/2013
					Start Depth - End Depth	0.5 - 1
					Sample Purpose	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			
Toluene	MG/KG	1.38E+01	1.52E+01			
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			
trans-1,3-Dichloropropene	MG/KG					
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			
Trichloroethene	MG/KG	3.60E-02	3.60E-03			
Trichlorofluoromethane	MG/KG		1.46E+01			
Vinyl Acetate	MG/KG		1.74E+00			
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			
Xylenes	MG/KG	1.96E+02	3.80E+00			
Semi-Volatile Organic Compounds						
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			
1,3-Dinitrobenzene	MG/KG		3.60E-02			
1,4-Dioxane	MG/KG		1.88E-03			
1,4-Naphthoquinone	MG/KG					
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01		**1.9**
1-Naphthylamine	MG/KG					
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			
2,4,5-Trichlorophenol	MG/KG		8.80E+01			
2,4,6-Trichlorophenol	MG/KG		3.00E-01			
2,4-Dichlorophenol	MG/KG		1.08E+00			
2,4-Dimethylphenol	MG/KG		8.40E+00			
2,4-Dinitrophenol	MG/KG		8.80E-01			
2,4-Dinitrotoluene	MG/KG		6.40E-03			
2,6-Dichlorophenol	MG/KG					
2,6-Dinitrotoluene	MG/KG		1.34E-03			
2-Acetylaminofluorene	MG/KG		1.44E-03			
2-Chloronaphthalene	MG/KG		7.60E+01			
2-Chlorophenol	MG/KG		1.48E+00			
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**2.5**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			
2-Naphthylamine	MG/KG		4.00E-03			
2-Nitroaniline	MG/KG		1.60E+00			
2-Nitrophenol	MG/KG					
2-Picoline	MG/KG					
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			
3-Methylcholanthrene	MG/KG		4.40E-02			
3-Nitroaniline	MG/KG					
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			
4-Aminobiphenyl	MG/KG		3.00E-04			
4-Bromophenyl Phenyl Ether	MG/KG					
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			
4-Chloroaniline	MG/KG		3.20E-03			
4-Chlorophenyl Phenyl Ether	MG/KG					
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			
4-Nitroaniline	MG/KG		3.20E-02			
4-Nitrophenol	MG/KG					
4-Nitroquinoline-N-Oxide	MG/KG					

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-2-3
					Field Sample ID	SS1113-SWMU191-2-3-0.5
					Sample Name	
					Date Sampled	11/19/2013
					Start Depth - End Depth	0.5 - 1
					Sample Purpose	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			
Acenaphthene	MG/KG		1.10E+02	3.40E-02		**0.29**
Acenaphthylene	MG/KG			3.10E-01		**2.5**
Acetophenone	MG/KG		1.16E+01			
Aniline	MG/KG		9.20E-02			
Anthracene	MG/KG		1.16E+03	4.40E-01		**3.2**
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**5.3**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**5.4**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**3.1**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**2.6**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**4.3**
Benzyl Alcohol	MG/KG		9.60E+00			
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03			
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			
Bis(2-Chloroisopropyl)Ether	MG/KG					
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			
Butyl Benzyl Phthalate	MG/KG		4.60E+00			
Chlorobenzilate	MG/KG		2.00E-02			
Chrysene	MG/KG		2.40E+01	1.50E+00		**4.6**
Diallate	MG/KG		1.56E-02			
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		**0.92**
Dibenzofuran	MG/KG		3.00E+00			
Diethyl Phthalate	MG/KG		1.22E+02			
Dimethyl Phthalate	MG/KG					
Dimethoate	MG/KG		1.80E-02			
Di-N-Butyl Phthalate	MG/KG		4.60E+01			
Ethyl Methanesulfonate	MG/KG					
Famphur	MG/KG					
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**11**
Fluorene	MG/KG		1.08E+02	8.50E-02		**2.6**
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			
Hexachlorobutadiene	MG/KG		5.20E-03			
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			
Hexachloroethane	MG/KG		4.00E-03			
Hexachlorophene	MG/KG		1.60E+02			
Hexachloropropylene	MG/KG					
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**2.5**
Isodrin	MG/KG					
Isophorone	MG/KG		5.20E-01			
Isosafrole	MG/KG					
Kepone	MG/KG		2.40E-03			
Methapyrilene	MG/KG					
Methyl Methanesulfonate	MG/KG		3.20E-03			
Naphthalene	MG/KG		1.08E-02	1.20E+00		**2**
N-Dioctyl Phthalate	MG/KG		1.14E+03			
Nitrobenzene	MG/KG		1.84E-03			
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			
N-Nitrosodiethylamine	MG/KG		1.20E-06			
N-Nitrosodimethylamine	MG/KG		5.50E-07			
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			

Summary of Analytical Results - AOC A, AOC E, and SWMU 191 - Comparison to SSLs
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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-2-3
					Field Sample ID	SS1113-SWMU191-2-3-0.5
					Sample Name	
					Date Sampled	11/19/2013
					Start Depth - End Depth	0.5 - 1
					Sample Purpose	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			
N-Nitrosodiphenylamine	MG/KG		1.32E+00			
N-Nitrosomorpholine	MG/KG		5.60E-05			
N-Nitrosopiperidine	MG/KG		8.80E-05			
N-Nitrosopyrrolidine	MG/KG		2.80E-04			
O,O,O-Triethylphosphorothioate	MG/KG					
O-Toluidine	MG/KG					
para-Phenylenediamine	MG/KG		2.00E+01			
Parathion	MG/KG		8.60E+00			
Pentachlorobenzene	MG/KG		4.80E-01			
Pentachloronitrobenzene	MG/KG		2.80E-02			
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			
Phenacetin	MG/KG		1.94E-01			
Phenanthrene	MG/KG			8.70E-01		**11**
Phenol	MG/KG		6.60E+01			
Pronamide	MG/KG		2.40E+01			
Pyrene	MG/KG		2.60E+02	1.50E+00		**8.1**
Pyridine	MG/KG		1.36E-01			
Safrole	MG/KG		1.18E-03			
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			
Thionazin	MG/KG					
Pesticides and PCBs						
4,4'-DDD	MG/KG		1.44E-01			
4,4'-DDE	MG/KG		2.20E-01			
4,4'-DDT	MG/KG		1.54E+00			
Aldrin	MG/KG		3.00E-03			
Alpha-BHC	MG/KG		8.20E-04			
beta-BHC	MG/KG		2.80E-03			
Chlordane	MG/KG					
delta-BHC	MG/KG					
Dieldrin	MG/KG		1.38E-03			
Disulfoton	MG/KG		1.88E-02			
Endosulfan I	MG/KG					
Endosulfan II	MG/KG					
Endosulfan Sulfate	MG/KG					
Endrin	MG/KG	1.62E+00	1.84E+00			
Endrin Aldehyde	MG/KG					
Heptachlor	MG/KG	6.60E-01	2.20E-03			
Heptachlor Epoxide	MG/KG	8.20E-02	5.60E-04			
Lindane	MG/KG	2.40E-02	4.80E-03			
Methoxychlor	MG/KG	4.40E+01	4.00E+01			
Methyl Parathion	MG/KG		1.48E-01			
Phorate	MG/KG		6.80E-02			
Toxaphene	MG/KG	9.20E+00	4.80E-02			
PCB 1016	MG/KG		4.20E-01			
PCB 1221	MG/KG		1.58E-03			
PCB 1232	MG/KG		1.58E-03			
PCB 1242	MG/KG		2.40E-02			
PCB 1248	MG/KG		2.40E-02			
PCB 1254	MG/KG		4.00E-02			
PCB 1260	MG/KG		1.10E-01			
2,4,5-T	MG/KG		1.34E+00			

Summary of Analytical Results - AOC A, AOC E, and SWMU 191 - Comparison to SSLs
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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-2-3
					Field Sample ID	SS1113-SWMU191-2-3-0.5
					Sample Name	
					Date Sampled	11/19/2013
					Start Depth - End Depth	0.5 - 1
					Sample Purpose	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01			
Dinoseb	MG/KG	1.24E+00	2.60E+00			
Silvex	MG/KG	5.60E-01	1.22E+00			
Inorganics						
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**8.87 J**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		
Calcium	MG/KG					

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU191-2-3
					Field Sample ID	SS1113-SWMU191-2-3-0.5
					Sample Name	
					Date Sampled	11/19/2013
					Start Depth - End Depth	0.5 - 1
					Sample Purpose	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill
Chromium	MG/KG	3.60E+06		4.40E+01		
Cobalt	MG/KG		5.40E+00	2.23E+01		
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		
Iron	MG/KG		7.00E+03			
Lead	MG/KG	2.80E+02		1.06E+02		
Magnesium	MG/KG					
Mercury	MG/KG	2.00E+00		4.14E+00		
Nickel	MG/KG		5.20E+02	2.59E+01		
Potassium	MG/KG					
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		
Silver	MG/KG		1.60E+01			
Sodium	MG/KG					
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		
Tin	MG/KG		6.00E+04			
Vanadium	MG/KG		1.72E+03	6.74E+01		
Zinc	MG/KG		7.40E+03	1.33E+02		
Miscellaneous						
Total Organic Carbon	MG/KG					
Ammonia	MG/KG					
Cyanide	MG/KG	4.00E+01	3.00E-01			
Percent Moisture	%					**11.6**
Percent Moisture	% BY WT.					
Ph	STD UNITS					
Specific Conductance	UMHOS/CM					
Sulfide	MG/KG					

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (wh
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-3	HP-3	HP-3
			Federal MCL	EPA SL Tap Water	Field Sample ID	7651589	7651828	7651853
					Sample Name	BEL-G-HP-3	BEL-G-HP-3-DIS	BEL-G-HP-3-DIS-2
					Date Sampled	09/28/2000	09/28/2000	09/28/2000
					Sample Purpose	FS	FS	DUP
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<1		
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<1		
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<1		
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<1		
1,1-Dichloroethane	N	UG/L		2.70E+00		<1		
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<1		
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<1		
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<2		
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<1		
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01		<1		
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<1		
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<1		
1,3-Dichlorobenzene	N	UG/L				<1		
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01		<1		
2-Hexanone	N	UG/L		3.80E+00		<3		
Acetone	N	UG/L		1.40E+03		<6		
Acetonitrile	N	UG/L		1.30E+01		<25		
Acrolein	N	UG/L		4.20E-03		<40		
Acrylonitrile	N	UG/L		5.20E-02		<4		
Allyl Chloride	N	UG/L		2.10E-01		<1		
Benzene	N	UG/L	5.00E+00	4.50E-01		<1		
Bromodichloromethane	N	UG/L		1.30E-01		<1		
Bromoform	N	UG/L		3.30E+00		<1		
Carbon Disulfide	N	UG/L		8.10E+01		<1		
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<1		
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		<1		
Chlorodibromomethane	N	UG/L		1.70E-01		<1		
Chloroform	N	UG/L		2.20E-01		<1		
Chloroprene	N	UG/L		1.90E-02		<1		
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<1		
cis-1,3-Dichloropropene	N	UG/L				<1		
Dichlorodifluoromethane	N	UG/L		2.00E+01		<2		
Ethyl Chloride	N	UG/L		2.10E+03		<2		
Ethyl Methacrylate	N	UG/L		4.60E+01		<1		
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<1		
Iodomethane	N	UG/L				<1		
Isobutyl Alcohol	N	UG/L		5.90E+02		<100		
Methacrylonitrile	N	UG/L		1.90E-01		<10		
Methyl Bromide	N	UG/L		7.50E-01		<2		
Methyl Chloride	N	UG/L		1.90E+01		<2		
Methyl Ethyl Ketone	N	UG/L		5.60E+02		**4 J**		
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<3		
Methyl Methacrylate	N	UG/L		1.40E+02		<1		

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-3	HP-3	HP-3
			Federal MCL	EPA SL Tap Water	Field Sample ID	7651589	7651828	7651853
					Sample Name	BEL-G-HP-3	BEL-G-HP-3-DIS	BEL-G-HP-3-DIS-2
					Date Sampled	09/28/2000	09/28/2000	09/28/2000
					Sample Purpose	FS	FS	DUP
Methylene Bromide	N	UG/L		8.00E-01		<1		
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2		
Pentachloroethane	N	UG/L		6.40E-01		<1		
Propionitrile	N	UG/L				<30		
Styrene	N	UG/L	1.00E+02	1.20E+02		<1		
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<1		
Toluene	N	UG/L	1.00E+03	1.10E+02		<1		
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<1		
trans-1,3-Dichloropropene	N	UG/L				<1		
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<15		
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<1		
Trichlorofluoromethane	N	UG/L		1.10E+02		<2 UL		
Vinyl Acetate	N	UG/L		4.10E+01		<2		
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<1		
Xylenes	N	UG/L	1.00E+04	1.90E+01		<1		
Semi-Volatile Organic Compounds								
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01		<1		
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01		<1		
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01		<3		
1,3-Dinitrobenzene	N	UG/L		2.00E-01		<1		
1,4-Dioxane	N	UG/L		4.60E-01		<70		
1,4-Naphthoquinone	N	UG/L				<10 R		
1-Naphthylamine	N	UG/L				<2		
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01		<3		
2,4,5-Trichlorophenol	N	UG/L		1.20E+02		<2		
2,4,6-Trichlorophenol	N	UG/L		1.20E+00		<2		
2,4-Dichlorophenol	N	UG/L		4.60E+00		<1		
2,4-Dimethylphenol	N	UG/L		3.60E+01		<1		
2,4-Dinitrophenol	N	UG/L		3.90E+00		<19		
2,4-Dinitrotoluene	N	UG/L		2.40E-01		<1		
2,6-Dichlorophenol	N	UG/L				<1		
2,6-Dinitrotoluene	N	UG/L		4.80E-02		<2		
2-Acetylaminofluorene	N	UG/L		1.60E-02		<2		
2-Chloronaphthalene	N	UG/L		7.50E+01		<1		
2-Chlorophenol	N	UG/L		9.10E+00		<1		
2-Methylnaphthalene	N	UG/L		3.60E+00		<1		
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01		<1		
2-Naphthylamine	N	UG/L		3.90E-02		<2		
2-Nitroaniline	N	UG/L		1.90E+01		<2		
2-Nitrophenol	N	UG/L				<1		
2-Picoline	N	UG/L				<2		
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01		<2		
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03		<5 UL		
3-Methylcholanthrene	N	UG/L		1.10E-03		<2		

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-3	HP-3	HP-3
			Federal MCL	EPA SL Tap Water	Field Sample ID	7651589	7651828	7651853
					Sample Name	BEL-G-HP-3	BEL-G-HP-3-DIS	BEL-G-HP-3-DIS-2
					Date Sampled	09/28/2000	09/28/2000	09/28/2000
					Sample Purpose	FS	FS	DUP
3-Nitroaniline	N	UG/L				<2		
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01		<5		
4-Aminobiphenyl	N	UG/L		3.00E-03		<2		
4-Bromophenyl Phenyl Ether	N	UG/L				<2		
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02		<1		
4-Chloroaniline	N	UG/L		3.60E-01		<1		
4-Chlorophenyl Phenyl Ether	N	UG/L				<1		
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03		<2		
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02		<3		
4-Nitroaniline	N	UG/L		3.80E+00		<2		
4-Nitrophenol	N	UG/L				<10		
4-Nitroquinoline-N-Oxide	N	UG/L				<19 UL		
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00		<2		
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04		<2		
Acenaphthene	N	UG/L		5.30E+01		<1		
Acenaphthylene	N	UG/L		5.30E+01		<1		
Acetophenone	N	UG/L		1.90E+02		<1		
Aniline	N	UG/L		1.30E+01		<1		
Anthracene	N	UG/L		1.80E+02		<1		
Benzo(A)Anthracene	N	UG/L		1.20E-02		<1		
Benzo(B)Fluoranthene	N	UG/L		3.40E-02		<1		
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01		<1		
Benzo(K)Fluoranthene	N	UG/L		3.40E-01		<1		
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03		<1		
Benzyl Alcohol	N	UG/L		2.00E+02		<5		
Bis(2-Chloro-1-Methylethyl) Ether	N	UG/L		3.60E-01		<1		
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00		<1		
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02		<1		
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00		<2		
Butyl Benzyl Phthalate	N	UG/L		1.60E+01		<2		
Chlorobenzilate	N	UG/L		3.10E-01		<3		
Chrysene	N	UG/L		3.40E+00		<1		
Diallate	N	UG/L		5.20E-01		<1		
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03		<1		
Dibenzofuran	N	UG/L		7.90E-01		<1		
Diethyl Phthalate	N	UG/L		1.50E+03		<2		
Dimethoate	N	UG/L		4.00E-01		<3 UL		
Dimethyl Phthalate	N	UG/L				<2		
Di-N-Butyl Phthalate	N	UG/L		9.00E+01		<2		
Ethyl Methanesulfonate	N	UG/L				<1		
Famphur	N	UG/L				<0.20		
Fluoranthene	N	UG/L		8.00E+01		<1		
Fluorene	N	UG/L		2.90E+01		<1		
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03		<2		

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-3	HP-3	HP-3
			Federal MCL	EPA SL Tap Water	Field Sample ID	7651589	7651828	7651853
					Sample Name	BEL-G-HP-3	BEL-G-HP-3-DIS	BEL-G-HP-3-DIS-2
					Date Sampled	09/28/2000	09/28/2000	09/28/2000
					Sample Purpose	FS	FS	DUP
Hexachlorobutadiene	N	UG/L		1.40E-01		<2		
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02		<5 UL		
Hexachloroethane	N	UG/L		3.30E-01		<1		
Hexachlorophene	N	UG/L		6.00E-01		<0.02 UL		
Hexachloropropylene	N	UG/L				<2		
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02		<1		
Isodrin	N	UG/L				<5 R		
Isophorone	N	UG/L		7.80E+01		<1		
Isosafrole	N	UG/L				<1		
Kepone	N	UG/L		3.50E-03		<0.045		
Methapyrilene	N	UG/L				<2		
Methyl Methanesulfonate	N	UG/L		7.90E-01		<1		
Naphthalene	N	UG/L		1.70E-01		<1		
N-Dioctyl Phthalate	N	UG/L		2.00E+01		<2		
Nitrobenzene	N	UG/L		1.40E-01		<1		
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04		<2		
N-Nitrosodiethylamine	N	UG/L		1.70E-04		<1		
N-Nitrosodimethylamine	N	UG/L		1.10E-04		<2		
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03		<1		
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02		<1		
N-Nitrosodiphenylamine	N	UG/L		1.20E+01		<1		
N-Nitrosomorpholine	N	UG/L		1.20E-02		<1		
N-Nitrosopiperidine	N	UG/L		8.20E-03		<1		
N-Nitrosopyrrolidine	N	UG/L		3.70E-02		<2		
O,O,O-Triethylphosphorothioate	N	UG/L				<2		
O-Toluidine	N	UG/L				<2		
para-Phenylenediamine	N	UG/L		3.80E+02		<58 R		
Parathion	N	UG/L		8.60E+00		<0.20		
Pentachlorobenzene	N	UG/L		3.20E-01		<1		
Pentachloronitrobenzene	N	UG/L		1.20E-01		<2		
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02		<3		
Phenacetin	N	UG/L		3.40E+01		<1		
Phenanthrene	N	UG/L		1.80E+02		<1		
Phenol	N	UG/L		5.80E+02		<1 UL		
Pronamide	N	UG/L		1.20E+02		<2		
Pyrene	N	UG/L		1.20E+01		<1		
Pyridine	N	UG/L		2.00E+00		<2		
Safrole	N	UG/L		9.50E-02		<1		
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01		<1		
Thionazin	N	UG/L				<3		
Pesticides and PCBs								
4,4'-DDD	N	UG/L		3.10E-02		<0.0039		
4,4'-DDE	N	UG/L		4.60E-02		<0.0039		
4,4'-DDT	N	UG/L		2.30E-01		<0.0039		

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-3	HP-3	HP-3
			Federal MCL	EPA SL Tap Water	Field Sample ID	7651589	7651828	7651853
					Sample Name	BEL-G-HP-3	BEL-G-HP-3-DIS	BEL-G-HP-3-DIS-2
					Date Sampled	09/28/2000	09/28/2000	09/28/2000
					Sample Purpose	FS	FS	DUP
Aldrin	N	UG/L		9.20E-04		<0.0020		
Alpha-BHC	N	UG/L		7.10E-03		<0.0020		
beta-BHC	N	UG/L		2.50E-02		**0.0123**		
Chlordane	N	UG/L	2.00E+00			<0.049		
delta-BHC	N	UG/L				<0.0057		
Dieldrin	N	UG/L		1.70E-03		<0.0039		
Disulfoton	N	UG/L		5.00E-02		<0.20		
Endosulfan I	N	UG/L		1.00E+01		<0.0020		
Endosulfan II	N	UG/L		1.00E+01		<0.0039		
Endosulfan Sulfate	N	UG/L		1.00E+01		<0.0039		
Endrin	N	UG/L	2.00E+00	2.30E-01		<0.0039		
Endrin Aldehyde	N	UG/L		2.30E-01		<0.0039		
Heptachlor	N	UG/L	4.00E-01	1.40E-03		**0.0024 J**		
Heptachlor Epoxide	N	UG/L	2.00E-01	1.40E-03		<0.0020		
Lindane	N	UG/L	2.00E-01	4.10E-02		<0.0020		
Methoxychlor	N	UG/L	4.00E+01	3.70E+00		<0.020		
Methyl Parathion	N	UG/L		4.50E-01		<0.20		
Phorate	N	UG/L		3.00E-01		<0.20		
Toxaphene	N	UG/L	3.00E+00	1.50E-02		<0.29		
PCB 1016	N	UG/L		1.40E-01		<0.098		
PCB 1221	N	UG/L		4.60E-03		<0.098		
PCB 1232	N	UG/L		4.60E-03		<0.098		
PCB 1242	N	UG/L		7.80E-03		<0.098		
PCB 1248	N	UG/L		7.80E-03		<0.098		
PCB 1254	N	UG/L		7.80E-03		<0.098		
PCB 1260	N	UG/L		7.80E-03		<0.098		
2,4,5-T	N	UG/L		1.60E+01		**0.0278 J**		
2,4-Dichlorophenoxyacetic Acid	N	UG/L	7.00E+01	1.70E+01		<0.099		
Dinoseb	N	UG/L	7.00E+00	1.50E+00		<0.049 UL		
Silvex	N	UG/L	5.00E+01	1.10E+01		<0.0099		
Inorganics								
Antimony	N	UG/L	6.00E+00	7.80E-01		<0.76		
Antimony	Y	UG/L	6.00E+00	7.80E-01			<0.76	<0.76
Arsenic	N	UG/L	1.00E+01	5.20E-02		**14**		
Arsenic	Y	UG/L	1.00E+01	5.20E-02			**14.3**	**15.4**
Barium	N	UG/L	2.00E+03	3.80E+02		**148**		
Barium	Y	UG/L	2.00E+03	3.80E+02			**159**	**135**
Beryllium	N	UG/L	4.00E+00	2.50E+00		<1.9		
Beryllium	Y	UG/L	4.00E+00	2.50E+00			<1.9	<1.9
Cadmium	N	UG/L	5.00E+00	9.20E-01		<3.6		
Cadmium	Y	UG/L	5.00E+00	9.20E-01			<3.6	<3.6
Chromium	N	UG/L	1.00E+02	2.20E+03		**22.3 J**		
Chromium	Y	UG/L	1.00E+02	2.20E+03			<6.6	<6.6
Cobalt	N	UG/L		6.00E-01		<7.1		

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-3	HP-3	HP-3
			Federal MCL	EPA SL Tap Water	Field Sample ID	7651589	7651828	7651853
					Sample Name	BEL-G-HP-3	BEL-G-HP-3-DIS	BEL-G-HP-3-DIS-2
					Date Sampled	09/28/2000	09/28/2000	09/28/2000
					Sample Purpose	FS	FS	DUP
Cobalt	Y	UG/L		6.00E-01			<7.1	<7.1
Copper	N	UG/L	1.30E+03	8.00E+01		**20.9 J**		
Copper	Y	UG/L	1.30E+03	8.00E+01			<2.7	<2.7
Lead	N	UG/L	1.50E+01	1.50E+01		**4.1**		
Lead	Y	UG/L	1.50E+01	1.50E+01			<1.9	<1.9
Mercury	N	UG/L	2.00E+00	6.30E-02		**0.17 J**		
Mercury	Y	UG/L	2.00E+00	6.30E-02			<0.048	<0.048
Nickel	N	UG/L		3.90E+01		**8.9 J**		
Nickel	Y	UG/L		3.90E+01			<8.4	<8.4
Selenium	N	UG/L	5.00E+01	1.00E+01		**1.9 B**		
Selenium	Y	UG/L	5.00E+01	1.00E+01			**1.3 J**	<1.3
Silver	N	UG/L		9.40E+00		<3.6		
Silver	Y	UG/L		9.40E+00			<3.6	<3.6
Thallium	N	UG/L	2.00E+00	2.00E-02		<0.20		
Thallium	Y	UG/L	2.00E+00	2.00E-02			<0.20	<0.20
Tin	N	UG/L		1.20E+03		<15.0		
Tin	Y	UG/L		1.20E+03			<15.0	<15.0
Vanadium	N	UG/L		8.60E+00		**3.2 J**		
Vanadium	Y	UG/L		8.60E+00			<2.6	<2.6
Zinc	N	UG/L		6.00E+02		**45.8 B**		
Zinc	Y	UG/L		6.00E+02			<8.6	<8.6
Miscellaneous								
Cyanide	N	UG/L	2.00E+02	1.50E-01		<4.0		
Sulfide	N	UG/L				<530		

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

Summary of Analytical Results - AOC F, SWMUs 53, 115 and 147 - Comparison to SLs
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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCF-1	AOCF-2	AOCF-3	HP-3	SWMU115-2	SWMU115-3	SWMU115-3	SWMU53-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	BEL-S-AOCF-1	BEL-S-AOCF-2	BEL-S-AOCF-3	7651348	28648384	28648382	28648385	28688810
					Sample Name				BEL-S-HP-3(4.5-6)	BEL-S-SWMU115-2(22-23)	BEL-S-SWMU115-3(0.5-1)	BEL-S-SWMU115-3(7-8)	BEL-S-SWMU53-1(0.5-1)
					Date Sampled	05/07/2013	05/07/2013	05/07/2013	09/28/2000	12/05/2012	12/05/2012	12/05/2012	12/06/2012
					Start Depth - End Depth				4.5 - 6	22 - 23	0.5 - 1	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
						Sediment	Sediment	Sediment	Fill	Native Soil	Fill	Native Soil	Fill
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02						<0.0020	<0.0020 UL	<0.0020 UL	<0.0020	<0.0030
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02						<0.0390	<0.0010	<0.00090	<0.0010	<0.0020
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
1,3-Dichlorobenzene	MG/KG								<0.0390	<0.0010	<0.00090	<0.0010	<0.0020
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01						<0.0390	<0.0010	<0.00090	<0.0010	<0.0020
2-Hexanone	MG/KG	2.00E+01	1.30E+02						<0.0030	<0.0030	<0.0030	<0.0030	<0.0050
Acetone	MG/KG	6.10E+03	6.70E+04						<0.0060	<0.0070	<0.0060	<0.0070	**0.0280 J**
Acetonitrile	MG/KG	8.10E+01	3.40E+02						<0.0230	<0.0250	<0.0230	<0.0240	<0.0420
Acrolein	MG/KG	1.40E-02	6.00E-02						<0.0180	<0.0200	<0.0180	<0.0190	<0.0340
Acrylonitrile	MG/KG	2.50E-01	1.10E+00						<0.0040	<0.0040	<0.0040	<0.0040	<0.0070
Allyl Chloride	MG/KG	1.70E-01	6.90E-01						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Benzene	MG/KG	1.20E+00	5.10E+00						<0.00090	<0.00050	<0.00050	<0.00050	**0.0010 J**
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Bromoform	MG/KG	1.90E+01	8.60E+01						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02						**0.0030 J**	<0.0010	**0.014**	**0.0010 J**	**0.0030 J**
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Chlorobenzene	MG/KG	2.80E+01	1.30E+02						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Chloroform	MG/KG	3.20E-01	1.40E+00						<0.00090	<0.0010	<0.00090	<0.0010	**0.009**
Chloroprene	MG/KG	1.00E-02	4.40E-02						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
cis-1,3-Dichloropropene	MG/KG								<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01						<0.0020	<0.0020	<0.0020	<0.0020 UL	<0.0030 UL
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03						<0.0020	<0.0020	<0.0020	<0.0020	<0.0030
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Ethylbenzene	MG/KG	5.80E+00	2.50E+01						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Formaldehyde	MG/KG	1.70E+01	7.30E+01			<1.6000	<1.6000	<1.6000		**2.9000 J**	**9.1**	**4.5**	
Iodomethane	MG/KG								<0.0030	<0.0030	<0.0030	<0.0030	<0.0050
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04						<0.0910	<0.1000	<0.0900	<0.0960	<0.1700
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01						<0.0050	<0.0050	<0.0050	<0.0050	<0.0080
Methyl Bromide	MG/KG	6.80E-01	3.00E+00						<0.0020	<0.0020	<0.0020	<0.0020	<0.0030
Methyl Chloride	MG/KG	1.10E+01	4.60E+01						<0.0020	<0.0020	<0.0020	<0.0020	<0.0030
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04						<0.0040	<0.0040	<0.0040	<0.0040	<0.0070
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03						<0.0030	<0.0030	<0.0030	<0.0030	<0.0050

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCF-1	AOCF-2	AOCF-3	HP-3	SWMU115-2	SWMU115-3	SWMU115-3	SWMU53-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	BEL-S-AOCF-1	BEL-S-AOCF-2	BEL-S-AOCF-3	7651348	28648384	28648382	28648385	28688810
					Sample Name				BEL-S-HP-3(4.5-6)	BEL-S-SWMU115-2(22-23)	BEL-S-SWMU115-3(0.5-1)	BEL-S-SWMU115-3(7-8)	BEL-S-SWMU53-1(0.5-1)
					Date Sampled	05/07/2013	05/07/2013	05/07/2013	09/28/2000	12/05/2012	12/05/2012	12/05/2012	12/06/2012
					Start Depth - End Depth				4.5 - 6	22 - 23	0.5 - 1	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
						Sediment	Sediment	Sediment	Fill	Native Soil	Fill	Native Soil	Fill
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Methylene Bromide	MG/KG	2.30E+00	9.80E+00						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Methylene Chloride	MG/KG	3.50E+01	3.20E+02						<0.0020	<0.0020	<0.0020	<0.0020	**0.0050 J**
Pentachloroethane	MG/KG	7.70E+00	3.60E+01						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Propionitrile	MG/KG								<0.0270	<0.0300	<0.0270	<0.0290	<0.0500
Styrene	MG/KG	6.00E+02	3.50E+03						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01						<0.00090	<0.0010	<0.00090	<0.0010	**0.0020 J**
Toluene	MG/KG	4.90E+02	4.70E+03						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
trans-1,3-Dichloropropene	MG/KG								<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02						<0.0090	<0.0100	<0.0090	<0.0100	<0.0170
Trichloroethene	MG/KG	4.10E-01	1.90E+00						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02						<0.0020	<0.0020	<0.0020	<0.0020	<0.0030
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02						<0.0020	<0.0020	<0.0020	<0.0020	<0.0030
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Xylenes	MG/KG	6.50E+01	2.80E+02						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020
Semi-Volatile Organic Compounds													
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01						<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01						<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03						<0.2000	<0.2100	<0.1900	<0.1900	<0.2000
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00						<0.0390	<0.0830	<0.0770	<0.0780	<0.0800
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01						<0.0640	<0.1200	<0.1100	<0.1200	<0.1200
1,4-Naphthoquinone	MG/KG								<0.9700 UL	<1.0000	<0.9600	<0.9700	<0.9900
1-Naphthylamine	MG/KG								<0.2000 UL	<0.2100	<0.1900	<0.1900	<0.2000
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03						<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03						<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01						<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02						<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03						<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02						<0.7800	<0.3700	<0.3400	<0.3500	<0.3600
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00						<0.0390	<0.0830	<0.0770	<0.0780	<0.0800
2,6-Dichlorophenol	MG/KG								<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00						<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01						<0.0390	<0.0830	<0.0770	<0.0780	<0.0800
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03						<0.0390	<0.0090	<0.0080	<0.0080	<0.0080
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02						<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02	4.70E-01					<0.0390	**0.0080 J**	**0.074**	**0.21**	**0.044**
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03						<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00						<0.2000 R	<0.2100 UL	<0.1900 UL	<0.1900 UL	<0.2000 UL
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02						<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
2-Nitrophenol	MG/KG								<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
2-Picoline	MG/KG								<0.0780	<0.1200	<0.1100	<0.1200	<0.1200
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00						<0.0780	<0.1200	<0.1100	<0.1200	<0.1200
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01						<0.2000	<0.6200	<0.5700	<0.5800	<0.6000

Summary of Analytical Results - AOC F, SWMUs 53, 115 and 147 - Comparison to SLs
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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCF-1	AOCF-2	AOCF-3	HP-3	SWMU115-2	SWMU115-3	SWMU115-3	SWMU53-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	BEL-S-AOCF-1	BEL-S-AOCF-2	BEL-S-AOCF-3	7651348	28648384	28648382	28648385	28688810
					Sample Name				BEL-S-HP-3(4.5-6)	BEL-S-SWMU115-2(22-23)	BEL-S-SWMU115-3(0.5-1)	BEL-S-SWMU115-3(7-8)	BEL-S-SWMU53-1(0.5-1)
					Date Sampled	05/07/2013	05/07/2013	05/07/2013	09/28/2000	12/05/2012	12/05/2012	12/05/2012	12/06/2012
					Start Depth - End Depth				4.5 - 6	22 - 23	0.5 - 1	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
						Sediment	Sediment	Sediment	Fill	Native Soil	Fill	Native Soil	Fill
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01						<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
3-Nitroaniline	MG/KG								<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00						<0.2000	<0.2100	<0.1900	<0.1900	<0.2000
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01						<0.2000 UL	<0.2100	<0.1900	<0.1900	<0.2000
4-Bromophenyl Phenyl Ether	MG/KG								<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03						<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01						<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
4-Chlorophenyl Phenyl Ether	MG/KG								<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01						<0.0390	<0.0830	<0.0770	<0.0780	<0.0800
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03						<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02						<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
4-Nitrophenol	MG/KG								<0.2000	<0.2100	<0.1900	<0.1900	<0.2000
4-Nitroquinoline-N-Oxide	MG/KG								<0.3900	<0.4100	<0.3800	<0.3900	<0.4000
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02						<0.2000 UL	<0.2100	<0.1900	<0.1900	<0.2000
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03						<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
Acenaphthene	MG/KG	3.60E+02	4.50E+03	3.40E-02					<0.0390	<0.0040	<0.0040	**0.0040 J**	<0.0040
Acenaphthylene	MG/KG	3.60E+02	4.50E+03	3.10E-01					**0.0540 J**	<0.0040	**0.0040 J**	**0.0050 J**	**0.0060 J**
Acetophenone	MG/KG	7.80E+02	1.20E+04						<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
Aniline	MG/KG	4.40E+01	4.00E+02						<0.0780	<0.2100	<0.1900	<0.1900	<0.2000
Anthracene	MG/KG	1.80E+03	2.30E+04	4.40E-01					<0.0390	<0.0040	**0.0060 J**	**0.0110 J**	**0.0120 J**
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00	8.90E-01					**0.0530 J**	<0.0040	**0.0140 J**	**0.0130 J**	**0.043**
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00	1.60E+00					**0.1300 J**	**0.0100 J**	**0.022**	**0.0160 J**	**0.068**
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03	6.10E-01					**0.0820 J**	**0.0080 J**	**0.0170 J**	**0.0150 J**	**0.035**
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01	6.40E-01					**0.0520 J**	<0.0040	**0.0100 J**	**0.0060 J**	**0.029**
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01	6.90E-01					**0.0930 J**	<0.0040	**0.0150 J**	**0.0120 J**	**0.043**
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03						<0.2000	<0.2100	<0.1900	<0.1900	<0.2000
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG	4.90E+00	2.20E+01						<0.0390				
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02						<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00						<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
Bis(2-Chloroisopropyl)Ether	MG/KG									<0.0210	<0.0190	<0.0190	<0.0200
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02						<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03						<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01						<0.0780	<0.0410	<0.0380	<0.0390	<0.0400
Chrysene	MG/KG	1.60E+01	2.90E+02	1.50E+00					**0.0490 J**	**0.0100 J**	**0.023**	**0.022**	**0.051**
Diallate	MG/KG	8.90E+00	3.80E+01						<0.0780	<0.0410	<0.0380	<0.0390	<0.0400
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01	2.00E-01					<0.0390	<0.0040	**0.0040 J**	**0.0040 J**	**0.0120 J**
Dibenzofuran	MG/KG	7.30E+00	1.00E+02						<0.0390	<0.0210	<0.0190	**0.0370 J**	**0.0220 J**
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04						<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
Dimethyl Phthalate	MG/KG								<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03						<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
Ethyl Methanesulfonate	MG/KG								<0.0390	<0.0830	<0.0770	<0.0780	<0.0800
Famphur	MG/KG								<0.00780				
Fluoranthene	MG/KG	2.40E+02	3.00E+03	1.90E+00					**0.0980 J**	<0.0040	**0.031**	**0.021**	**0.075**
Fluorene	MG/KG	2.40E+02	3.00E+03	8.50E-02					**0.1400 J**	<0.0040	**0.0050 J**	**0.0110 J**	**0.0050 J**

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCF-1	AOCF-2	AOCF-3	HP-3	SWMU115-2	SWMU115-3	SWMU115-3	SWMU53-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	BEL-S-AOCF-1	BEL-S-AOCF-2	BEL-S-AOCF-3	7651348	28648384	28648382	28648385	28688810
					Sample Name				BEL-S-HP-3(4.5-6)	BEL-S-SWMU115-2(22-23)	BEL-S-SWMU115-3(0.5-1)	BEL-S-SWMU115-3(7-8)	BEL-S-SWMU53-1(0.5-1)
					Date Sampled	05/07/2013	05/07/2013	05/07/2013	09/28/2000	12/05/2012	12/05/2012	12/05/2012	12/06/2012
					Start Depth - End Depth				4.5 - 6	22 - 23	0.5 - 1	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
						Sediment	Sediment	Sediment	Fill	Native Soil	Fill	Native Soil	Fill
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01						<0.0390	<0.0040	**0.0090 J**	<0.0040	<0.0040
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00						<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01						<0.2000	<0.2100	<0.1900	<0.1900	<0.2000
Hexachloroethane	MG/KG	1.80E+00	8.00E+00						<0.0390	<0.0410	<0.0380	<0.0390	<0.0400
Hexachlorophene	MG/KG	1.90E+00	2.50E+01						<0.0020 UL				
Hexachloropropylene	MG/KG								<0.0780	<0.1200	<0.1100	<0.1200	<0.1200
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00	5.70E-01					**0.0860 J**	<0.0040	**0.0090 J**	**0.0040 J**	**0.027**
Isodrin	MG/KG								<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
Isophorone	MG/KG	5.70E+02	2.40E+03						<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
Isosafrole	MG/KG								<0.0390	<0.0830	<0.0770	<0.0780	<0.0800
Kepone	MG/KG	5.40E-02	2.30E-01						<0.000780				
Methapyrilene	MG/KG								<0.0390	<2.1000	<1.9000	<1.9000	<2.0000
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01						<0.0390	<0.0410	<0.0380	<0.0390	<0.0400
Naphthalene	MG/KG	3.80E+00	1.70E+01	1.20E+00					<0.0390	**0.0050 J**	**0.06**	**0.14**	**0.028**
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02						<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
Nitrobenzene	MG/KG	5.10E+00	2.20E+01						<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02						<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02						<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02						<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01						<0.0390	<0.0830	<0.0770	<0.0780	<0.0800
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01						<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02						<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01						<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01						<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00						<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
O,O,O-Triethylphosphorothioate	MG/KG								<0.1200	<0.0830	<0.0770	<0.0780	<0.0800
O-Toluidine	MG/KG								<0.0780	<0.2500	<0.2300	<0.2300	<0.2400
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04						<2.3000 UL	<15.0000	<13.0000	<14.0000	<14.0000
Parathion	MG/KG	3.80E+01	4.90E+02						<0.00780				
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01						<0.0390	<0.0210	<0.0190	<0.0190	<0.0200
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01						<0.0390	<0.0830	<0.0770	<0.0780	<0.0800
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00						<0.2000	<0.0410	<0.0380	<0.0390	<0.0400
Phenacetin	MG/KG	2.50E+02	1.00E+03						<0.0390	<0.0830	<0.0770	<0.0780	<0.0800
Phenanthrene	MG/KG	1.80E+03	2.30E+04	8.70E-01					**0.0470 J**	**0.0140 J**	**0.05**	**0.087**	**0.1**
Phenol	MG/KG	1.90E+03	2.50E+04						<0.0780	<0.0210	<0.0190	<0.0190	<0.0200
Pyrene	MG/KG	1.80E+02	2.30E+03	1.50E+00					**0.0970 J**	<0.0040	**0.032**	**0.027**	**0.066**
Pyridine	MG/KG	7.80E+00	1.20E+02						<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
Safrole	MG/KG	5.50E-01	1.00E+01						<0.0390	<0.0830	<0.0770	<0.0780	<0.0800
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01						<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
Thionazin	MG/KG								<0.0780	<0.0830	<0.0770	<0.0780	<0.0800
Pesticides and PCBs													
4,4'-DDD	MG/KG	2.30E+00	9.60E+00						**0.000190 J**				
4,4'-DDE	MG/KG	2.00E+00	9.30E+00						<0.000150				
4,4'-DDT	MG/KG	1.90E+00	8.50E+00						**0.000410 J**				

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCF-1	AOCF-2	AOCF-3	HP-3	SWMU115-2	SWMU115-3	SWMU115-3	SWMU53-1
					Field Sample ID	BEL-S-AOCF-1	BEL-S-AOCF-2	BEL-S-AOCF-3	7651348	28648384	28648382	28648385	28688810
					Sample Name				BEL-S-HP-3(4.5-6)	BEL-S-SWMU115-2(22-23)	BEL-S-SWMU115-3(0.5-1)	BEL-S-SWMU115-3(7-8)	BEL-S-SWMU53-1(0.5-1)
					Date Sampled	05/07/2013	05/07/2013	05/07/2013	09/28/2000	12/05/2012	12/05/2012	12/05/2012	12/06/2012
					Start Depth - End Depth				4.5 - 6	22 - 23	0.5 - 1	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil			Sediment	Sediment	Sediment	Fill	Native Soil	Fill	Native Soil	Fill
Aldrin	MG/KG	3.90E-02	1.80E-01						<0.0000780				
Alpha-BHC	MG/KG	8.60E-02	3.60E-01						<0.0000780				
beta-BHC	MG/KG	3.00E-01	1.30E+00						<0.000180				
Chlordane	MG/KG								<0.00390				
delta-BHC	MG/KG								<0.0000780				
Dieldrin	MG/KG	3.40E-02	1.40E-01						<0.000150				
Dimethoate	MG/KG	1.30E+00	1.60E+01						<0.1200	<0.2100 UL	<0.1900 UL	<0.1900 UL	<0.2000 UL
Disulfoton	MG/KG	2.50E-01	3.30E+00						<0.00780				
Endosulfan I	MG/KG	4.70E+01	7.00E+02						<0.0000780				
Endosulfan II	MG/KG	4.70E+01	7.00E+02						<0.000150				
Endosulfan Sulfate	MG/KG	4.70E+01	7.00E+02						**0.000500 J**				
Endrin	MG/KG	1.90E+00	2.50E+01						<0.000150				
Endrin Aldehyde	MG/KG	1.90E+00	2.50E+01						<0.000150				
Heptachlor	MG/KG	1.30E-01	6.30E-01						<0.0000780				
Heptachlor Epoxide	MG/KG	7.00E-02	3.30E-01						<0.0000780				
Lindane	MG/KG	5.70E-01	2.50E+00						<0.0000780				
Methoxychlor	MG/KG	3.20E+01	4.10E+02						<0.000780				
Methyl Parathion	MG/KG	1.60E+00	2.10E+01						<0.00780				
Phorate	MG/KG	1.30E+00	1.60E+01						<0.00780				
Toxaphene	MG/KG	4.90E-01	2.10E+00						<0.00780				
PCB 1016	MG/KG	4.10E-01	5.10E+00						<0.00390				
PCB 1221	MG/KG	1.70E-01	7.20E-01						<0.00910				
PCB 1232	MG/KG	1.70E-01	7.20E-01						<0.00390				
PCB 1242	MG/KG	2.30E-01	9.70E-01						<0.00390				
PCB 1248	MG/KG	2.30E-01	9.40E-01						<0.00390				
PCB 1254	MG/KG	1.20E-01	9.70E-01						<0.00390				
PCB 1260	MG/KG	2.40E-01	9.90E-01						<0.00390				
2,4,5-T	MG/KG	6.30E+01	8.20E+02						<0.000470				<0.000990
2,4-Dichlorophenoxyacetic Acid	MG/KG	7.00E+01	9.60E+02						<0.00390				**0.0210 J**
Dinoseb	MG/KG	6.30E+00	8.20E+01						<0.00440 R				<0.00960 UL
Pronamide	MG/KG	4.70E+02	6.20E+03						<0.2000	<0.0410	<0.0380	<0.0390	<0.0400
Silvex	MG/KG	5.10E+01	6.60E+02						<0.000390				<0.000900
Inorganics													
Antimony	MG/KG	3.10E+00	4.70E+01	1.43E+00					<2.5	<0.0789	**0.0957 J**	<0.0764	**1.72**
Arsenic	MG/KG	6.80E-01	3.00E+00	2.20E+01					**6.4**	**2.98**	**5.51**	**2.77**	**13.6**
Barium	MG/KG	1.50E+03	2.20E+04	2.62E+02					**134**	**110**	**590**	**95.1**	**101**
Beryllium	MG/KG	1.60E+01	2.30E+02	2.23E+00					**0.93**	**0.846**	**0.899**	**0.728**	**0.483 J**
Cadmium	MG/KG	7.10E+00	9.80E+01	1.37E+00					**0.40 J**	<0.0395	<0.0364	<0.0382	<0.0393
Chromium	MG/KG			4.40E+01					**19.4**	**19.4 K**	**16.6 K**	**13.2 K**	**51.2 K**
Cobalt	MG/KG	2.30E+00	3.50E+01	2.23E+01					**9.2**	**11**	**7.66**	**7.34**	**3.42**
Copper	MG/KG	3.10E+02	4.70E+03	8.86E+01					**79.5**	**14.5 K**	**21.8 K**	**8.65 K**	**820 K**
Lead	MG/KG	4.00E+02	8.00E+02	1.06E+02					**25**	**13**	**21.2**	**10.6**	**101**
Mercury	MG/KG	2.30E+00	3.50E+01	4.14E+00					**0.88**	**0.0236 J**	**0.0643 J**	**0.0211 J**	**6.72**
Nickel	MG/KG	1.50E+02	2.20E+03	2.59E+01					**19.7**	**21**	**18.3**	**14.3**	**12.4**

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	AOCF-1	AOCF-2	AOCF-3	HP-3	SWMU115-2	SWMU115-3	SWMU115-3	SWMU53-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	BEL-S-AOCF-1	BEL-S-AOCF-2	BEL-S-AOCF-3	7651348	28648384	28648382	28648385	28688810
					Sample Name				BEL-S-HP-3(4.5-6)	BEL-S-SWMU115-2(22-23)	BEL-S-SWMU115-3(0.5-1)	BEL-S-SWMU115-3(7-8)	BEL-S-SWMU53-1(0.5-1)
					Date Sampled	05/07/2013	05/07/2013	05/07/2013	09/28/2000	12/05/2012	12/05/2012	12/05/2012	12/06/2012
					Start Depth - End Depth				4.5 - 6	22 - 23	0.5 - 1	7 - 8	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
						Sediment	Sediment	Sediment	Fill	Native Soil	Fill	Native Soil	Fill
Selenium	MG/KG	3.90E+01	5.80E+02	2.19E+00					**0.63 J**	**0.547**	**0.152 J**	**0.170 J**	**1.05**
Silver	MG/KG	3.90E+01	5.80E+02						<0.36	<0.167	<0.155	<0.162	**0.573 J**
Thallium	MG/KG	7.80E-02	1.20E+00	4.09E-01					<0.54	**0.163**	**0.142**	**0.111 J**	**0.27**
Tin	MG/KG	4.70E+03	7.00E+04						<4.2	**2.65 B**	**2.59 B**	**2.49 B**	**3.52 B**
Vanadium	MG/KG	3.90E+01	5.80E+02	6.74E+01					**19.1**	**28.7**	**21.5**	**17.2**	**7.4**
Zinc	MG/KG	2.30E+03	3.50E+04	1.33E+02					**60.4**	**63.1**	**57.5**	**43**	**33.5**
Miscellaneous													
Cyanide	MG/KG	2.70E-01	1.20E+00						<0.2100				
Percent Moisture	%					**23**	**26.3**	**24.7**		**19.6**	**12.9**	**14.5**	**17.6**
Percent Moisture	% BY WT.								**14.5**				
Sulfide	MG/KG								<4.7				

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil) (based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

(2) Site-specific historical fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the industrial SL and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU53-1
					Field Sample ID	28688811
					Sample Name	BEL-S-SWMU53-1(16-17)
					Date Sampled	12/06/2012
					Start Depth - End Depth	16 - 17
					Sample Purpose	FS
						Native Soil
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00			<0.0450
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03			<0.0450
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00			<0.0450
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01			<0.0450
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01			<0.0450
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02			<0.0450
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01			<0.0450
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02			<0.0900
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01			<0.0450
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02			<0.0450
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00			<0.0450
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00			<0.0450
1,3-Dichlorobenzene	MG/KG					<0.0450
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01			<0.0450
2-Hexanone	MG/KG	2.00E+01	1.30E+02			<0.1400
Acetone	MG/KG	6.10E+03	6.70E+04			<0.3200
Acetonitrile	MG/KG	8.10E+01	3.40E+02			<1.1000
Acrolein	MG/KG	1.40E-02	6.00E-02			<0.9000
Acrylonitrile	MG/KG	2.50E-01	1.10E+00			<0.1800
Allyl Chloride	MG/KG	1.70E-01	6.90E-01			<0.0450
Benzene	MG/KG	1.20E+00	5.10E+00			<0.0230
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00			<0.0450
Bromoform	MG/KG	1.90E+01	8.60E+01			<0.0450
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02			**0.38**
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00			<0.0450
Chlorobenzene	MG/KG	2.80E+01	1.30E+02			<0.0450
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00			<0.0450
Chloroform	MG/KG	3.20E-01	1.40E+00			<0.0450
Chloroprene	MG/KG	1.00E-02	4.40E-02			<0.0450
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02			<0.0450
cis-1,3-Dichloropropene	MG/KG					<0.0450
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01			<0.0900 UL
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03			<0.0900
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02			<0.0450
Ethylbenzene	MG/KG	5.80E+00	2.50E+01			<0.0450
Formaldehyde	MG/KG	1.70E+01	7.30E+01			
Iodomethane	MG/KG					<0.1400
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04			<4.5000
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01			<0.2300
Methyl Bromide	MG/KG	6.80E-01	3.00E+00			<0.0900
Methyl Chloride	MG/KG	1.10E+01	4.60E+01			<0.0900
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04			<0.1800
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03			<0.1400

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU53-1
					Field Sample ID	28688811
					Sample Name	BEL-S-SWMU53-1(16-17)
					Date Sampled	12/06/2012
					Start Depth - End Depth	16 - 17
					Sample Purpose	FS
		EPA SL Residential Soil	EPA SL Industrial Soil			Native Soil
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03			<0.0450
Methylene Bromide	MG/KG	2.30E+00	9.80E+00			<0.0450
Methylene Chloride	MG/KG	3.50E+01	3.20E+02			<0.0900
Pentachloroethane	MG/KG	7.70E+00	3.60E+01			<0.0450
Propionitrile	MG/KG					<1.4000
Styrene	MG/KG	6.00E+02	3.50E+03			<0.0450
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01			<0.0450
Toluene	MG/KG	4.90E+02	4.70E+03			<0.0450
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03			<0.0450
trans-1,3-Dichloropropene	MG/KG					<0.0450
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02			<0.4500
Trichloroethene	MG/KG	4.10E-01	1.90E+00			<0.0450
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02			<0.0900
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02			<0.0900
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00			<0.0450
Xylenes	MG/KG	6.50E+01	2.80E+02			<0.0450
Semi-Volatile Organic Compounds						
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01			<0.0200
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01			<0.0200
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03			<0.2000
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00			<0.0790
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01			<0.1200
1,4-Naphthoquinone	MG/KG					<0.9900
1-Naphthylamine	MG/KG					<0.2000
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03			<0.0790
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03			<0.0200
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01			<0.0200
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02			<0.0200
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03			<0.0200
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02			<0.3600
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00			<0.0790
2,6-Dichlorophenol	MG/KG					<0.0200
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00			<0.0200
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01			<0.0790
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03			<0.0080
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02			<0.0200
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02	4.70E-01		**0.44**
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03			<0.0200
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00			<0.2000 UL
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02			<0.0200
2-Nitrophenol	MG/KG					<0.0200
2-Picoline	MG/KG					<0.1200
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00			<0.1200
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01			<0.6000

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU53-1
					Field Sample ID	28688811
					Sample Name	BEL-S-SWMU53-1(16-17)
					Date Sampled	12/06/2012
					Start Depth - End Depth	16 - 17
					Sample Purpose	FS
		EPA SL Residential Soil	EPA SL Industrial Soil			Native Soil
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01			<0.0200
3-Nitroaniline	MG/KG					<0.0790
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00			<0.2000
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01			<0.2000
4-Bromophenyl Phenyl Ether	MG/KG					<0.0200
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03			<0.0200
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01			<0.0200
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0200
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01			<0.0790
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03			<0.0200
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02			<0.0790
4-Nitrophenol	MG/KG					<0.2000
4-Nitroquinoline-N-Oxide	MG/KG					<0.4000
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02			<0.2000
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03			<0.0200
Acenaphthene	MG/KG	3.60E+02	4.50E+03	3.40E-02		**0.091**
Acenaphthylene	MG/KG	3.60E+02	4.50E+03	3.10E-01		**0.053**
Acetophenone	MG/KG	7.80E+02	1.20E+04			**0.0310 J**
Aniline	MG/KG	4.40E+01	4.00E+02			<0.2000
Anthracene	MG/KG	1.80E+03	2.30E+04	4.40E-01		**0.45**
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00	8.90E-01		**0.35**
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00	1.60E+00		**0.38**
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03	6.10E-01		**0.21**
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01	6.40E-01		**0.17**
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01	6.90E-01		**0.32**
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03			<0.2000
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG	4.90E+00	2.20E+01			
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02			<0.0200
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00			<0.0200
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0200
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02			<0.0790
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03			<0.0790
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01			<0.0400
Chrysene	MG/KG	1.60E+01	2.90E+02	1.50E+00		**0.34**
Diallate	MG/KG	8.90E+00	3.80E+01			<0.0400
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01	2.00E-01		**0.044**
Dibenzofuran	MG/KG	7.30E+00	1.00E+02			**0.53**
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04			<0.0790
Dimethyl Phthalate	MG/KG					<0.0790
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03			<0.0790
Ethyl Methanesulfonate	MG/KG					<0.0790
Famphur	MG/KG					
Fluoranthene	MG/KG	2.40E+02	3.00E+03	1.90E+00		**1.3**
Fluorene	MG/KG	2.40E+02	3.00E+03	8.50E-02		**0.83**

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU53-1
					Field Sample ID	28688811
					Sample Name	BEL-S-SWMU53-1(16-17)
					Date Sampled	12/06/2012
					Start Depth - End Depth	16 - 17
					Sample Purpose	FS
		EPA SL Residential Soil	EPA SL Industrial Soil			Native Soil
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01			<0.0040
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00			<0.0200
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01			<0.2000
Hexachloroethane	MG/KG	1.80E+00	8.00E+00			<0.0400
Hexachlorophene	MG/KG	1.90E+00	2.50E+01			
Hexachloropropylene	MG/KG					<0.1200
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00	5.70E-01		**0.17**
Isodrin	MG/KG					<0.0200
Isophorone	MG/KG	5.70E+02	2.40E+03			<0.0200
Isosafrole	MG/KG					<0.0790
Kepone	MG/KG	5.40E-02	2.30E-01			
Methapyrilene	MG/KG					<2.0000
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01			<0.0400
Naphthalene	MG/KG	3.80E+00	1.70E+01	1.20E+00		**3.4**
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02			<0.0790
Nitrobenzene	MG/KG	5.10E+00	2.20E+01			<0.0200
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02			<0.0790
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02			<0.0200
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02			<0.0790
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01			<0.0790
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01			<0.0200
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02			<0.0200
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01			<0.0790
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01			<0.0200
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00			<0.0200
O,O,O-Triethylphosphorothioate	MG/KG					<0.0790
O-Toluidine	MG/KG					<0.2400
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04			<14.0000
Parathion	MG/KG	3.80E+01	4.90E+02			
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01			<0.0200
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01			<0.0790
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00			<0.0400
Phenacetin	MG/KG	2.50E+02	1.00E+03			<0.0790
Phenanthrene	MG/KG	1.80E+03	2.30E+04	8.70E-01		**1.9**
Phenol	MG/KG	1.90E+03	2.50E+04			<0.0200
Pyrene	MG/KG	1.80E+02	2.30E+03	1.50E+00		**1**
Pyridine	MG/KG	7.80E+00	1.20E+02			<0.0790
Safrole	MG/KG	5.50E-01	1.00E+01			<0.0790
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01			<0.0790
Thionazin	MG/KG					<0.0790
Pesticides and PCBs						
4,4'-DDD	MG/KG	2.30E+00	9.60E+00			
4,4'-DDE	MG/KG	2.00E+00	9.30E+00			
4,4'-DDT	MG/KG	1.90E+00	8.50E+00			

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU53-1
					Field Sample ID	28688811
					Sample Name	BEL-S-SWMU53-1(16-17)
					Date Sampled	12/06/2012
					Start Depth - End Depth	16 - 17
					Sample Purpose	FS
						Native Soil
		EPA SL Residential Soil	EPA SL Industrial Soil			
Aldrin	MG/KG	3.90E-02	1.80E-01			
Alpha-BHC	MG/KG	8.60E-02	3.60E-01			
beta-BHC	MG/KG	3.00E-01	1.30E+00			
Chlordane	MG/KG					
delta-BHC	MG/KG					
Dieldrin	MG/KG	3.40E-02	1.40E-01			
Dimethoate	MG/KG	1.30E+00	1.60E+01			<0.2000 UL
Disulfoton	MG/KG	2.50E-01	3.30E+00			
Endosulfan I	MG/KG	4.70E+01	7.00E+02			
Endosulfan II	MG/KG	4.70E+01	7.00E+02			
Endosulfan Sulfate	MG/KG	4.70E+01	7.00E+02			
Endrin	MG/KG	1.90E+00	2.50E+01			
Endrin Aldehyde	MG/KG	1.90E+00	2.50E+01			
Heptachlor	MG/KG	1.30E-01	6.30E-01			
Heptachlor Epoxide	MG/KG	7.00E-02	3.30E-01			
Lindane	MG/KG	5.70E-01	2.50E+00			
Methoxychlor	MG/KG	3.20E+01	4.10E+02			
Methyl Parathion	MG/KG	1.60E+00	2.10E+01			
Phorate	MG/KG	1.30E+00	1.60E+01			
Toxaphene	MG/KG	4.90E-01	2.10E+00			
PCB 1016	MG/KG	4.10E-01	5.10E+00			
PCB 1221	MG/KG	1.70E-01	7.20E-01			
PCB 1232	MG/KG	1.70E-01	7.20E-01			
PCB 1242	MG/KG	2.30E-01	9.70E-01			
PCB 1248	MG/KG	2.30E-01	9.40E-01			
PCB 1254	MG/KG	1.20E-01	9.70E-01			
PCB 1260	MG/KG	2.40E-01	9.90E-01			
2,4,5-T	MG/KG	6.30E+01	8.20E+02			<0.00380 UJ
2,4-Dichlorophenoxyacetic Acid	MG/KG	7.00E+01	9.60E+02			<0.0140 UJ
Dinoseb	MG/KG	6.30E+00	8.20E+01			<0.00960 UJ
Pronamide	MG/KG	4.70E+02	6.20E+03			<0.0400
Silvex	MG/KG	5.10E+01	6.60E+02			<0.00180 UJ
Inorganics						
Antimony	MG/KG	3.10E+00	4.70E+01	1.43E+00		**0.236 J**
Arsenic	MG/KG	6.80E-01	3.00E+00	2.20E+01		**6.78**
Barium	MG/KG	1.50E+03	2.20E+04	2.62E+02		**98.4**
Beryllium	MG/KG	1.60E+01	2.30E+02	2.23E+00		**0.804**
Cadmium	MG/KG	7.10E+00	9.80E+01	1.37E+00		<0.0392
Chromium	MG/KG			4.40E+01		**18.4 K**
Cobalt	MG/KG	2.30E+00	3.50E+01	2.23E+01		**5.15**
Copper	MG/KG	3.10E+02	4.70E+03	8.86E+01		**31.9 K**
Lead	MG/KG	4.00E+02	8.00E+02	1.06E+02		**24.8**
Mercury	MG/KG	2.30E+00	3.50E+01	4.14E+00		**0.0235 J**
Nickel	MG/KG	1.50E+02	2.20E+03	2.59E+01		**19.8**

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU53-1
					Field Sample ID	28688811
					Sample Name	BEL-S-SWMU53-1(16-17)
					Date Sampled	12/06/2012
					Start Depth - End Depth	16 - 17
					Sample Purpose	FS
		EPA SL Residential Soil	EPA SL Industrial Soil			Native Soil
Selenium	MG/KG	3.90E+01	5.80E+02	2.19E+00		**0.596**
Silver	MG/KG	3.90E+01	5.80E+02			<0.166
Thallium	MG/KG	7.80E-02	1.20E+00	4.09E-01		**0.295**
Tin	MG/KG	4.70E+03	7.00E+04			**2.73 B**
Vanadium	MG/KG	3.90E+01	5.80E+02	6.74E+01		**24**
Zinc	MG/KG	2.30E+03	3.50E+04	1.33E+02		**56.4**
Miscellaneous						
Cyanide	MG/KG	2.70E-01	1.20E+00			
Percent Moisture	%					**17.4**
Percent Moisture	% BY WT.					
Sulfide	MG/KG					

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

(2) Site-specific historical fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the industrial SL and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)		Location ID	HP-3	SWMU115-2	SWMU115-3	SWMU115-3	SWMU53-1	SWMU53-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20			Field Sample ID	7651348	28648384	28648382	28648385	28688810	28688811
						Sample Name	BEL-S-HP-3(4.5-6)	BEL-S-SWMU115-2(22-23)	BEL-S-SWMU115-3(0.5-1)	BEL-S-SWMU115-3(7-8)	BEL-S-SWMU53-1(0.5-1)	BEL-S-SWMU53-1(16-17)
						Date Sampled	09/28/2000	12/05/2012	12/05/2012	12/05/2012	12/06/2012	12/06/2012
						Start Depth - End Depth	4.5 - 6	22 - 23	0.5 - 1	7 - 8	0.5 - 1	16 - 17
						Sample Purpose	FS	FS	FS	FS	FS	FS
						Fill or Native Soil	Fill	Native Soil	Fill	Native Soil	Fill	Native Soil
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
1,1-Dichloroethane	MG/KG		1.56E-02				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
1,2,3-Trichloropropane	MG/KG		6.40E-06				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06				<0.0020	<0.0020 UL	<0.0020 UL	<0.0020	<0.0030	<0.0900
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00				<0.0390	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
1,3-Dichlorobenzene	MG/KG						<0.0390	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03				<0.0390	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
2-Hexanone	MG/KG		1.76E-01				<0.0030	<0.0030	<0.0030	<0.0030	<0.0050	<0.1400
Acetone	MG/KG		5.80E+01				<0.0060	<0.0070	<0.0060	<0.0070	**0.0280 J**	<0.3200
Acetonitrile	MG/KG		5.20E-01				<0.0230	<0.0250	<0.0230	<0.0240	<0.0420	<1.1000
Acrolein	MG/KG		1.68E-04				<0.0180	<0.0200	<0.0180	<0.0190	<0.0340	<0.9000
Acrylonitrile	MG/KG		2.20E-04				<0.0040	<0.0040	<0.0040	<0.0040	<0.0070	<0.1800
Allyl Chloride	MG/KG		4.60E-03				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Benzene	MG/KG	5.20E-02	4.60E-03				<0.00090	<0.00050	<0.00050	<0.00050	**0.0010 J**	<0.0230
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Bromoform	MG/KG	4.20E-01	1.74E-02				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Carbon Disulfide	MG/KG		4.80E+00				**0.0030 J**	<0.0010	**0.0140**	**0.0010 J**	**0.0030 J**	**0.3800**
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Chlorobenzene	MG/KG	1.36E+00	1.06E+00				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Chloroform	MG/KG	4.40E-01	1.22E-03				<0.00090	<0.0010	<0.00090	<0.0010	**0.0090**	<0.0450
Chloroprene	MG/KG		1.96E-04				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
cis-1,3-Dichloropropene	MG/KG						<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Dichlorodifluoromethane	MG/KG		6.00E+00				<0.0020	<0.0020	<0.0020	<0.0020 UL	<0.0030 UL	<0.0900 UL
Ethyl Chloride	MG/KG		1.18E+02				<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0900
Ethyl Methacrylate	MG/KG		2.20E+00				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Ethylbenzene	MG/KG	1.56E+01	3.40E-02				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Formaldehyde	MG/KG		1.74E-03					**2.9000 J**	**9.1**	**4.5**		
Iodomethane	MG/KG						<0.0030	<0.0030	<0.0030	<0.0030	<0.0050	<0.1400
Isobutyl Alcohol	MG/KG		2.40E+01				<0.0910	<0.1000	<0.0900	<0.0960	<0.1700	<4.5000
Methacrylonitrile	MG/KG		8.60E-03				<0.0050	<0.0050	<0.0050	<0.0050	<0.0080	<0.2300
Methyl Bromide	MG/KG		3.80E-02				<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0900
Methyl Chloride	MG/KG		9.80E-01				<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0900
Methyl Ethyl Ketone	MG/KG		2.40E+01				<0.0040	<0.0040	<0.0040	<0.0040	<0.0070	<0.1800
Methyl Isobutyl Ketone	MG/KG		5.60E+00				<0.0030	<0.0030	<0.0030	<0.0030	<0.0050	<0.1400
Methyl Methacrylate	MG/KG		6.00E+00				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Methylene Bromide	MG/KG		4.00E-02				<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-3	SWMU115-2	SWMU115-3	SWMU115-3	SWMU53-1	SWMU53-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7651348	28648384	28648382	28648385	28688810	28688811
					Sample Name	BEL-S-HP-3(4.5-6)	BEL-S-SWMU115-2(22-23)	BEL-S-SWMU115-3(0.5-1)	BEL-S-SWMU115-3(7-8)	BEL-S-SWMU53-1(0.5-1)	BEL-S-SWMU53-1(16-17)
					Date Sampled	09/28/2000	12/05/2012	12/05/2012	12/05/2012	12/06/2012	12/06/2012
					Start Depth - End Depth	4.5 - 6	22 - 23	0.5 - 1	7 - 8	0.5 - 1	16 - 17
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Native Soil	Fill	Native Soil
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020	<0.0020	<0.0020	<0.0020	**0.0050 J**	<0.0900
Pentachloroethane	MG/KG		6.20E-03			<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Propionitrile	MG/KG					<0.0270	<0.0300	<0.0270	<0.0290	<0.0500	<1.4000
Styrene	MG/KG	2.20E+00	2.60E+01			<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.00090	<0.0010	<0.00090	<0.0010	**0.0020 J**	<0.0450
Toluene	MG/KG	1.38E+01	1.52E+01			<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
trans-1,3-Dichloropropene	MG/KG					<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0090	<0.0100	<0.0090	<0.0100	<0.0170	<0.4500
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0900
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020	<0.0020	<0.0020	<0.0030	<0.0900
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.00090	<0.0010	<0.00090	<0.0010	<0.0020	<0.0450
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2000	<0.2100	<0.1900	<0.1900	<0.2000	<0.2000
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0390	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
1,4-Dioxane	MG/KG		1.88E-03			<0.0640	<0.1200	<0.1100	<0.1200	<0.1200	<0.1200
1,4-Naphthoquinone	MG/KG					<0.9700 UL	<1.0000	<0.9600	<0.9700	<0.9900	<0.9900
1-Naphthylamine	MG/KG					<0.2000 UL	<0.2100	<0.1900	<0.1900	<0.2000	<0.2000
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
2,4,5-T	MG/KG		1.34E+00			<0.000470				<0.000990	<0.00380 UJ
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01			<0.00390				**0.0210 J**	<0.0140 UJ
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.7800	<0.3700	<0.3400	<0.3500	<0.3600	<0.3600
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0390	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
2,6-Dichlorophenol	MG/KG					<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0390	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0390	<0.0090	<0.0080	<0.0080	<0.0080	<0.0080
2-Chlorophenol	MG/KG		1.48E+00			<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		<0.0390	**0.0080 J**	**0.0740**	**0.2100**	**0.0440**	**0.4400**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
2-Naphthylamine	MG/KG		4.00E-03			<0.2000 R	<0.2100 UL	<0.1900 UL	<0.1900 UL	<0.2000 UL	<0.2000 UL
2-Nitroaniline	MG/KG		1.60E+00			<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
2-Nitrophenol	MG/KG					<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
2-Picoline	MG/KG					<0.0780	<0.1200	<0.1100	<0.1200	<0.1200	<0.1200
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.0780	<0.1200	<0.1100	<0.1200	<0.1200	<0.1200
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.2000	<0.6200	<0.5700	<0.5800	<0.6000	<0.6000
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
3-Nitroaniline	MG/KG					<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790

Summary of Analytical Results - AOC F, SWMUs 53, 115 and 147 - Comparison to SLs
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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-3	SWMU115-2	SWMU115-3	SWMU115-3	SWMU53-1	SWMU53-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7651348	28648384	28648382	28648385	28688810	28688811
					Sample Name	BEL-S-HP-3(4.5-6)	BEL-S-SWMU115-2(22-23)	BEL-S-SWMU115-3(0.5-1)	BEL-S-SWMU115-3(7-8)	BEL-S-SWMU53-1(0.5-1)	BEL-S-SWMU53-1(16-17)
					Date Sampled	09/28/2000	12/05/2012	12/05/2012	12/05/2012	12/06/2012	12/06/2012
					Start Depth - End Depth	4.5 - 6	22 - 23	0.5 - 1	7 - 8	0.5 - 1	16 - 17
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Native Soil	Fill	Native Soil
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2000	<0.2100	<0.1900	<0.1900	<0.2000	<0.2000
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2000 UL	<0.2100	<0.1900	<0.1900	<0.2000	<0.2000
4-Bromophenyl Phenyl Ether	MG/KG					<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
4-Chloroaniline	MG/KG		3.20E-03			<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0390	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
4-Nitroaniline	MG/KG		3.20E-02			<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
4-Nitrophenol	MG/KG					<0.2000	<0.2100	<0.1900	<0.1900	<0.2000	<0.2000
4-Nitroquinoline-N-Oxide	MG/KG					<0.3900	<0.4100	<0.3800	<0.3900	<0.4000	<0.4000
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2000 UL	<0.2100	<0.1900	<0.1900	<0.2000	<0.2000
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0390	<0.0040	<0.0040	**0.0040 J**	<0.0040	**0.0910**
Acenaphthylene	MG/KG			3.10E-01		**0.0540 J**	<0.0040	**0.0040 J**	**0.0050 J**	**0.0060 J**	**0.0530**
Acetophenone	MG/KG		1.16E+01			<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	**0.0310 J**
Aniline	MG/KG		9.20E-02			<0.0780	<0.2100	<0.1900	<0.1900	<0.2000	<0.2000
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0390	<0.0040	**0.0060 J**	**0.0110 J**	**0.0120 J**	**0.4500**
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.0530 J**	<0.0040	**0.0140 J**	**0.0130 J**	**0.0430**	**0.3500**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.1300 J**	**0.0100 J**	**0.0220**	**0.0160 J**	**0.0680**	**0.3800**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.0820 J**	**0.0080 J**	**0.0170 J**	**0.0150 J**	**0.0350**	**0.2100**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**0.0520 J**	<0.0040	**0.0100 J**	**0.0060 J**	**0.0290**	**0.1700**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**0.0930 J**	<0.0040	**0.0150 J**	**0.0120 J**	**0.0430**	**0.3200**
Benzyl Alcohol	MG/KG		9.60E+00			<0.2000	<0.2100	<0.1900	<0.1900	<0.2000	<0.2000
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03			<0.0390					
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
Bis(2-Chloroisopropyl)Ether	MG/KG						<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
Chlorobenzilate	MG/KG		2.00E-02			<0.0780	<0.0410	<0.0380	<0.0390	<0.0400	<0.0400
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.0490 J**	**0.0100 J**	**0.0230**	**0.0220**	**0.0510**	**0.3400**
Diallate	MG/KG		1.56E-02			<0.0780	<0.0410	<0.0380	<0.0390	<0.0400	<0.0400
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0390	<0.0040	**0.0040 J**	**0.0040 J**	**0.0120 J**	**0.0440**
Dibenzofuran	MG/KG		3.00E+00			<0.0390	<0.0210	<0.0190	**0.0370 J**	**0.0220 J**	**0.5300**
Diethyl Phthalate	MG/KG		1.22E+02			<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
Dimethoate	MG/KG		1.80E-02			<0.1200	<0.2100 UL	<0.1900 UL	<0.1900 UL	<0.2000 UL	<0.2000 UL
Dimethyl Phthalate	MG/KG					<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
Dinoseb	MG/KG	1.24E+00	2.60E+00			<0.00440 R				<0.00960 UL	<0.00960 UJ
Ethyl Methanesulfonate	MG/KG					<0.0390	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
Famphur	MG/KG					<0.00780					
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.0980 J**	<0.0040	**0.0310**	**0.0210**	**0.0750**	**1.3000**
Fluorene	MG/KG		1.08E+02	8.50E-02		**0.1400 J**	<0.0040	**0.0050 J**	**0.0110 J**	**0.0050 J**	**0.8300**
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0390	<0.0040	**0.0090 J**	<0.0040	<0.0040	<0.0040
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-3	SWMU115-2	SWMU115-3	SWMU115-3	SWMU53-1	SWMU53-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7651348	28648384	28648382	28648385	28688810	28688811
					Sample Name	BEL-S-HP-3(4.5-6)	BEL-S-SWMU115-2(22-23)	BEL-S-SWMU115-3(0.5-1)	BEL-S-SWMU115-3(7-8)	BEL-S-SWMU53-1(0.5-1)	BEL-S-SWMU53-1(16-17)
					Date Sampled	09/28/2000	12/05/2012	12/05/2012	12/05/2012	12/06/2012	12/06/2012
					Start Depth - End Depth	4.5 - 6	22 - 23	0.5 - 1	7 - 8	0.5 - 1	16 - 17
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Native Soil	Fill	Native Soil
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2000	<0.2100	<0.1900	<0.1900	<0.2000	<0.2000
Hexachloroethane	MG/KG		4.00E-03			<0.0390	<0.0410	<0.0380	<0.0390	<0.0400	<0.0400
Hexachlorophene	MG/KG		1.60E+02			<0.0020 UL					
Hexachloropropylene	MG/KG					<0.0780	<0.1200	<0.1100	<0.1200	<0.1200	<0.1200
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**0.0860 J**	<0.0040	**0.0090 J**	**0.0040 J**	**0.0270**	**0.1700**
Isodrin	MG/KG					<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
Isophorone	MG/KG		5.20E-01			<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
Isosafrole	MG/KG					<0.0390	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
Kepone	MG/KG		2.40E-03			<0.000780					
Methapyrilene	MG/KG					<0.0390	<2.1000	<1.9000	<1.9000	<2.0000	<2.0000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0390	<0.0410	<0.0380	<0.0390	<0.0400	<0.0400
Naphthalene	MG/KG		1.08E-02	1.20E+00		<0.0390	**0.0050 J**	**0.0600**	**0.1400**	**0.0280**	**3.4000**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
Nitrobenzene	MG/KG		1.84E-03			<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0390	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
O,O,O-Triethylphosphorothioate	MG/KG					<0.1200	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
O-Toluidine	MG/KG					<0.0780	<0.2500	<0.2300	<0.2300	<0.2400	<0.2400
para-Phenylenediamine	MG/KG		2.00E+01			<2.3000 UL	<15.0000	<13.0000	<14.0000	<14.0000	<14.0000
Parathion	MG/KG		8.60E+00			<0.00780					
Pentachlorobenzene	MG/KG		4.80E-01			<0.0390	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0390	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.2000	<0.0410	<0.0380	<0.0390	<0.0400	<0.0400
Phenacetin	MG/KG		1.94E-01			<0.0390	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
Phenanthrene	MG/KG			8.70E-01		**0.0470 J**	**0.0140 J**	**0.0500**	**0.0870**	**0.1000**	**1.9000**
Phenol	MG/KG		6.60E+01			<0.0780	<0.0210	<0.0190	<0.0190	<0.0200	<0.0200
Pronamide	MG/KG		2.40E+01			<0.2000	<0.0410	<0.0380	<0.0390	<0.0400	<0.0400
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.0970 J**	<0.0040	**0.0320**	**0.0270**	**0.0660**	**1.0000**
Pyridine	MG/KG		1.36E-01			<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
Safrole	MG/KG		1.18E-03			<0.0390	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
Silvex	MG/KG	5.60E-01	1.22E+00			<0.000390				<0.000900	<0.00180 UJ
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
Thionazin	MG/KG					<0.0780	<0.0830	<0.0770	<0.0780	<0.0800	<0.0790
Inorganics											
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		<2.5	<0.0789	**0.0957 J**	<0.0764	**1.72**	**0.236 J**
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**6.4**	**2.98**	**5.51**	**2.77**	**13.6**	**6.78**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**134**	**110**	**590**	**95.1**	**101**	**98.4**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**0.93**	**0.846**	**0.899**	**0.728**	**0.483 J**	**0.804**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		**0.40 J**	<0.0395	<0.0364	<0.0382	<0.0393	<0.0392

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-3	SWMU115-2	SWMU115-3	SWMU115-3	SWMU53-1	SWMU53-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7651348	28648384	28648382	28648385	28688810	28688811
					Sample Name	BEL-S-HP-3(4.5-6)	BEL-S-SWMU115-2(22-23)	BEL-S-SWMU115-3(0.5-1)	BEL-S-SWMU115-3(7-8)	BEL-S-SWMU53-1(0.5-1)	BEL-S-SWMU53-1(16-17)
					Date Sampled	09/28/2000	12/05/2012	12/05/2012	12/05/2012	12/06/2012	12/06/2012
					Start Depth - End Depth	4.5 - 6	22 - 23	0.5 - 1	7 - 8	0.5 - 1	16 - 17
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Native Soil	Fill	Native Soil
Chromium	MG/KG	3.60E+06		4.40E+01		**19.4**	**19.4 K**	**16.6 K**	**13.2 K**	**51.2 K**	**18.4 K**
Cobalt	MG/KG		5.40E+00	2.23E+01		**9.2**	**11.0**	**7.66**	**7.34**	**3.42**	**5.15**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**79.5**	**14.5 K**	**21.8 K**	**8.65 K**	**820 K**	**31.9 K**
Lead	MG/KG	2.80E+02		1.06E+02		**25.0**	**13.0**	**21.2**	**10.6**	**101**	**24.8**
Mercury	MG/KG	2.00E+00		4.14E+00		**0.88**	**0.0236 J**	**0.0643 J**	**0.0211 J**	**6.72**	**0.0235 J**
Nickel	MG/KG		5.20E+02	2.59E+01		**19.7**	**21.0**	**18.3**	**14.3**	**12.4**	**19.8**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.63 J**	**0.547**	**0.152 J**	**0.170 J**	**1.05**	**0.596**
Silver	MG/KG		1.60E+01			<0.36	<0.167	<0.155	<0.162	**0.573 J**	<0.166
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		<0.54	**0.163**	**0.142**	**0.111 J**	**0.270**	**0.295**
Tin	MG/KG		6.00E+04			<4.2	**2.65 B**	**2.59 B**	**2.49 B**	**3.52 B**	**2.73 B**
Vanadium	MG/KG		1.72E+03	6.74E+01		**19.1**	**28.7**	**21.5**	**17.2**	**7.40**	**24.0**
Zinc	MG/KG		7.40E+03	1.33E+02		**60.4**	**63.1**	**57.5**	**43.0**	**33.5**	**56.4**
Miscellaneous											
Cyanide	MG/KG	4.00E+01	3.00E-01			<0.2100					
Percent Moisture	%						**19.6**	**12.9**	**14.5**	**17.6**	**17.4**
Percent Moisture	% BY WT.					**14.5**					
Sulfide	MG/KG					<4.7					

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-70	HP-70	MDA-1	MDA-3	MDA-4	MDA-5	MDA-5	MDA-HP-1	MDA-HP-1	MDA-HP-2	MDA-HP-2	MDA-HP-3
			Federal MCL	EPA SL Tap Water	Field Sample ID	7645603	7645843	GW1113-MDA-1	GW1113-MDA-3	GW1113-MDA-4	GW1113-MDA-5	GW1113-MDA-5-D	9441258	9441271	9441414	9441427	9441700
					Sample Name	BEL-G-HP-70	BEL-G-HP-70-DIS						BEL-G-MDA-HP-1-DIS	BEL-G-MDA-HP-1	BEL-G-MDA-HP-2-DIS	BEL-G-MDA-HP-2	BEL-G-MDA-HP-3-DIS
					Date Sampled	09/27/2000	09/27/2000	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002
					Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS
Volatile Organic Compounds																	
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<1		<1	<1	<1	<1	<1					
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<1		<0.8	<0.8	<0.8	<0.8	<0.8		<0.8		<0.8	
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<1		<1	<1	<1	<1	<1		<1		<1	
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<1		<0.8	<0.8	<0.8	<0.8	<0.8		<0.8		<0.8	
1,1-Dichloroethane	N	UG/L		2.70E+00		<1		<1	<1	<1	<1	<1		<1		<1	
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<1		<0.8	<0.8	<0.8	<0.8	<0.8		<0.8		<0.8	
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<1		<1	<1	<1	<1	<1					
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<2		<2	<2	<2	<2	<2					
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<1		<1	<1	<1	<1	<1					
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01		<1		<1	<1	<1	<1	<1		<1		<1	
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<1		<1	<1	<1	<1	<1		<1		<1	
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<1		<1	<1	<1	<1	<1		<1		<1	
1,3-Dichlorobenzene	N	UG/L				<1		<1	<1	<1	<1	<1		<1		<1	
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01		<1		<1	<1	<1	<1	<1		<1		<1	
2-Chloroethyl Vinyl Ether	N	UG/L												<2		<2 R	
2-Hexanone	N	UG/L		3.80E+00		<3		<3	<3	<3	<3	<3					
2-Propanol	N	UG/L		4.10E+01													
Acetone	N	UG/L		1.40E+03		**17 J**		<6	<6	<6	<6	<6		**7 J**		**7 J**	
Acetonitrile	N	UG/L		1.30E+01		<25 R		<25	<25	<25	<25	<25					
Acrolein	N	UG/L		4.20E-03		<40		<40	<40 UL	<40 UL	<40 UL	<40 UL					
Acrylonitrile	N	UG/L		5.20E-02		<4		<4	<4	<4	<4	<4					
Allyl Chloride	N	UG/L		2.10E-01		<1 UL		<1	<1	<1	<1	<1					
Benzene	N	UG/L	5.00E+00	4.50E-01		**260**		**0.5 J**	<0.5	**0.6 J**	**0.6 J**	<0.5		<0.5		<0.5	
Bromodichloromethane	N	UG/L		1.30E-01		<1		<1	<1	<1	<1	<1		<1		<1	
Bromoform	N	UG/L		3.30E+00		<1		<1	<1	<1	<1	<1		<1		<1	
Carbon Disulfide	N	UG/L		8.10E+01		<1		<1	<1	<1	<1	<1					
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<1		<1	**100**	**4 J**	**3 J**	**3 J**		<1		<1	
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		<1		<0.8	<0.8	<0.8	<0.8	<0.8		<0.8		<0.8	
Chlorodibromomethane	N	UG/L		1.70E-01		<1		<1	<1	<1	<1	<1		<1		<1	
Chloroform	N	UG/L		2.20E-01		<1		<0.8	**77**	**3 J**	**2 J**	**2 J**		<0.8		<0.8	
Chloroprene	N	UG/L		1.90E-02		<1		<1	<1	<1	<1	<1					
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<1		<0.8	<0.8	<0.8	<0.8	<0.8		<0.8		<0.8	
cis-1,3-Dichloropropene	N	UG/L				<1		<1	<1	<1	<1	<1		<1		<1	
Dichlorodifluoromethane	N	UG/L		2.00E+01		<2		<2	<2	<2	<2	<2					
Ethyl Chloride	N	UG/L		2.10E+03		<2		<1	<1	<1	<1	<1		<1		<1	
Ethyl Methacrylate	N	UG/L		4.60E+01		<1		<1	<1	<1	<1	<1					
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<1		<0.8	<0.8	<0.8	<0.8	<0.8		<0.8		<0.8	
Formaldehyde	N	UG/L		4.30E-01													
Iodomethane	N	UG/L				<1		<1	<1	<1	<1	<1					
Isobutyl Alcohol	N	UG/L		5.90E+02		<100 R		<100	<100	<100	<100	<100					
Methacrylonitrile	N	UG/L		1.90E-01		<10		<10	<10	<10	<10	<10					
Methane	N	UG/L															
Methyl Bromide	N	UG/L		7.50E-01		<2		<1	<1 UL	<1 UL	<1 UL	<1 UL		<1		<1	
Methyl Chloride	N	UG/L		1.90E+01		<2		<1	<1	<1	<1	<1		<1		<1	
Methyl Ethyl Ketone	N	UG/L		5.60E+02		**16**		<3	<3	<3	<3	<3		**6 J**		**4 J**	
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<3		<3	<3	<3	<3	<3					
Methyl Methacrylate	N	UG/L		1.40E+02		<1		<1	<1	<1	<1	<1					
Methylene Bromide	N	UG/L		8.00E-01		<1		<1	<1	<1	<1	<1					
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2		<2	<2	<2	<2	<2		<2		<2	
Pentachloroethane	N	UG/L		6.40E-01		<1		<1	<1	<1	<1	<1					
Propionitrile	N	UG/L				<30 R		<30	<30	<30	<30	<30					
Styrene	N	UG/L	1.00E+02	1.20E+02		<1		<1	<1	<1	<1	<1					
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<1		<0.8	<0.8	<0.8	<0.8	<0.8		<0.8		<0.8	

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-70	HP-70	MDA-1	MDA-3	MDA-4	MDA-5	MDA-5	MDA-HP-1	MDA-HP-1	MDA-HP-2	MDA-HP-2	MDA-HP-3
			Federal MCL	EPA SL Tap Water	Field Sample ID	7645603	7645843	GW1113-MDA-1	GW1113-MDA-3	GW1113-MDA-4	GW1113-MDA-5	GW1113-MDA-5-D	9441258	9441271	9441414	9441427	9441700
					Sample Name	BEL-G-HP-70	BEL-G-HP-70-DIS						BEL-G-MDA-HP-1-DIS	BEL-G-MDA-HP-1	BEL-G-MDA-HP-2-DIS	BEL-G-MDA-HP-2	BEL-G-MDA-HP-3-DIS
					Date Sampled	09/27/2000	09/27/2000	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002
					Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS
Toluene	N	UG/L	1.00E+03	1.10E+02		<1		<0.7	<0.7	<0.7	<0.7	<0.7		<0.7		<0.7	
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<1		<0.8	<0.8	<0.8	<0.8	<0.8		<0.8		<0.8	
trans-1,3-Dichloropropene	N	UG/L				<1		<1	<1	<1	<1	<1		<1		<1	
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<15		<15	<15	<15	<15 UL	<15					
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<1		<1	<1	<1	<1	<1		<1		<1	
Trichlorofluoromethane	N	UG/L		1.10E+02		<2 UL		<2	<2	<2	<2	<2					
Vinyl Acetate	N	UG/L		4.10E+01		<2 UL		<2	<2	<2	<2	<2					
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<1		<1	<1	<1	<1	<1		<1		<1	
Xylenes	N	UG/L	1.00E+04	1.90E+01		<1		<0.8	<0.8	<0.8	<0.8	<0.8		<0.8		<0.8	
Semi-Volatile Organic Compounds																	
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01		<1		<0.6	<3	<0.5	<3	<3					
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01		<1		<0.6	<3	<0.5	<3	<3		<1		<1	
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01		<3		<6	<26	<5	<27	<26					
1,3-Dinitrobenzene	N	UG/L		2.00E-01		<1		<2	<10	<2	<11	<10					
1,4-Dioxane	N	UG/L		4.60E-01		<70 R		<1	<5	<1	<5	<5		<1		<1	
1,4-Naphthoquinone	N	UG/L				<10 R		<11 R	<52 R	<10 R	<54 R	<51 R					
1-Naphthylamine	N	UG/L				<2		<6	<26	<5	<27	<26					
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01		<3		<0.6	<3	<0.5	<3	<3					
2,4,5-Trichlorophenol	N	UG/L		1.20E+02		<2		<0.6	<3	<0.5	<3	<3		<1		<1	
2,4,6-Trichlorophenol	N	UG/L		1.20E+00		<2		<0.6	<3	<0.5	<3	<3		<1		<1	
2,4-Dichlorophenol	N	UG/L		4.60E+00		<1		<0.6	<3	<0.5	<3	<3		<1		<1	
2,4-Dimethylphenol	N	UG/L		3.60E+01		<1		<0.6	<3	<0.5	<3	<3		<1		<1	
2,4-Dinitrophenol	N	UG/L		3.90E+00		<21		<11	<52	<10	<54	<51		<21		<20	
2,4-Dinitrotoluene	N	UG/L		2.40E-01		<1		<1	<5	<1	<5	<5		<1		<1	
2,6-Dichlorophenol	N	UG/L				<1		<0.6	<3	<0.5	<3	<3					
2,6-Dinitrotoluene	N	UG/L		4.80E-02		<2		<0.6	<3	<0.5	<3	<3		<1		<1	
2-Acetylaminofluorene	N	UG/L		1.60E-02		<2		<2	<10	<2	<11	<10					
2-Chloronaphthalene	N	UG/L		7.50E+01		<1		<0.5	<2	<0.4	<2	<2		<1		<1	
2-Chlorophenol	N	UG/L		9.10E+00		<1		<0.6	<3	<0.5	<3	<3		<1		<1	
2-Methylnaphthalene	N	UG/L		3.60E+00		<1		**0.6**	**0.9 J**	**0.1 J**	**0.8 J**	**1 J**		<1		<1	
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01		<1		<0.6	<3	<0.5	<3	<3		<1		<1	
2-Naphthylamine	N	UG/L		3.90E-02		<2		<6	<26	<5	<27	<26					
2-Nitroaniline	N	UG/L		1.90E+01		<2		<0.6	<3	<0.5	<3	<3		<1		<1	
2-Nitrophenol	N	UG/L				<1		<0.6	<3	<0.5	<3	<3		<1		<1	
2-Picoline	N	UG/L				<2		<2	<10	<2	<11	<10		<2		<2	
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01		<2		<2	<10	<2	<11	<10		<1		<1	
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03		<5 UL		<28 UL	<130 UL	<25 UL	<140 R	<130 UL					
3-Methylcholanthrene	N	UG/L		1.10E-03		<2		<0.6	<3	<0.5	<3	<3					
3-Nitroaniline	N	UG/L				<2		<0.6	<3	<0.5	<3	<3		<1		<1	
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01		<5		<6	<26	<5	<27	<26		<5		<5	
4-Aminobiphenyl	N	UG/L		3.00E-03		<2 UL		<0.6	<3	<0.5	<3	<3					
4-Bromophenyl Phenyl Ether	N	UG/L				<2		<0.6	<3	<0.5	<3	<3		<1		<1	
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02		<1		<0.6	<3	<0.5	<3	<3		<1		<1	
4-Chloroaniline	N	UG/L		3.60E-01		<1		<0.6	<3	<0.5	<3	<3		<1		<1	
4-Chlorophenyl Phenyl Ether	N	UG/L				<1		<0.6	<3	<0.5	<3	<3		<1		<1	
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03		<2		<0.6	<3	<0.5	<3	<3					
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02		<3		**1**	<3	<0.5	<3	<3		<2		<2	
4-Nitroaniline	N	UG/L		3.80E+00		<2		<0.6	<3	<0.5	<3	<3		<1		<1	
4-Nitrophenol	N	UG/L				<10 UL		<11	<52	<10	<54 R	<51		<10		<10	
4-Nitroquinoline-N-Oxide	N	UG/L				<21 R		<23	<100	<20	<110	<100					
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00		<2		<0.6	<3	<0.5	<3	<3					
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04		<2		<0.6	<3	<0.5	<3	<3					
Acenaphthene	N	UG/L		5.30E+01		<1		**0.4 J**	<0.5	<0.1	<0.5	<0.5		<1		<1	
Acenaphthylene	N	UG/L		5.30E+01		<1		**0.5 J**	<0.5	<0.1	<0.5	<0.5		<1		<1	

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-70	HP-70	MDA-1	MDA-3	MDA-4	MDA-5	MDA-5	MDA-HP-1	MDA-HP-1	MDA-HP-2	MDA-HP-2	MDA-HP-3
			Federal MCL	EPA SL Tap Water	Field Sample ID	7645603	7645843	GW1113-MDA-1	GW1113-MDA-3	GW1113-MDA-4	GW1113-MDA-5	GW1113-MDA-5-D	9441258	9441271	9441414	9441427	9441700
					Sample Name	BEL-G-HP-70	BEL-G-HP-70-DIS						BEL-G-MDA-HP-1-DIS	BEL-G-MDA-HP-1	BEL-G-MDA-HP-2-DIS	BEL-G-MDA-HP-2	BEL-G-MDA-HP-3-DIS
					Date Sampled	09/27/2000	09/27/2000	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002
					Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS
Acetophenone	N	UG/L		1.90E+02		<1		<0.6	<3	<0.5	<3	<3		<2		**5 J**	
Aniline	N	UG/L		1.30E+01		**410**		<0.6	<3	**2**	<3	<3		<1		<1	
Anthracene	N	UG/L		1.80E+02		<1		**0.4 J**	<0.5	<0.1	<0.5	<0.5		<1		<1	
Benzo(A)Anthracene	N	UG/L		1.20E-02		<1		**2**	**1 J**	**0.3 J**	<0.5	**0.8 J**		<1		<1	
Benzo(B)Fluoranthene	N	UG/L		3.40E-02		<1		**2**	**2 J**	**0.5**	**0.6 J**	**0.8 J**		<1		<1	
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01		<1		**1**	**1 J**	**0.3 J**	<0.5	**0.6 J**		<1		<1	
Benzo(K)Fluoranthene	N	UG/L		3.40E-01		<1		**0.9**	**0.9 J**	**0.2 J**	<0.5	<0.5		<1		<1	
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03		<1		**2**	**2 J**	**0.4 J**	<0.5	**0.8 J**		<1		<1	
Benzyl Alcohol	N	UG/L		2.00E+02		<5		<6	<26	<5	<27	<26					
Bis(2-Chloro-1-Methylethyl) Ether	N	UG/L		3.60E-01		<1								<1		<1	
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00		<1		<0.6	<3	<0.5	<3	<3		<1		<1	
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02		<1		<0.6	<3	<0.5	<3	<3		<1		<1	
Bis(2-Chloroisopropyl)Ether	N	UG/L						<0.6	<3	<0.5	<3	<3					
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00		<2		<2	<10	<2	<11	<10		<2		<2	
Butyl Benzyl Phthalate	N	UG/L		1.60E+01		<2		<2	<10	<2	<11	<10		<2		<2	
Carbazole	N	UG/L												<1		<1	
Chlorobenzilate	N	UG/L		3.10E-01		<3		<3	<16	<3	<16	<15					
Chrysene	N	UG/L		3.40E+00		<1		**2**	**2 J**	**0.3 J**	**0.6 J**	**0.9 J**		<1		<1	
Diallate	N	UG/L		5.20E-01		<1		<1	<5	<1	<5	<5					
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03		<1		**0.3 J**	<0.5	<0.1	<0.5	<0.5		<1		<1	
Dibenzofuran	N	UG/L		7.90E-01		<1		<0.6	<3	<0.5	<3	<3		<1		<1	
Diethyl Phthalate	N	UG/L		1.50E+03		<2		<2	<10	<2	<11	<10		<2		<2	
Dimethoate	N	UG/L		4.00E-01		<3 UL		<3	<16	<3	<16	<15					
Dimethyl Phthalate	N	UG/L				<2		<2	<10	<2	<11	<10		<2		<2	
Di-N-Butyl Phthalate	N	UG/L		9.00E+01		<2		<2	<10	<2	<11	<10		<2		<2	
Ethyl Methanesulfonate	N	UG/L				<1		<0.6	<3	<0.5	<3	<3					
Famphur	N	UG/L				<0.20											
Fluoranthene	N	UG/L		8.00E+01		<1		**2**	**2 J**	**0.4 J**	**0.6 J**	**0.8 J**		<1		<1	
Fluorene	N	UG/L		2.90E+01		<1		**0.2 J**	<0.5	<0.1	<0.5	<0.5		<1		<1	
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03		<2		<0.1	<0.5	<0.1	<0.5	<0.5		<1		<1	
Hexachlorobutadiene	N	UG/L		1.40E-01		<2		<0.6	<3	<0.5	<3	<3		<1		<1	
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02		<5		<6	<26	<5	<27	<26		<5		<5	
Hexachloroethane	N	UG/L		3.30E-01		<1		<1	<5	<1	<5	<5		<1		<1	
Hexachlorophene	N	UG/L		6.00E-01		<0.02 UL											
Hexachloropropylene	N	UG/L				<2		<2	<10	<2	<11	<10					
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02		<1		**1**	**1 J**	**0.2 J**	<0.5	**0.5 J**		<1		<1	
Isodrin	N	UG/L				<5		<0.6	<3	<0.5	<3	<3					
Isophorone	N	UG/L		7.80E+01		<1		<0.6	<3	<0.5	<3	<3		<1		<1	
Isosafrole	N	UG/L				<1		<2	<10	<2	<11	<10					
Kepone	N	UG/L		3.50E-03		<0.90											
Methapyrilene	N	UG/L				<2		<17	<78	<15	<81	<77					
Methyl Methanesulfonate	N	UG/L		7.90E-01		<1		<1	<5	<1	<5	<5					
Naphthalene	N	UG/L		1.70E-01		<1		**5**	**1 J**	**0.2 J**	**0.7 J**	**1 J**		**2 J**		<1	
N-Dioctyl Phthalate	N	UG/L		2.00E+01		<2		<2	<10	<2	<11	<10		<2		<2	
Nitrobenzene	N	UG/L		1.40E-01		<1		<0.6	<3	<0.5	<3	<3		<1		<1	
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04		<2		<2	<10	<2	<11	<10					
N-Nitrosodiethylamine	N	UG/L		1.70E-04		<1		<0.6	<3	<0.5	<3	<3					
N-Nitrosodimethylamine	N	UG/L		1.10E-04		<2		<2	<10	<2	<11	<10					
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03		<1		<2	<10	<2	<11	<10					
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02		<1		<0.6	<3	<0.5	<3	<3		<1		<1	
N-Nitrosodiphenylamine	N	UG/L		1.20E+01		<1		<0.6	<3	<0.5	<3	<3		<2		<2	
N-Nitrosomorpholine	N	UG/L		1.20E-02		<1		<2	<10	<2	<11	<10					
N-Nitrosopiperidine	N	UG/L		8.20E-03		<1		<0.6	<3	<0.5	<3	<3					
N-Nitrosopyrrolidine	N	UG/L		3.70E-02		<2		<0.6	<3	<0.5	<3	<3					

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			Federal MCL	EPA SL Tap Water	Field Sample ID	7645603	7645843	GW1113-MDA-1	GW1113-MDA-3	GW1113-MDA-4	GW1113-MDA-5	GW1113-MDA-5-D	9441258	9441271	9441414	9441427	9441700
					Sample Name	BEL-G-HP-70	BEL-G-HP-70-DIS						BEL-G-MDA-HP-1-DIS	BEL-G-MDA-HP-1	BEL-G-MDA-HP-2-DIS	BEL-G-MDA-HP-2	BEL-G-MDA-HP-3-DIS
					Date Sampled	09/27/2000	09/27/2000	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002
					Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS
O,O,O-Triethylphosphorothioate	N	UG/L				<2		<2	<10	<2	<11	<10					
O-Toluidine	N	UG/L				**4 J**		<0.6	<3	<0.5	<3	<3					
para-Phenylenediamine	N	UG/L		3.80E+02		<62 R		<84	<390	<76	<410	<380					
Parathion	N	UG/L		8.60E+00		<0.20											
Pentachlorobenzene	N	UG/L		3.20E-01		<1		<0.6	<3	<0.5	<3	<3					
Pentachloronitrobenzene	N	UG/L		1.20E-01		<2		<2	<10	<2	<11	<10					
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02		<3		<1	<5	<1	<5 UL	<5		<3		<3	
Phenacetin	N	UG/L		3.40E+01		<1		<0.6	<3	<0.5	<3	<3					
Phenanthrene	N	UG/L		1.80E+02		<1		**1**	**1 J**	**0.2 J**	**0.8 J**	**1 J**		**2 J**		<1	
Phenol	N	UG/L		5.80E+02		**3 J**		**0.6 J**	<3	<0.5	<3	<3		<1 UL		<1 UL	
Pronamide	N	UG/L		1.20E+02		<2		<0.6	<3	<0.5	<3	<3					
Pyrene	N	UG/L		1.20E+01		<1		**2**	**2 J**	**0.4 J**	**0.6 J**	**0.7 J**		<1		<1	
Pyridine	N	UG/L		2.00E+00		<2		<2	<10	<2	<11	<10		<2		<2	
Safrole	N	UG/L		9.50E-02		<1		<2	<10	<2	<11	<10					
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01		<1		<1	<5	<1	<5	<5					
Thionazin	N	UG/L				<3		<2	<10	<2	<11	<10					
Tentatively Identified Compounds																	
Diisopropyl Ether	N	UG/L															
Unknown	N	UG/L															
Unknown	N	UG/L															
Unknown	N	UG/L															
Unknown	N	UG/L															
Unknown	N	UG/L															
Unknown	N	UG/L															
Unknown	N	UG/L															
Unknown	N	UG/L															
Unknown	N	UG/L															
Unknown	N	UG/L															
Unknown	N	UG/L															
Unknown	N	UG/L															
Unknown	N	UG/L															
Unknown	N	UG/L															
Unknown	N	UG/L															
Pesticides and PCBs																	
4,4'-DDD	N	UG/L		3.10E-02		<0.078											
4,4'-DDE	N	UG/L		4.60E-02		<0.078											
4,4'-DDT	N	UG/L		2.30E-01		<0.078											
Aldrin	N	UG/L		9.20E-04		**0.064 J**											
Alpha-BHC	N	UG/L		7.10E-03		**0.072 J**											
beta-BHC	N	UG/L		2.50E-02		<0.039											
Chlordane	N	UG/L	2.00E+00			<1.0											
delta-BHC	N	UG/L				**0.11 J**											
Dieldrin	N	UG/L		1.70E-03		<0.078											
Disulfoton	N	UG/L		5.00E-02		**1.02 J**											
Endosulfan I	N	UG/L		1.00E+01		<0.039											
Endosulfan II	N	UG/L		1.00E+01		<0.078											
Endosulfan Sulfate	N	UG/L		1.00E+01		<0.078											
Endrin	N	UG/L	2.00E+00	2.30E-01		**0.088 J**											
Endrin Aldehyde	N	UG/L		2.30E-01		<0.078											
Heptachlor	N	UG/L	4.00E-01	1.40E-03		<0.039											
Heptachlor Epoxide	N	UG/L	2.00E-01	1.40E-03		<0.039											
Lindane	N	UG/L	2.00E-01	4.10E-02		**0.058 J**											
Methoxychlor	N	UG/L	4.00E+01	3.70E+00		<0.39											
Methyl Parathion	N	UG/L		4.50E-01		<0.20											
Phorate	N	UG/L		3.00E-01		<0.20											

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			Federal MCL	EPA SL Tap Water	Field Sample ID	7645603	7645843	GW1113-MDA-1	GW1113-MDA-3	GW1113-MDA-4	GW1113-MDA-5	GW1113-MDA-5-D	9441258	9441271	9441414	9441427	9441700
					Sample Name	BEL-G-HP-70	BEL-G-HP-70-DIS						BEL-G-MDA-HP-1-DIS	BEL-G-MDA-HP-1	BEL-G-MDA-HP-2-DIS	BEL-G-MDA-HP-2	BEL-G-MDA-HP-3-DIS
					Date Sampled	09/27/2000	09/27/2000	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002
					Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS
Toxaphene	N	UG/L	3.00E+00	1.50E-02		<5.9											
PCB 1016	N	UG/L		1.40E-01		<2.0											
PCB 1221	N	UG/L		4.60E-03		<2.0											
PCB 1232	N	UG/L		4.60E-03		<2.0											
PCB 1242	N	UG/L		7.80E-03		<2.0											
PCB 1248	N	UG/L		7.80E-03		<2.0											
PCB 1254	N	UG/L		7.80E-03		<2.0											
PCB 1260	N	UG/L		7.80E-03		<2.0											
2,4,5-T	N	UG/L		1.60E+01		**0.043 J**											
2,4-Dichlorophenoxyacetic Acid	N	UG/L	7.00E+01	1.70E+01		**1.27 J**											
Dinoseb	N	UG/L	7.00E+00	1.50E+00		<0.050 UL											
Silvex	N	UG/L	5.00E+01	1.10E+01		<0.010											
Inorganics																	
Antimony	N	UG/L	6.00E+00	7.80E-01		<0.76 UL											
Antimony	Y	UG/L	6.00E+00	7.80E-01			<0.76 UL										
Arsenic	N	UG/L	1.00E+01	5.20E-02		**9.7 J**								<4.9		<4.9	
Arsenic	Y	UG/L	1.00E+01	5.20E-02			**10.5**						<4.9		**5.8 J**		**6.1 J**
Barium	N	UG/L	2.00E+03	3.80E+02		**218**								**50.6**		**97.4**	
Barium	Y	UG/L	2.00E+03	3.80E+02			**73.8 J**						**38.7**		**96.2**		**105**
Beryllium	N	UG/L	4.00E+00	2.50E+00		<1.9											
Beryllium	Y	UG/L	4.00E+00	2.50E+00			<1.9										
Cadmium	N	UG/L	5.00E+00	9.20E-01		<3.6								<0.94		<0.94	
Cadmium	Y	UG/L	5.00E+00	9.20E-01			<3.6						<0.94		<0.94		<0.94
Chromium	N	UG/L	1.00E+02	2.20E+03		**54.8**								**5.3**		**7**	
Chromium	Y	UG/L	1.00E+02	2.20E+03			**26.0 J**						**2.7 B**		<2.0		<2.0
Cobalt	N	UG/L		6.00E-01		**10.1 J**											
Cobalt	Y	UG/L		6.00E-01			**7.4 J**										
Copper	N	UG/L	1.30E+03	8.00E+01		**293**											
Copper	Y	UG/L	1.30E+03	8.00E+01			**72.4**										
Iron	N	UG/L		1.40E+03										**2640**		**1210**	

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-70	HP-70	MDA-1	MDA-3	MDA-4	MDA-5	MDA-5	MDA-HP-1	MDA-HP-1	MDA-HP-2	MDA-HP-2	MDA-HP-3
			Federal MCL	EPA SL Tap Water	Field Sample ID	7645603	7645843	GW1113-MDA-1	GW1113-MDA-3	GW1113-MDA-4	GW1113-MDA-5	GW1113-MDA-5-D	9441258	9441271	9441414	9441427	9441700
					Sample Name	BEL-G-HP-70	BEL-G-HP-70-DIS						BEL-G-MDA-HP-1-DIS	BEL-G-MDA-HP-1	BEL-G-MDA-HP-2-DIS	BEL-G-MDA-HP-2	BEL-G-MDA-HP-3-DIS
					Date Sampled	09/27/2000	09/27/2000	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/18/2013	12/12/2002	12/12/2002	12/12/2002	12/12/2002	12/12/2002
					Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS
Iron	Y	UG/L		1.40E+03									**77.6 J**		**592**		**576**
Lead	N	UG/L	1.50E+01	1.50E+01		**38**								<8.9		**9.2 J**	
Lead	Y	UG/L	1.50E+01	1.50E+01			**8**						<8.9		<8.9		<8.9
Manganese	N	UG/L		4.30E+01										**320**		**492**	
Manganese	Y	UG/L		4.30E+01									**294**		**488**		**630**
Mercury	N	UG/L	2.00E+00	6.30E-02		**2.1**								<0.079		<0.079	
Mercury	Y	UG/L	2.00E+00	6.30E-02			**0.83**						<0.079		<0.079		<0.079
Nickel	N	UG/L		3.90E+01		**34.6 J**											
Nickel	Y	UG/L		3.90E+01			**16.5 J**										
Selenium	N	UG/L	5.00E+01	1.00E+01		**3.4 B**								<4.8		<4.8	
Selenium	Y	UG/L	5.00E+01	1.00E+01			<1.3						<4.8		**5.2 J**		<4.8
Silver	N	UG/L		9.40E+00		<3.6								<1.4		<1.4	
Silver	Y	UG/L		9.40E+00			<3.6						**1.6 J**		**1.5 J**		<1.4
Thallium	N	UG/L	2.00E+00	2.00E-02		**4.0 J**											
Thallium	Y	UG/L	2.00E+00	2.00E-02			<0.20										
Tin	N	UG/L		1.20E+03		<15.0											
Tin	Y	UG/L		1.20E+03			<15.0										
Vanadium	N	UG/L		8.60E+00		**19.4 J**											
Vanadium	Y	UG/L		8.60E+00			**18.5 J**										
Zinc	N	UG/L		6.00E+02		**99**											
Zinc	Y	UG/L		6.00E+02			**25.0 B**										
Miscellaneous																	
Alkalinity, Bicarb. As CaCO3 At pH 4.5	N	UG/L												**534000**		**237000**	
Alkalinity, Carb.As CaCO3 At pH 8.3	N	UG/L												<410		<410	
Nitrate	N	UG/L	1.00E+04	3.20E+03										<400 UL		**4610 L**	
Nitrite	N	UG/L	1.00E+03	2.00E+02										<400		<400	
Total Kjeldahl Nitrogen	N	UG/L												**2100**		**2700**	
Total Organic Carbon	N	UG/L												**15400**		**5170**	
Ammonia	N	UG/L															
Chloride	N	UG/L												**174000**		**90300**	
Cyanide	N	UG/L	2.00E+02	1.50E-01		**193**											
Phosphorus	N	UG/L		4.00E-02										**4500**		**2180**	
Sulfate	N	UG/L												<1500		**29400**	
Sulfide	N	UG/L				**2400**								**13100**		<530	

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MDA-HP-3	MDA-HP-4	MDA-HP-4	MW-70-SO	MW-70-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	9441713	9441986	9441999	GWRFI-14-MW-70-SO	GWRFI-14-MW-70-SO-Z
					Sample Name	BEL-G-MDA-HP-3	BEL-G-MDA-HP-4-DIS	BEL-G-MDA-HP-4		
					Date Sampled	12/12/2002	12/13/2002	12/13/2002	11/19/2014	11/19/2014
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01					<0.5	
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<0.8		<0.8	<0.5	
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<1		<1	<0.5	
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<0.8		<0.8	<0.5	
1,1-Dichloroethane	N	UG/L		2.70E+00		<1		<1	<0.5	
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<0.8		<0.8	<0.5	
1,2,3-Trichloropropane	N	UG/L		7.50E-04					<1	
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04					<2	
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03					<0.5	
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01		<1		<1	<1	
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<1		<1	<0.5	
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<1		<1	<0.5	
1,3-Dichlorobenzene	N	UG/L				<1		<1	<1	
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01		<1		<1	<1	
2-Chloroethyl Vinyl Ether	N	UG/L				<2		<2		
2-Hexanone	N	UG/L		3.80E+00					<3	
2-Propanol	N	UG/L		4.10E+01						
Acetone	N	UG/L		1.40E+03		<6		**8 J**	<6	
Acetonitrile	N	UG/L		1.30E+01					<25	
Acrolein	N	UG/L		4.20E-03					<40	
Acrylonitrile	N	UG/L		5.20E-02					<4	
Allyl Chloride	N	UG/L		2.10E-01					<1	
Benzene	N	UG/L	5.00E+00	4.50E-01		<0.5		**3 J**	**8**	
Bromodichloromethane	N	UG/L		1.30E-01		<1		<1	<0.5	
Bromoform	N	UG/L		3.30E+00		<1		<1	<0.5	
Carbon Disulfide	N	UG/L		8.10E+01					<1	
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<1		<1	<0.5	
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		<0.8		<0.8	<0.5	
Chlorodibromomethane	N	UG/L		1.70E-01		<1		<1	<0.5	
Chloroform	N	UG/L		2.20E-01		<0.8		<0.8	<0.5	
Chloroprene	N	UG/L		1.90E-02					<1	
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<0.8		<0.8	<0.5	
cis-1,3-Dichloropropene	N	UG/L				<1		<1	<0.5	
Dichlorodifluoromethane	N	UG/L		2.00E+01					<0.5	
Ethyl Chloride	N	UG/L		2.10E+03		<1		<1	<0.5	
Ethyl Methacrylate	N	UG/L		4.60E+01					<1	
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<0.8		<0.8	<0.5	
Formaldehyde	N	UG/L		4.30E-01					**81 B**	
Iodomethane	N	UG/L							<0.5	
Isobutyl Alcohol	N	UG/L		5.90E+02					<100	
Methacrylonitrile	N	UG/L		1.90E-01					<10	
Methane	N	UG/L								
Methyl Bromide	N	UG/L		7.50E-01		<1		<1	<0.5	
Methyl Chloride	N	UG/L		1.90E+01		<1		<1	<0.5	
Methyl Ethyl Ketone	N	UG/L		5.60E+02		<3		**7 J**	<3	
Methyl Isobutyl Ketone	N	UG/L		1.20E+02					<3	
Methyl Methacrylate	N	UG/L		1.40E+02					<1	
Methylene Bromide	N	UG/L		8.00E-01					<0.5	
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2		<2	<2	
Pentachloroethane	N	UG/L		6.40E-01					<1	
Propionitrile	N	UG/L							<30	
Styrene	N	UG/L	1.00E+02	1.20E+02					<1	
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<0.8		<0.8	<0.5	

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			Federal MCL	EPA SL Tap Water	Field Sample ID	9441713	9441986	9441999	GWRFI-14-MW-70-SO	GWRFI-14-MW-70-SO-Z
					Sample Name	BEL-G-MDA-HP-3	BEL-G-MDA-HP-4-DIS	BEL-G-MDA-HP-4		
					Date Sampled	12/12/2002	12/13/2002	12/13/2002	11/19/2014	11/19/2014
					Sample Purpose	FS	FS	FS	FS	FS
Toluene	N	UG/L	1.00E+03	1.10E+02		<0.7		<0.7	<0.5	
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<0.8		<0.8	<0.5	
trans-1,3-Dichloropropene	N	UG/L				<1		<1	<0.5	
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03					<15	
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<1		<1	<0.5	
Trichlorofluoromethane	N	UG/L		1.10E+02					<0.5	
Vinyl Acetate	N	UG/L		4.10E+01					<2	
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<1		<1	<0.5	
Xylenes	N	UG/L	1.00E+04	1.90E+01		<0.8		<0.8	<0.5	
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01					<0.5	
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01		<1		<1	<0.5	
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01					<5	
1,3-Dinitrobenzene	N	UG/L		2.00E-01					<2	
1,4-Dioxane	N	UG/L		4.60E-01		<1		<1	<1	
1,4-Naphthoquinone	N	UG/L							<25 R	
1-Naphthylamine	N	UG/L							<5	
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01					<0.5	
2,4,5-Trichlorophenol	N	UG/L		1.20E+02		<1		<1	<0.5	
2,4,6-Trichlorophenol	N	UG/L		1.20E+00		<1		<1	<0.5	
2,4-Dichlorophenol	N	UG/L		4.60E+00		<1		<1	<0.5	
2,4-Dimethylphenol	N	UG/L		3.60E+01		<1		<1	<0.5	
2,4-Dinitrophenol	N	UG/L		3.90E+00		<19		<19	<10	
2,4-Dinitrotoluene	N	UG/L		2.40E-01		<1		<1	<1	
2,6-Dichlorophenol	N	UG/L							<0.5	
2,6-Dinitrotoluene	N	UG/L		4.80E-02		<1		<1	<0.5	
2-Acetylaminofluorene	N	UG/L		1.60E-02					<2	
2-Chloronaphthalene	N	UG/L		7.50E+01		<1		<1	<0.4	
2-Chlorophenol	N	UG/L		9.10E+00		<1		<1	<0.5	
2-Methylnaphthalene	N	UG/L		3.60E+00		<1		<1	<0.1	
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01		<1		<1	<0.5	
2-Naphthylamine	N	UG/L		3.90E-02					<5	
2-Nitroaniline	N	UG/L		1.90E+01		<1		<1	<0.5	
2-Nitrophenol	N	UG/L				<1		<1	<0.5	
2-Picoline	N	UG/L				<2		<2	<2	
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01		<1		<1	<2	
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03					<25	
3-Methylcholanthrene	N	UG/L		1.10E-03					<0.5	
3-Nitroaniline	N	UG/L				<1		<1	<0.5	
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01		<5		<5	<5	
4-Aminobiphenyl	N	UG/L		3.00E-03					<0.5	
4-Bromophenyl Phenyl Ether	N	UG/L				<1		<1	<0.5	
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02		<1		<1	<0.5	
4-Chloroaniline	N	UG/L		3.60E-01		<1		<1	<0.5	
4-Chlorophenyl Phenyl Ether	N	UG/L				<1		<1	<0.5	
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03					<0.5	
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02		<2		<2	<0.5	
4-Nitroaniline	N	UG/L		3.80E+00		<1		<1	<0.5	
4-Nitrophenol	N	UG/L				<10		<10	<10	
4-Nitroquinoline-N-Oxide	N	UG/L							<20	
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00					<0.5	
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04					<0.5	
Acenaphthene	N	UG/L		5.30E+01		<1		<1	<0.1	
Acenaphthylene	N	UG/L		5.30E+01		<1		<1	<0.1	

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			Federal MCL	EPA SL Tap Water	Field Sample ID	9441713	9441986	9441999	GWRFI-14-MW-70-SO	GWRFI-14-MW-70-SO-Z
					Sample Name	BEL-G-MDA-HP-3	BEL-G-MDA-HP-4-DIS	BEL-G-MDA-HP-4		
					Date Sampled	12/12/2002	12/13/2002	12/13/2002	11/19/2014	11/19/2014
					Sample Purpose	FS	FS	FS	FS	FS
Acetophenone	N	UG/L		1.90E+02		**5 J**		**7 J**	<0.5	
Aniline	N	UG/L		1.30E+01		<1		**1 J**	<0.5	
Anthracene	N	UG/L		1.80E+02		<1		<1	<0.1	
Benzo(A)Anthracene	N	UG/L		1.20E-02		<1		<1	<0.1	
Benzo(B)Fluoranthene	N	UG/L		3.40E-02		<1		<1	<0.1	
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01		<1		<1	<0.1	
Benzo(K)Fluoranthene	N	UG/L		3.40E-01		<1		<1	<0.1	
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03		<1		<1	<0.1	
Benzyl Alcohol	N	UG/L		2.00E+02					<10	
Bis(2-Chloro-1-Methylethyl) Ether	N	UG/L		3.60E-01		<1		<1		
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00		<1		<1	<0.5	
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02		<1		<1	<0.5	
Bis(2-Chloroisopropyl)Ether	N	UG/L							<0.5	
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00		<2		<2	<2	
Butyl Benzyl Phthalate	N	UG/L		1.60E+01		<2		<2	<2	
Carbazole	N	UG/L				<1		<1		
Chlorobenzilate	N	UG/L		3.10E-01					<3	
Chrysene	N	UG/L		3.40E+00		<1		<1	<0.1	
Diallate	N	UG/L		5.20E-01					<1	
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03		<1		<1	<0.1	
Dibenzofuran	N	UG/L		7.90E-01		<1		<1	<0.5	
Diethyl Phthalate	N	UG/L		1.50E+03		<2		<2	<2	
Dimethoate	N	UG/L		4.00E-01					<3	
Dimethyl Phthalate	N	UG/L				<2		<2	<2	
Di-N-Butyl Phthalate	N	UG/L		9.00E+01		<2		<2	<2	
Ethyl Methanesulfonate	N	UG/L							<0.5	
Famphur	N	UG/L								
Fluoranthene	N	UG/L		8.00E+01		<1		<1	<0.1	
Fluorene	N	UG/L		2.90E+01		<1		<1	<0.1	
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03		<1		<1	<0.1	
Hexachlorobutadiene	N	UG/L		1.40E-01		<1		<1	<0.5	
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02		<5		<5	<5	
Hexachloroethane	N	UG/L		3.30E-01		<1		<1	<1	
Hexachlorophene	N	UG/L		6.00E-01						
Hexachloropropylene	N	UG/L							<2	
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02		<1		<1	<0.1	
Isodrin	N	UG/L							<0.5	
Isophorone	N	UG/L		7.80E+01		<1		<1	<0.5	
Isosafrole	N	UG/L							<2	
Kepone	N	UG/L		3.50E-03						
Methapyrilene	N	UG/L							<15	
Methyl Methanesulfonate	N	UG/L		7.90E-01					<1	
Naphthalene	N	UG/L		1.70E-01		<1		<1	<0.1	
N-Dioctyl Phthalate	N	UG/L		2.00E+01		<2		<2	<2	
Nitrobenzene	N	UG/L		1.40E-01		<1		<1	<0.5	
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04					<2	
N-Nitrosodiethylamine	N	UG/L		1.70E-04					<0.5	
N-Nitrosodimethylamine	N	UG/L		1.10E-04					<2	
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03					<2	
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02		<1		<1	<0.5	
N-Nitrosodiphenylamine	N	UG/L		1.20E+01		<2		<2	<0.5	
N-Nitrosomorpholine	N	UG/L		1.20E-02					<2	
N-Nitrosopiperidine	N	UG/L		8.20E-03					<0.5	
N-Nitrosopyrrolidine	N	UG/L		3.70E-02					<0.5	

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			Federal MCL	EPA SL Tap Water	Field Sample ID	9441713	9441986	9441999	GWRFI-14-MW-70-SO	GWRFI-14-MW-70-SO-Z
					Sample Name	BEL-G-MDA-HP-3	BEL-G-MDA-HP-4-DIS	BEL-G-MDA-HP-4		
					Date Sampled	12/12/2002	12/13/2002	12/13/2002	11/19/2014	11/19/2014
					Sample Purpose	FS	FS	FS	FS	FS
O,O,O-Triethylphosphorothioate	N	UG/L							<2	
O-Toluidine	N	UG/L							<0.5	
para-Phenylenediamine	N	UG/L		3.80E+02					<76	
Parathion	N	UG/L		8.60E+00						
Pentachlorobenzene	N	UG/L		3.20E-01					<0.5	
Pentachloronitrobenzene	N	UG/L		1.20E-01					<2	
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02		<3		<3	<1	
Phenacetin	N	UG/L		3.40E+01					<0.5	
Phenanthrene	N	UG/L		1.80E+02		<1		<1	<0.1	
Phenol	N	UG/L		5.80E+02		<1 UL		<1 UL	<0.5	
Pronamide	N	UG/L		1.20E+02					<0.5	
Pyrene	N	UG/L		1.20E+01		<1		<1	<0.1	
Pyridine	N	UG/L		2.00E+00		<2		<2	<2	
Safrole	N	UG/L		9.50E-02					<2	
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01					<1	
Thionazin	N	UG/L							<2	
Tentatively Identified Compounds										
Diisopropyl Ether	N	UG/L								
Unknown	N	UG/L								
Unknown	N	UG/L								
Unknown	N	UG/L								
Unknown	N	UG/L								
Unknown	N	UG/L								
Unknown	N	UG/L								
Unknown	N	UG/L								
Unknown	N	UG/L								
Unknown	N	UG/L								
Unknown	N	UG/L								
Unknown	N	UG/L								
Unknown	N	UG/L								
Unknown	N	UG/L								
Unknown	N	UG/L								
Pesticides and PCBs										
4,4'-DDD	N	UG/L		3.10E-02						
4,4'-DDE	N	UG/L		4.60E-02						
4,4'-DDT	N	UG/L		2.30E-01						
Aldrin	N	UG/L		9.20E-04						
Alpha-BHC	N	UG/L		7.10E-03						
beta-BHC	N	UG/L		2.50E-02						
Chlordane	N	UG/L	2.00E+00							
delta-BHC	N	UG/L								
Dieldrin	N	UG/L		1.70E-03						
Disulfoton	N	UG/L		5.00E-02						
Endosulfan I	N	UG/L		1.00E+01						
Endosulfan II	N	UG/L		1.00E+01						
Endosulfan Sulfate	N	UG/L		1.00E+01						
Endrin	N	UG/L	2.00E+00	2.30E-01						
Endrin Aldehyde	N	UG/L		2.30E-01						
Heptachlor	N	UG/L	4.00E-01	1.40E-03						
Heptachlor Epoxide	N	UG/L	2.00E-01	1.40E-03						
Lindane	N	UG/L	2.00E-01	4.10E-02						
Methoxychlor	N	UG/L	4.00E+01	3.70E+00						
Methyl Parathion	N	UG/L		4.50E-01						
Phorate	N	UG/L		3.00E-01						

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			Federal MCL	EPA SL Tap Water	Field Sample ID	9441713	9441986	9441999	GWRFI-14-MW-70-SO	GWRFI-14-MW-70-SO-Z
					Sample Name	BEL-G-MDA-HP-3	BEL-G-MDA-HP-4-DIS	BEL-G-MDA-HP-4		
					Date Sampled	12/12/2002	12/13/2002	12/13/2002	11/19/2014	11/19/2014
					Sample Purpose	FS	FS	FS	FS	FS
Toxaphene	N	UG/L	3.00E+00	1.50E-02						
PCB 1016	N	UG/L		1.40E-01						
PCB 1221	N	UG/L		4.60E-03						
PCB 1232	N	UG/L		4.60E-03						
PCB 1242	N	UG/L		7.80E-03						
PCB 1248	N	UG/L		7.80E-03						
PCB 1254	N	UG/L		7.80E-03						
PCB 1260	N	UG/L		7.80E-03						
2,4,5-T	N	UG/L		1.60E+01						
2,4-Dichlorophenoxyacetic Acid	N	UG/L	7.00E+01	1.70E+01						
Dinoseb	N	UG/L	7.00E+00	1.50E+00						
Silvex	N	UG/L	5.00E+01	1.10E+01						
Inorganics										
Antimony	N	UG/L	6.00E+00	7.80E-01					<0.33	
Antimony	Y	UG/L	6.00E+00	7.80E-01						<0.33
Arsenic	N	UG/L	1.00E+01	5.20E-02		**6.9 J**		<4.9	**1.0 J**	
Arsenic	Y	UG/L	1.00E+01	5.20E-02			<4.9			**1.3 J**
Barium	N	UG/L	2.00E+03	3.80E+02		**108**		**137**	**98**	
Barium	Y	UG/L	2.00E+03	3.80E+02			**95.5**			**97**
Beryllium	N	UG/L	4.00E+00	2.50E+00					<0.67	
Beryllium	Y	UG/L	4.00E+00	2.50E+00						<0.67
Cadmium	N	UG/L	5.00E+00	9.20E-01		<0.94		<0.94	<0.33	
Cadmium	Y	UG/L	5.00E+00	9.20E-01			<0.94			<0.33
Chromium	N	UG/L	1.00E+02	2.20E+03		**2.4 J**		**8.9**	**25.2**	
Chromium	Y	UG/L	1.00E+02	2.20E+03			**2.2 B**			**2.9 J**
Cobalt	N	UG/L		6.00E-01					<1.0	
Cobalt	Y	UG/L		6.00E-01						<1.0
Copper	N	UG/L	1.30E+03	8.00E+01					**26.1**	
Copper	Y	UG/L	1.30E+03	8.00E+01						<2.8
Iron	N	UG/L		1.40E+03		**824**		**1900**		

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			Federal MCL	EPA SL Tap Water	Field Sample ID	9441713	9441986	9441999	GWRFI-14-MW-70-SO	GWRFI-14-MW-70-SO-Z
					Sample Name	BEL-G-MDA-HP-3	BEL-G-MDA-HP-4-DIS	BEL-G-MDA-HP-4		
					Date Sampled	12/12/2002	12/13/2002	12/13/2002	11/19/2014	11/19/2014
					Sample Purpose	FS	FS	FS	FS	FS
Iron	Y	UG/L		1.40E+03			**313**			
Lead	N	UG/L	1.50E+01	1.50E+01		<8.9		**11.5 J**	**2.2**	
Lead	Y	UG/L	1.50E+01	1.50E+01			<8.9			<0.082
Manganese	N	UG/L		4.30E+01		**611**		**357**		
Manganese	Y	UG/L		4.30E+01			**316**			
Mercury	N	UG/L	2.00E+00	6.30E-02		<0.079		**0.081 B**	**0.2**	
Mercury	Y	UG/L	2.00E+00	6.30E-02			<0.079			<0.060
Nickel	N	UG/L		3.90E+01					<1.6	
Nickel	Y	UG/L		3.90E+01						<1.6
Selenium	N	UG/L	5.00E+01	1.00E+01		<4.8		<4.8	<0.50	
Selenium	Y	UG/L	5.00E+01	1.00E+01			<4.8			<0.50
Silver	N	UG/L		9.40E+00		<1.4		<1.4	<1.8	
Silver	Y	UG/L		9.40E+00			<1.4			<1.8
Thallium	N	UG/L	2.00E+00	2.00E-02					<0.15	
Thallium	Y	UG/L	2.00E+00	2.00E-02						<0.15
Tin	N	UG/L		1.20E+03					<2.4	
Tin	Y	UG/L		1.20E+03						<2.4
Vanadium	N	UG/L		8.60E+00					**2.5 J**	
Vanadium	Y	UG/L		8.60E+00						<1.9
Zinc	N	UG/L		6.00E+02					**21.4 B**	
Zinc	Y	UG/L		6.00E+02						**11.5 B**
Miscellaneous										
Alkalinity, Bicarb. As CaCO3 At pH 4.5	N	UG/L				**236000**		**359000**		
Alkalinity, Carb.As CaCO3 At pH 8.3	N	UG/L				<410		<410		
Nitrate	N	UG/L	1.00E+04	3.20E+03		**470 J**		<400 UL		
Nitrite	N	UG/L	1.00E+03	2.00E+02		<400		<400		
Total Kjeldahl Nitrogen	N	UG/L				**7700**		<300		
Total Organic Carbon	N	UG/L				**3650**		**10500**		
Ammonia	N	UG/L								
Chloride	N	UG/L				**54100**		**163000**		
Cyanide	N	UG/L	2.00E+02	1.50E-01						
Phosphorus	N	UG/L		4.00E-02		**117**		**293**		
Sulfate	N	UG/L				**35600**		**42900**		
Sulfide	N	UG/L				<530		<530		

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-70	MDA-HP-3	MDA-HP-4	MW-70
					Field Sample ID	7645362	9441570	9441856	7648054
					Sample Name	BEL-S-HP-70(2.5-4)	BEL-S-MDA-HP-3 12-16	BEL-S-MDA-HP-4 1-3	BEL-S-MW-70
					Date Sampled	09/27/2000	12/13/2002	12/13/2002	10/05/2000
					Start Depth - End Depth	2.5 - 4	12 - 16	1 - 3	
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0020 UJ			<0.0020
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0020 UJ	<0.0020	<0.0010	<0.0020
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0020 UJ	<0.0020	<0.0010	<0.0020 UJ
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0020 UJ	<0.0020	<0.0010	<0.0020
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0020 UJ	<0.0020	<0.0010	<0.0020
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0020 UJ	<0.0020	<0.0010	<0.0020
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0020 UJ			<0.0020 UJ
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0030 UJ			<0.0040 UJ
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0020 UJ			<0.0020
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0410	<0.0590	<0.0410	<0.0400
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0020 UJ	<0.0020	<0.0010	<0.0020
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0020 UJ	<0.0020	<0.0010	<0.0020
1,3-Dichlorobenzene	MG/KG					<0.0410	<0.0590	<0.0410	<0.0400
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0410	<0.0590	<0.0410	<0.0400
2-Hexanone	MG/KG		1.76E-01			<0.0050 UJ			<0.0060
Acetone	MG/KG		5.80E+01			<0.0110 UJ	**0.0320 J**	**0.0460**	**0.0240 J**
Acetonitrile	MG/KG		5.20E-01			<0.0390 UJ			<0.0510 R
Acrolein	MG/KG		1.68E-04			<0.0310 UJ			<0.0410 R
Acrylonitrile	MG/KG		2.20E-04			<0.0060 UJ			<0.0080
Allyl Chloride	MG/KG		4.60E-03			<0.0020 UJ			<0.0020 UL
Benzene	MG/KG	5.20E-02	4.60E-03			**0.0470 J**	<0.0020	**0.0320 J**	**0.0330**
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0020 UJ	<0.0020	<0.0010	<0.0020
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0020 UJ	<0.0020	<0.0010	<0.0020
Carbon Disulfide	MG/KG		4.80E+00			<0.0020 UJ			<0.0020
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0020 UJ	<0.0020	<0.0010	<0.0020
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0020 UJ	<0.0020	<0.0010 UJ	<0.0020
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0020 UJ	<0.0020	<0.0010	<0.0020
Chloroform	MG/KG	4.40E-01	1.22E-03			**0.0020 J**	<0.0020	<0.0010	<0.0020
Chloroprene	MG/KG		1.96E-04			<0.0020 UJ			<0.0020
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0020 UJ	<0.0020	<0.0010	<0.0020
cis-1,3-Dichloropropene	MG/KG					<0.0020 UJ	<0.0020	<0.0010	<0.0020
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0030 UJ			<0.0040
Ethyl Chloride	MG/KG		1.18E+02			<0.0030 UJ	<0.0040	<0.0020	<0.0040
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0020 UJ			<0.0020
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0020 UJ	<0.0020	<0.0010 UJ	<0.0020
Iodomethane	MG/KG					<0.0050 UJ			<0.0060
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1500 UJ			<0.2000 R
Methacrylonitrile	MG/KG		8.60E-03			<0.0080 UJ			<0.0100
Methyl Bromide	MG/KG		3.80E-02			<0.0030 UJ	<0.0040	<0.0020	<0.0040 UL
Methyl Chloride	MG/KG		9.80E-01			<0.0030 UJ	<0.0040	<0.0020	<0.0040
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0060 UJ	**0.0150 J**	<0.0050	<0.0080

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-70	MDA-HP-3	MDA-HP-4	MW-70
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7645362	9441570	9441856	7648054
					Sample Name	BEL-S-HP-70(2.5-4)	BEL-S-MDA-HP-3 12-16	BEL-S-MDA-HP-4 1-3	BEL-S-MW-70
					Date Sampled	09/27/2000	12/13/2002	12/13/2002	10/05/2000
					Start Depth - End Depth	2.5 - 4	12 - 16	1 - 3	
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0050 UJ			**0.0060 J**
Methyl Methacrylate	MG/KG		6.00E+00			<0.0020 UJ			<0.0020
Methylene Bromide	MG/KG		4.00E-02			<0.0020 UJ			<0.0020
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0030 UJ	<0.0040	<0.0020	**0.0070 J**
Pentachloroethane	MG/KG		6.20E-03			<0.0020 UJ			<0.0020 UJ
Propionitrile	MG/KG					<0.0460 UJ			<0.0610 R
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0020 UJ			<0.0020
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			**0.0020 J**	<0.0020	<0.0010	<0.0020
Toluene	MG/KG	1.38E+01	1.52E+01			**0.0030 J**	<0.0020	**0.0020 J**	<0.0020
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0020 UJ	<0.0020	<0.0010	<0.0020
trans-1,3-Dichloropropene	MG/KG					<0.0020 UJ	<0.0020	<0.0010	<0.0020
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0150 UJ			<0.0200
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0020 UJ	<0.0020	<0.0010	<0.0020
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0030 UJ			<0.0040
Vinyl Acetate	MG/KG		1.74E+00			<0.0030 UJ			<0.0040
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0020 UJ	<0.0020	<0.0010	<0.0020
Xylenes	MG/KG	1.96E+02	3.80E+00			**0.0070 J**	<0.0020	**0.0020 J**	**0.0030 J**
Semi-Volatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0410			<0.0400
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0410	<0.0590	<0.0410	<0.0400
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2100			<0.2100
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0410			<0.0400
1,4-Dioxane	MG/KG		1.88E-03			<0.1100 UJ	<0.1800	<0.1200	<0.1400 R
1,4-Naphthoquinone	MG/KG					<1.0000 UL			<1.0000
1-Naphthylamine	MG/KG					<0.2100 UL			<0.2100 UL
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0830			<0.0810
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0830	<0.0590	<0.0410	<0.0810
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0830	<0.0590	<0.0410	<0.0810
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0830	<0.0590	<0.0410	<0.0810
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0830	<0.0590	<0.0410	<0.0810
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.8300	<1.2000	<0.8300	<0.8100
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0410	<0.1200	<0.0830	<0.0400
2,6-Dichlorophenol	MG/KG					<0.0410			<0.0400
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0410	<0.0590	<0.0410	<0.0400
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0410			<0.0400
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0410	<0.0590	<0.0410	<0.0400
2-Chlorophenol	MG/KG		1.48E+00			<0.0410	<0.0590	<0.0410	<0.0400
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		<0.0410	<0.0590	**0.1100 J**	<0.0400
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0410	<0.0590	<0.0410	<0.0400
2-Naphthylamine	MG/KG		4.00E-03			<0.2100 R			<0.2100 R
2-Nitroaniline	MG/KG		1.60E+00			<0.0830	<0.0590	<0.0410	<0.0810
2-Nitrophenol	MG/KG					<0.0830	<0.0590	<0.0410	<0.0810

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-70	MDA-HP-3	MDA-HP-4	MW-70
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7645362	9441570	9441856	7648054
					Sample Name	BEL-S-HP-70(2.5-4)	BEL-S-MDA-HP-3 12-16	BEL-S-MDA-HP-4 1-3	BEL-S-MW-70
					Date Sampled	09/27/2000	12/13/2002	12/13/2002	10/05/2000
					Start Depth - End Depth	2.5 - 4	12 - 16	1 - 3	
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill
2-Picoline	MG/KG					<0.0830	<0.1200	<0.0830	<0.0810
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.0830	<0.1200	<0.0830	<0.0810
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.2100			<0.2100
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0830			<0.0810
3-Nitroaniline	MG/KG					<0.0830	<0.1200	<0.0830	<0.0810
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2100	<0.3000	<0.2100	<0.2100
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2100 UL			<0.2100 UL
4-Bromophenyl Phenyl Ether	MG/KG					<0.0410	<0.0590	<0.0410	<0.0400
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0830	<0.1200	<0.0830	<0.0810
4-Chloroaniline	MG/KG		3.20E-03			<0.0830	<0.0590	<0.0410	<0.0810
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0410	<0.0590	<0.0410	<0.0400
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0410			<0.0400
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0830	<0.1200	<0.0830	<0.0810
4-Nitroaniline	MG/KG		3.20E-02			<0.0830	<0.1200	<0.0830	<0.0810
4-Nitrophenol	MG/KG					<0.2100	<0.3000	<0.2100	<0.2100
4-Nitroquinoline-N-Oxide	MG/KG					<0.4100			<0.4000 UL
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2100 UL			<0.2100 UL
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0410			<0.0400
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0410	<0.0590	<0.0410	<0.0400
Acenaphthylene	MG/KG			3.10E-01		<0.0410	<0.0590	<0.0410	**0.0490 J**
Acetophenone	MG/KG		1.16E+01			<0.0410	<0.1200	<0.0830	<0.0400
Aniline	MG/KG		9.20E-02			<0.0830	<0.0590	**0.3500 J**	<0.0810
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0410	<0.0590	**0.0990 J**	<0.0400
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		<0.0410	<0.0590	**0.2700 J**	<0.0400
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.0530 J**	<0.0590	**0.3800 J**	**0.0570 J**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		<0.0410	<0.0590	**0.1800 J**	<0.0400
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		<0.0410	<0.0590	**0.1600 J**	<0.0400
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		<0.0410	<0.0590	**0.2300 J**	<0.0400
Benzyl Alcohol	MG/KG		9.60E+00			<0.2100			<0.2100
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03			<0.0410	<0.0590	<0.0410	<0.0400
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0830	<0.0590	<0.0410	<0.0810
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0410	<0.0590	<0.0410	<0.0400
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0830	<0.1200	<0.0830	<0.0810
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0830	<0.1200	<0.0830	<0.0810
Carbazole	MG/KG						<0.0590	**0.0580 J**	
Chlorobenzilate	MG/KG		2.00E-02			<0.0830			<0.0810
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.0500 J**	<0.0590	**0.3400 J**	<0.0400
Diallate	MG/KG		1.56E-02			<0.0830			<0.0810
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0410	<0.0590	**0.0600 J**	<0.0400
Dibenzofuran	MG/KG		3.00E+00			<0.0410	<0.0590	**0.0540 J**	<0.0400
Diethyl Phthalate	MG/KG		1.22E+02			<0.0830	<0.1200	<0.0830	<0.0810
Dimethyl Phthalate	MG/KG					<0.0830	<0.1200	<0.0830	<0.0810

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-70	MDA-HP-3	MDA-HP-4	MW-70
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7645362	9441570	9441856	7648054
					Sample Name	BEL-S-HP-70(2.5-4)	BEL-S-MDA-HP-3 12-16	BEL-S-MDA-HP-4 1-3	BEL-S-MW-70
					Date Sampled	09/27/2000	12/13/2002	12/13/2002	10/05/2000
					Start Depth - End Depth	2.5 - 4	12 - 16	1 - 3	
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0830	<0.1200	<0.0830	<0.0810
Ethyl Methanesulfonate	MG/KG					<0.0410			<0.0400
Famphur	MG/KG					<0.00830			<0.00810
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.0990 J**	<0.0590	**0.5600**	**0.1000 J**
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.0410	<0.0590	<0.0410	<0.0400
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0410	<0.0590	<0.0410	<0.0400
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0830	<0.1200	<0.0830	<0.0810
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2100	<0.3000	<0.2100	<0.2100 UL
Hexachloroethane	MG/KG		4.00E-03			<0.0410	<0.0590	<0.0410	<0.0400
Hexachlorophene	MG/KG		1.60E+02			<0.2000 UL			<0.0020 UL
Hexachloropropylene	MG/KG					<0.0830			<0.0810
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		<0.0410	<0.0590	**0.1900 J**	<0.0400
Isodrin	MG/KG					<0.0830			<0.0810
Isophorone	MG/KG		5.20E-01			<0.0410	<0.0590	<0.0410	<0.0400
Isosafrole	MG/KG					<0.0410			<0.0400
Kepone	MG/KG		2.40E-03			<0.0170			<0.000810
Methapyrilene	MG/KG					<0.0410			<0.0400
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0410			<0.0400
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.0430 J**	<0.0590	**0.0790 J**	<0.0400
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0830	<0.1200	<0.0830	<0.0810
Nitrobenzene	MG/KG		1.84E-03			<0.0410	<0.0590	<0.0410	<0.0400
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0830			<0.0810
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0410			<0.0400
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0830			<0.0810
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0410			<0.0400
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0410	<0.0590	<0.0410	<0.0400
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0410	<0.0590	<0.0410	<0.0400
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0830			<0.0810
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0830			<0.0810
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0830			<0.0810
O,O,O-Triethylphosphorothioate	MG/KG					<0.1200			<0.1200
O-Toluidine	MG/KG					<0.0830			<0.0810
para-Phenylenediamine	MG/KG		2.00E+01			<2.5000 UL			<2.4000 UL
Parathion	MG/KG		8.60E+00			<0.00830			<0.00810
Pentachlorobenzene	MG/KG		4.80E-01			<0.0410			<0.0400
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0410			<0.0400
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.2100	<0.3000	<0.2100	<0.2100
Phenacetin	MG/KG		1.94E-01			<0.0410			<0.0400
Phenanthrene	MG/KG			8.70E-01		**0.1000 J**	<0.0590	**0.4900**	<0.0400
Phenol	MG/KG		6.60E+01			<0.0830	<0.0590	<0.0410	<0.0810
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.1100 J**	<0.0590	**0.5200**	<0.0400
Pyridine	MG/KG		1.36E-01			<0.0830	<0.1200	<0.0830	<0.0810

Summary of Analytical Results - MDA - Comparison to SSLs
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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-70	MDA-HP-3	MDA-HP-4	MW-70
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7645362	9441570	9441856	7648054
					Sample Name	BEL-S-HP-70(2.5-4)	BEL-S-MDA-HP-3 12-16	BEL-S-MDA-HP-4 1-3	BEL-S-MW-70
					Date Sampled	09/27/2000	12/13/2002	12/13/2002	10/05/2000
					Start Depth - End Depth	2.5 - 4	12 - 16	1 - 3	
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill
Safrole	MG/KG		1.18E-03			<0.0410			<0.0400
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0830			<0.0810
Thionazin	MG/KG					<0.0830			<0.0810
Pesticides and PCBs									
4,4'-DDD	MG/KG		1.44E-01			<0.00320			**0.000820 B**
4,4'-DDE	MG/KG		2.20E-01			<0.00320			**0.000280 J**
4,4'-DDT	MG/KG		1.54E+00			<0.00320			<0.000160 UL
Aldrin	MG/KG		3.00E-03			<0.00170			<0.0000810
Alpha-BHC	MG/KG		8.20E-04			<0.00170			<0.0000810
beta-BHC	MG/KG		2.80E-03			<0.00370			<0.000180
Chlordane	MG/KG					<0.0820			<0.00400
delta-BHC	MG/KG					<0.00170			**0.0001600 J**
Dieldrin	MG/KG		1.38E-03			<0.00320			<0.000160
Dimethoate	MG/KG		1.80E-02			<0.1200			<0.1200 UL
Disulfoton	MG/KG		1.88E-02			<0.00830			<0.00810
Endosulfan I	MG/KG					<0.00170			<0.0000810
Endosulfan II	MG/KG					<0.00320			<0.000160
Endosulfan Sulfate	MG/KG					<0.00320			<0.000160
Endrin	MG/KG	1.62E+00	1.84E+00			<0.00320			**0.000250 J**
Endrin Aldehyde	MG/KG					<0.00320			<0.000160
Heptachlor	MG/KG	6.60E-01	2.20E-03			<0.00170			**0.0001660 J**
Heptachlor Epoxide	MG/KG	8.20E-02	5.60E-04			<0.00170			<0.0000810
Lindane	MG/KG	2.40E-02	4.80E-03			<0.00170			<0.0000810
Methoxychlor	MG/KG	4.40E+01	4.00E+01			<0.0170			<0.000810
Methyl Parathion	MG/KG		1.48E-01			<0.00830			<0.00810
Phorate	MG/KG		6.80E-02			<0.00830			<0.00810
Toxaphene	MG/KG	9.20E+00	4.80E-02			<0.1700			<0.00810
PCB 1016	MG/KG		4.20E-01			<0.0820			<0.00400
PCB 1221	MG/KG		1.58E-03			<0.1900			<0.00950
PCB 1232	MG/KG		1.58E-03			<0.0820			<0.00400
PCB 1242	MG/KG		2.40E-02			<0.0820			<0.00400
PCB 1248	MG/KG		2.40E-02			<0.0820			<0.00400
PCB 1254	MG/KG		4.00E-02			<0.0820			<0.00400
PCB 1260	MG/KG		1.10E-01			<0.0820			<0.00400
2,4,5-T	MG/KG		1.34E+00			<0.00410			**0.001670 J**
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01			<0.0410			<0.00400
Dinoseb	MG/KG	1.24E+00	2.60E+00			<0.0470 R			<0.00460 UL
Pronamide	MG/KG		2.40E+01			<0.2100			<0.2100
Silvex	MG/KG	5.60E-01	1.22E+00			<0.00410			<0.000400
Inorganics									
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		<2.7			<2.7 UL
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**8.6**	**14.7**	**6.5**	**6.7 L**

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-70	MDA-HP-3	MDA-HP-4	MW-70
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7645362	9441570	9441856	7648054
					Sample Name	BEL-S-HP-70(2.5-4)	BEL-S-MDA-HP-3 12-16	BEL-S-MDA-HP-4 1-3	BEL-S-MW-70
					Date Sampled	09/27/2000	12/13/2002	12/13/2002	10/05/2000
					Start Depth - End Depth	2.5 - 4	12 - 16	1 - 3	
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**46.7**	**77.3**	**221**	**42.0**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**0.32 J**			**0.37 J**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		<0.27	**0.77**	**1.2**	<0.27
Chromium	MG/KG	3.60E+06		4.40E+01		**192**	**21.5**	**35.0**	**11.8**
Cobalt	MG/KG		5.40E+00	2.23E+01		**3.0 J**			**1.7 J**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**59.1**			**193**
Iron	MG/KG		7.00E+03				**11600 K**	**13300 K**	
Lead	MG/KG	2.80E+02		1.06E+02		**93.1**	**6.5**	**265**	**66.3 J**
Manganese	MG/KG		5.60E+02				**85.3**	**107**	
Mercury	MG/KG	2.00E+00		4.14E+00		**24.0**	<0.018	**78.0**	**33.7**
Nickel	MG/KG		5.20E+02	2.59E+01		**7.5**			**3.2 J**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**1.0 J**	**2.5**	**0.79 J**	**0.82 J**
Silver	MG/KG		1.60E+01			**2.0 J**	<0.17	**3.3**	**0.61 J**
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		<0.57			<0.54
Tin	MG/KG		6.00E+04			<4.6			**6.3 J**
Vanadium	MG/KG		1.72E+03	6.74E+01		**8.9**			**6.8**
Zinc	MG/KG		7.40E+03	1.33E+02		**14.1**			**7.7 J**
Miscellaneous									
Total Organic Carbon	MG/KG						**64000 J**	**229000 J**	
Cyanide	MG/KG	4.00E+01	3.00E-01			**0.3200 J**			**0.2500 J**
Percent Moisture	%						**44.0**	**18.8**	
Percent Moisture	% BY WT.					**19.7**			**17.7**
Sulfide	MG/KG					<5.0			<4.9 UL

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL)
and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-18-A	MW-18-DO	MW-18-SO	MW-19-A	MW-19-DO	MW-19-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-18-A	GWRFI-14-MW-18-DO	GWRFI-14-MW-18-SO	GWRFI-14-MW-19-A	GWRFI-14-MW-19-DO	GWRFI-14-MW-19-SO
					Sample Name						
					Date Sampled	11/19/2014	11/19/2014	11/19/2014	11/13/2014	11/13/2014	11/13/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<0.5	<0.5	<0.5	<0.5	**2**	<0.5
1,1-Dichloroethane	N	UG/L		2.70E+00		<0.5	<0.5	<0.5	**16**	<0.5	<0.5
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<0.5	<0.5	<0.5	**23**	<0.5	<0.5
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<1	<1	<1	**1 J**	<1	<1
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<2	<2	<2	<2	<2	<2
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01		<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<0.5	<0.5	<0.5	**32**	**1**	<0.5
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	N	UG/L				<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01		<1	<1	<1	<1	<1	<1
2-Hexanone	N	UG/L		3.80E+00		<3	<3	<3	<3	<3	<3
Acetone	N	UG/L		1.40E+03		<6	<6	<6	<6	<6	<6
Acetonitrile	N	UG/L		1.30E+01		<25	<25	<25	<25	<25	<25
Acrolein	N	UG/L		4.20E-03		<40	<40	<40	<40	<40	<40
Acrylonitrile	N	UG/L		5.20E-02		<4	<4	<4	<4	<4	<4
Allyl Chloride	N	UG/L		2.10E-01		<1	<1	<1	<1	<1	<1
Benzene	N	UG/L	5.00E+00	4.50E-01		<0.5	<0.5	<0.5	**1**	<0.5	<0.5
Bromodichloromethane	N	UG/L		1.30E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	N	UG/L		3.30E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide	N	UG/L		8.10E+01		<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		<0.5	<0.5	<0.5	**0.5 J**	<0.5	<0.5
Chlorodibromomethane	N	UG/L		1.70E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	N	UG/L		2.20E-01		<0.5	<0.5	<0.5	**4**	<0.5	<0.5
Chloroprene	N	UG/L		1.90E-02		<1	<1	<1	<1	<1	<1
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<0.5	<0.5	<0.5	**79**	<0.5	**6**
cis-1,3-Dichloropropene	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	N	UG/L		2.00E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethyl Chloride	N	UG/L		2.10E+03		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethyl Methacrylate	N	UG/L		4.60E+01		<1	<1	<1	<1	<1	<1
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<0.5	<0.5	<0.5	**3**	<0.5	<0.5
Formaldehyde	N	UG/L		4.30E-01		**22 B**	**25 B**	**69 B**	**30 J**	**20 J**	**110**
Iodomethane	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isobutyl Alcohol	N	UG/L		5.90E+02		<100	<100	<100	<100	<100	<100
Methacrylonitrile	N	UG/L		1.90E-01		<10	<10	<10	<10	<10	<10
Methyl Bromide	N	UG/L		7.50E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-18-A	MW-18-DO	MW-18-SO	MW-19-A	MW-19-DO	MW-19-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-18-A	GWRFI-14-MW-18-DO	GWRFI-14-MW-18-SO	GWRFI-14-MW-19-A	GWRFI-14-MW-19-DO	GWRFI-14-MW-19-SO
					Sample Name						
					Date Sampled	11/19/2014	11/19/2014	11/19/2014	11/13/2014	11/13/2014	11/13/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Methyl Chloride	N	UG/L		1.90E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone	N	UG/L		5.60E+02		<3	<3	<3	<3	<3	<3
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<3	<3	<3	<3	<3	<3
Methyl Methacrylate	N	UG/L		1.40E+02		<1	<1	<1	<1	<1	<1
Methylene Bromide	N	UG/L		8.00E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2	<2	<2	<2	<2	<2
Pentachloroethane	N	UG/L		6.40E-01		<1	<1	<1	<1	<1	<1
Propionitrile	N	UG/L				<30	<30	<30	<30	<30	<30
Styrene	N	UG/L	1.00E+02	1.20E+02		<1	<1	<1	<1	<1	<1
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	N	UG/L	1.00E+03	1.10E+02		<0.5	<0.5	<0.5	**10**	<0.5	<0.5
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<0.5	<0.5	<0.5	**110**	<0.5	<0.5
trans-1,3-Dichloropropene	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<15	<15	<15	<15	<15	<15
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<0.5	<0.5	<0.5	**120**	<0.5	**1**
Trichlorofluoromethane	N	UG/L		1.10E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Acetate	N	UG/L		4.10E+01		<2	<2	<2	<2	<2	<2
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<0.5	<0.5	<0.5	**290**	<0.5	<0.5
Xylenes	N	UG/L	1.00E+04	1.90E+01		<0.5	<0.5	<0.5	**35**	<0.5	<0.5
Semivolatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01		<5	<5	<5	<5	<5	<5
1,3-Dinitrobenzene	N	UG/L		2.00E-01		<2	<2	<2	<2	<2	<2
1,4-Dioxane	N	UG/L		4.60E-01		<1	**3 J**	<1	<1	<1	**1 J**
1,4-Naphthoquinone	N	UG/L				<25 R	<25 R	<25 R	<25 R	<25 R	<25 R
1-Naphthylamine	N	UG/L				<5	<5	<5	<5	<5	<5
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01		<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R
2,4,5-Trichlorophenol	N	UG/L		1.20E+02		<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R
2,4,6-Trichlorophenol	N	UG/L		1.20E+00		<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R
2,4-Dichlorophenol	N	UG/L		4.60E+00		<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R
2,4-Dimethylphenol	N	UG/L		3.60E+01		<0.5	**0.7 J**	<0.5	<0.5	<0.5 R	<0.5 R
2,4-Dinitrophenol	N	UG/L		3.90E+00		<10	<10	<10	<10	<10 R	<10 R
2,4-Dinitrotoluene	N	UG/L		2.40E-01		<1	<1	<1	<1	<1	<1
2,6-Dichlorophenol	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R
2,6-Dinitrotoluene	N	UG/L		4.80E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Acetylaminofluorene	N	UG/L		1.60E-02		<2	<2	<2	<2 UJ	<2 UJ	<2 UJ
2-Chloronaphthalene	N	UG/L		7.50E+01		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
2-Chlorophenol	N	UG/L		9.10E+00		<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R
2-Methylnaphthalene	N	UG/L		3.60E+00		<0.1	<0.1	<0.1	**0.6**	<0.1	<0.1
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01		<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-18-A	MW-18-DO	MW-18-SO	MW-19-A	MW-19-DO	MW-19-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-18-A	GWRFI-14-MW-18-DO	GWRFI-14-MW-18-SO	GWRFI-14-MW-19-A	GWRFI-14-MW-19-DO	GWRFI-14-MW-19-SO
					Sample Name						
					Date Sampled	11/19/2014	11/19/2014	11/19/2014	11/13/2014	11/13/2014	11/13/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
2-Naphthylamine	N	UG/L		3.90E-02		<5	<5	<5	<5	<5	<5
2-Nitroaniline	N	UG/L		1.90E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Nitrophenol	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R
2-Picoline	N	UG/L				<2	<2	<2	<2	<2	<2
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01		<2	<2	<2	<2	<2	<2
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03		<25	<25	<25	<25 R	<25 R	<25 R
3-Methylcholanthrene	N	UG/L		1.10E-03		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
3-Nitroaniline	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01		<5	<5	<5	<5	<5 R	<5 R
4-Aminobiphenyl	N	UG/L		3.00E-03		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Bromophenyl Phenyl Ether	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02		<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R
4-Chloroaniline	N	UG/L		3.60E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Chlorophenyl Phenyl Ether	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03		<0.5	<0.5	<0.5	<0.5 UJ	<0.5 UJ	<0.5 UJ
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02		<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R
4-Nitroaniline	N	UG/L		3.80E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Nitrophenol	N	UG/L				<10	<10	<10	<10	<10 R	<10 R
4-Nitroquinoline-N-Oxide	N	UG/L				<20	<20	<20	<20	<20	<20
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthene	N	UG/L		5.30E+01		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	N	UG/L		5.30E+01		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acetophenone	N	UG/L		1.90E+02		<0.5	<0.5	<0.5	**0.7 J**	<0.5	<0.5
Aniline	N	UG/L		1.30E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Anthracene	N	UG/L		1.80E+02		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(A)Anthracene	N	UG/L		1.20E-02		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(B)Fluoranthene	N	UG/L		3.40E-02		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01		<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Benzo(K)Fluoranthene	N	UG/L		3.40E-01		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzyl Alcohol	N	UG/L		2.00E+02		<10	<10	<10	<10 UJ	<10 R	<10 R
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00		<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	N	UG/L		1.60E+01		<2	<2	<2	<2	<2	<2
Chlorobenzilate	N	UG/L		3.10E-01		<3	<3	<3	<3	<3	<3
Chrysene	N	UG/L		3.40E+00		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diallate	N	UG/L		5.20E-01		<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03		<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Dibenzofuran	N	UG/L		7.90E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-18-A	MW-18-DO	MW-18-SO	MW-19-A	MW-19-DO	MW-19-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-18-A	GWRFI-14-MW-18-DO	GWRFI-14-MW-18-SO	GWRFI-14-MW-19-A	GWRFI-14-MW-19-DO	GWRFI-14-MW-19-SO
					Sample Name						
					Date Sampled	11/19/2014	11/19/2014	11/19/2014	11/13/2014	11/13/2014	11/13/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Diethyl Phthalate	N	UG/L		1.50E+03		<2	<2	<2	<2	<2	<2
Dimethyl Phthalate	N	UG/L				<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	N	UG/L		9.00E+01		<2	<2	<2	<2	<2	<2
Ethyl Methanesulfonate	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fluoranthene	N	UG/L		8.00E+01		<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Fluorene	N	UG/L		2.90E+01		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobutadiene	N	UG/L		1.40E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02		<5	<5	<5	<5	<5	<5
Hexachloroethane	N	UG/L		3.30E-01		<1	<1	<1	<1	<1	<1
Hexachloropropylene	N	UG/L				<2	<2	<2	<2	<2	<2
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02		<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ
Isodrin	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isophorone	N	UG/L		7.80E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isosafrole	N	UG/L				<2	<2	<2	<2	<2	<2
Methapyrilene	N	UG/L				<15	<15	<15	<15 UJ	<15 UJ	<15 UJ
Methyl Methanesulfonate	N	UG/L		7.90E-01		<1	<1	<1	<1	<1	<1
Naphthalene	N	UG/L		1.70E-01		<0.1	<0.1	<0.1	**1**	<0.1	<0.1
N-Dioctyl Phthalate	N	UG/L		2.00E+01		<2	<2	<2	<2	<2	<2
Nitrobenzene	N	UG/L		1.40E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04		<2	<2	<2	<2	<2	<2
N-Nitrosodiethylamine	N	UG/L		1.70E-04		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitrosodimethylamine	N	UG/L		1.10E-04		<2	<2	<2	<2	<2	<2
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03		<2	<2	<2	<2	<2	<2
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitrosodiphenylamine	N	UG/L		1.20E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitrosomorpholine	N	UG/L		1.20E-02		<2	<2	<2	<2	<2	<2
N-Nitrosopiperidine	N	UG/L		8.20E-03		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitrosopyrrolidine	N	UG/L		3.70E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
O,O,O-Triethylphosphorothioate	N	UG/L				<2	<2	<2	<2	<2	<2
O-Toluidine	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
para-Phenylenediamine	N	UG/L		3.80E+02		<76	<76	<76	<76	<76	<76
Pentachlorobenzene	N	UG/L		3.20E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Pentachloronitrobenzene	N	UG/L		1.20E-01		<2	<2	<2	<2	<2	<2
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02		<1	<1	<1	<1	<1 R	<1 R
Phenacetin	N	UG/L		3.40E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Phenanthrene	N	UG/L		1.80E+02		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol	N	UG/L		5.80E+02		<0.5	<0.5	<0.5	<0.5	<0.5 R	<0.5 R
Pyrene	N	UG/L		1.20E+01		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyridine	N	UG/L		2.00E+00		<2	<2	<2	<2	<2	<2
Safrole	N	UG/L		9.50E-02		<2	<2	<2	<2	<2	<2

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-18-A	MW-18-DO	MW-18-SO	MW-19-A	MW-19-DO	MW-19-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-18-A	GWRFI-14-MW-18-DO	GWRFI-14-MW-18-SO	GWRFI-14-MW-19-A	GWRFI-14-MW-19-DO	GWRFI-14-MW-19-SO
					Sample Name						
					Date Sampled	11/19/2014	11/19/2014	11/19/2014	11/13/2014	11/13/2014	11/13/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01		<1	<1	<1	<1	<1	<1
Thionazin	N	UG/L				<2	<2	<2	<2	<2	<2
Dimethoate	N	UG/L		4.00E-01		<3	<3	<3	<3	<3	<3
Pronamide	N	UG/L		1.20E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-Chloroisopropyl)Ether	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GW14-MW-20-A	GWRFI-14-MW-20-A	GW14-MW-20-DO	GWRFI-14-MW-20-DO	GWRFI-14-MW-21-A	GWRFI-14-MW-21-DO	GWRFI-14-MW-21-SO
					Sample Name							
					Date Sampled	12/02/2014	11/13/2014	12/02/2014	11/13/2014	11/20/2014	11/17/2014	11/17/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01			<0.5		<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02			<0.5		<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02			<0.5		<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02			<0.5		<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	N	UG/L		2.70E+00			<0.5		<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01			<0.5		<0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	N	UG/L		7.50E-04			<1		<1	<1	<1	<1
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04			<2		<2	<2	<2	<2
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03			<0.5		<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01			<1		<1	<1	<1	<1
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01			<0.5		<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01			<0.5		<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	N	UG/L					<1		<1	<1	<1	<1
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01			<1		<1	<1	<1	<1
2-Hexanone	N	UG/L		3.80E+00			<3		<3	<3	<3	<3
Acetone	N	UG/L		1.40E+03			<6		<6	<6	**7 J**	<6
Acetonitrile	N	UG/L		1.30E+01			<25		<25	<25	<130	<25
Acrolein	N	UG/L		4.20E-03			<40		<40	<40	<40	<40
Acrylonitrile	N	UG/L		5.20E-02			<4		<4	<4	<4	<4
Allyl Chloride	N	UG/L		2.10E-01			<1		<1	<1	<1	<1
Benzene	N	UG/L	5.00E+00	4.50E-01			<0.5		<0.5	<0.5	**20**	<0.5
Bromodichloromethane	N	UG/L		1.30E-01			<0.5		<0.5	<0.5	<0.5	<0.5
Bromoform	N	UG/L		3.30E+00			<0.5		<0.5	<0.5	<0.5	<0.5
Carbon Disulfide	N	UG/L		8.10E+01			<1		<1	<1	<1	<1
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01			<0.5		<0.5	<0.5	<0.5	<0.5
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00			<0.5		<0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	N	UG/L		1.70E-01			<0.5		<0.5	<0.5	<0.5	<0.5
Chloroform	N	UG/L		2.20E-01			<0.5		<0.5	<0.5	<0.5	<0.5
Chloroprene	N	UG/L		1.90E-02			<1		<1	<1	<1	<1
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00			<0.5		<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	N	UG/L					<0.5		<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	N	UG/L		2.00E+01			<0.5		<0.5	<0.5	<0.5	<0.5
Ethyl Chloride	N	UG/L		2.10E+03			<0.5		<0.5	<0.5	<0.5	<0.5
Ethyl Methacrylate	N	UG/L		4.60E+01			<1		<1	<1	<1	<1
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00			<0.5		<0.5	<0.5	<0.5	<0.5
Formaldehyde	N	UG/L		4.30E-01			<20		**24 J**	**21 B**	<200	**140**
Iodomethane	N	UG/L					<0.5		<0.5	<0.5	<0.5	<0.5
Isobutyl Alcohol	N	UG/L		5.90E+02			<100		<100	<100	<100	<100
Methacrylonitrile	N	UG/L		1.90E-01			<10		<10	<10	<10	<10
Methyl Bromide	N	UG/L		7.50E-01			<0.5		<0.5	<0.5	<0.5	<0.5

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GW14-MW-20-A	GWRFI-14-MW-20-A	GW14-MW-20-DO	GWRFI-14-MW-20-DO	GWRFI-14-MW-21-A	GWRFI-14-MW-21-DO	GWRFI-14-MW-21-SO
					Sample Name							
					Date Sampled	12/02/2014	11/13/2014	12/02/2014	11/13/2014	11/20/2014	11/17/2014	11/17/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Chloride	N	UG/L		1.90E+01			<0.5		<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone	N	UG/L		5.60E+02			<3		<3	<3	**12**	<3
Methyl Isobutyl Ketone	N	UG/L		1.20E+02			<3		<3	<3	<3	<3
Methyl Methacrylate	N	UG/L		1.40E+02		<1	<1	<1	<1	<1	<1	<1
Methylene Bromide	N	UG/L		8.00E-01			<0.5		<0.5	<0.5	<0.5	<0.5
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01			<2		<2	<2	<2	<2
Pentachloroethane	N	UG/L		6.40E-01			<1		<1	<1	<1	<1
Propionitrile	N	UG/L					<30		<30	<30	<30	<30
Styrene	N	UG/L	1.00E+02	1.20E+02			<1		<1	<1	<1	<1
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00			<0.5		<0.5	<0.5	<0.5	<0.5
Toluene	N	UG/L	1.00E+03	1.10E+02			<0.5		<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01			<0.5		<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	N	UG/L					<0.5		<0.5	<0.5	<0.5	<0.5
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03			<15		<15	<15	<15	<15
Trichloroethene	N	UG/L	5.00E+00	2.80E-01			<0.5		<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	N	UG/L		1.10E+02			<0.5		<0.5	<0.5	<0.5	<0.5
Vinyl Acetate	N	UG/L		4.10E+01			<2		<2	<2	<2	<2
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02			<0.5		<0.5	<0.5	<0.5	<0.5
Xylenes	N	UG/L	1.00E+04	1.90E+01			<0.5		<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds												
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01			<0.5		<0.5	<0.5	<3	<0.5
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01			<0.5		<0.5	<0.5	<3	<0.5
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01			<5		<5	<5	<25	<5
1,3-Dinitrobenzene	N	UG/L		2.00E-01			<2		<2	<2	<10	<2
1,4-Dioxane	N	UG/L		4.60E-01			<1		<1	<1	**20 J**	<1
1,4-Naphthoquinone	N	UG/L					<26 R		<25 R	<25 R	<130 R	<25 R
1-Naphthylamine	N	UG/L					<5		<5	<5	<25	<5
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01			<0.5		<0.5 R	<0.5	<3	<0.5
2,4,5-Trichlorophenol	N	UG/L		1.20E+02			<0.5		<0.5 R	<0.5	<3	<0.5
2,4,6-Trichlorophenol	N	UG/L		1.20E+00			<0.5		<0.5 R	<0.5	<3	<0.5
2,4-Dichlorophenol	N	UG/L		4.60E+00			<0.5		<0.5 R	<0.5	<3	<0.5
2,4-Dimethylphenol	N	UG/L		3.60E+01			<0.5		<0.5 R	<0.5	**7**	<0.5
2,4-Dinitrophenol	N	UG/L		3.90E+00			<10		<10 R	<10	<50	<10
2,4-Dinitrotoluene	N	UG/L		2.40E-01			<1		<1	<1	<5	<1
2,6-Dichlorophenol	N	UG/L					<0.5		<0.5 R	<0.5	<3	<0.5
2,6-Dinitrotoluene	N	UG/L		4.80E-02			<0.5		<0.5	<0.5	<3	<0.5
2-Acetylaminofluorene	N	UG/L		1.60E-02			<2 UJ		<2 UJ	<2	<10	<2
2-Chloronaphthalene	N	UG/L		7.50E+01			<0.4		<0.4	<0.4	<2	<0.4
2-Chlorophenol	N	UG/L		9.10E+00			<0.5		<0.5 R	<0.5	<3	<0.5
2-Methylnaphthalene	N	UG/L		3.60E+00			<0.1		<0.1	<0.1	<0.5	<0.1
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01			<0.5		<0.5 R	<0.5	<3	<0.5

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GW14-MW-20-A	GWRFI-14-MW-20-A	GW14-MW-20-DO	GWRFI-14-MW-20-DO	GWRFI-14-MW-21-A	GWRFI-14-MW-21-DO	GWRFI-14-MW-21-SO
					Sample Name							
					Date Sampled	12/02/2014	11/13/2014	12/02/2014	11/13/2014	11/20/2014	11/17/2014	11/17/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	N	UG/L		3.90E-02			<5		<5	<5	<25	<5
2-Nitroaniline	N	UG/L		1.90E+01			<0.5		<0.5	<0.5	<3	<0.5
2-Nitrophenol	N	UG/L					<0.5		<0.5 R	<0.5	<3	<0.5
2-Picoline	N	UG/L					<2		<2	<2	<10	<2
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01			<2		<2	<2	<10	<2
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03			<26 R		<25 R	<25	<130	<25
3-Methylcholanthrene	N	UG/L		1.10E-03			<0.5		<0.5	<0.5	<3	<0.5
3-Nitroaniline	N	UG/L					<0.5		<0.5	<0.5	<3	<0.5
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01			<5		<5 R	<5	<25	<5
4-Aminobiphenyl	N	UG/L		3.00E-03			<0.5		<0.5	<0.5	<3	<0.5
4-Bromophenyl Phenyl Ether	N	UG/L					<0.5		<0.5	<0.5	<3	<0.5
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02			<0.5		<0.5 R	<0.5	<3	<0.5
4-Chloroaniline	N	UG/L		3.60E-01			<0.5		<0.5	<0.5	<3	<0.5
4-Chlorophenyl Phenyl Ether	N	UG/L					<0.5		<0.5	<0.5	<3	<0.5
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03			<0.5 UJ		<0.5 UJ	<0.5	<3	<0.5
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02			<0.5		<0.5 R	<0.5	<3	<0.5
4-Nitroaniline	N	UG/L		3.80E+00			<0.5		<0.5	<0.5	<3	<0.5
4-Nitrophenol	N	UG/L					<10		<10 R	<10	<50	<10
4-Nitroquinoline-N-Oxide	N	UG/L					<20		<20	<20	<100	<20
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00			<0.5		<0.5	<0.5	<3	<0.5
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04			<0.5		<0.5	<0.5	<3	<0.5
Acenaphthene	N	UG/L		5.30E+01			<0.1		<0.1	<0.1	<0.5	<0.1
Acenaphthylene	N	UG/L		5.30E+01			<0.1		<0.1	<0.1	<0.5	<0.1
Acetophenone	N	UG/L		1.90E+02			<0.5		<0.5	<0.5	<3	<0.5
Aniline	N	UG/L		1.30E+01			<0.5		<0.5	<0.5	<3	<0.5
Anthracene	N	UG/L		1.80E+02			<0.1		<0.1	<0.1	<0.5	<0.1
Benzo(A)Anthracene	N	UG/L		1.20E-02			<0.1		<0.1	<0.1	<0.5	<0.1
Benzo(B)Fluoranthene	N	UG/L		3.40E-02			<0.1		<0.1	**0.2 J**	<0.5	<0.1
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01			<0.1 UJ		<0.1 UJ	**0.2 J**	<0.5	<0.1
Benzo(K)Fluoranthene	N	UG/L		3.40E-01			<0.1		<0.1	**0.1 J**	<0.5	<0.1
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03			<0.1		<0.1	**0.2 J**	<0.5	<0.1
Benzyl Alcohol	N	UG/L		2.00E+02			<10 UJ		<10 R	<10	<50	<10
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00			<0.5		<0.5	<0.5	<3	<0.5
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02			<0.5		<0.5	<0.5	<3	<0.5
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00			<2		<2	<2	<10	<2
Butyl Benzyl Phthalate	N	UG/L		1.60E+01			<2		<2	<2	<10	<2
Chlorobenzilate	N	UG/L		3.10E-01			<3		<3	<3	<15	<3
Chrysene	N	UG/L		3.40E+00			<0.1		<0.1	**0.2 J**	<0.5	<0.1
Diallate	N	UG/L		5.20E-01			<1		<1	<1	<5	<1
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03			<0.1 UJ		<0.1 UJ	<0.1	<0.5	<0.1
Dibenzofuran	N	UG/L		7.90E-01			<0.5		<0.5	<0.5	<3	<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-20-A	MW-20-A	MW-20-DO	MW-20-DO	MW-21-A	MW-21-DO	MW-21-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW14-MW-20-A	GWRFI-14-MW-20-A	GW14-MW-20-DO	GWRFI-14-MW-20-DO	GWRFI-14-MW-21-A	GWRFI-14-MW-21-DO	GWRFI-14-MW-21-SO
					Sample Name							
					Date Sampled	12/02/2014	11/13/2014	12/02/2014	11/13/2014	11/20/2014	11/17/2014	11/17/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Diethyl Phthalate	N	UG/L		1.50E+03			<2		<2	<2	<10	<2
Dimethyl Phthalate	N	UG/L					<2		<2	<2	<10	<2
Di-N-Butyl Phthalate	N	UG/L		9.00E+01			<2		<2	<2	<10	<2
Ethyl Methanesulfonate	N	UG/L					<0.5		<0.5	<0.5	<3	<0.5
Fluoranthene	N	UG/L		8.00E+01			<0.1 UJ		<0.1 UJ	**0.3 J**	<0.5	<0.1
Fluorene	N	UG/L		2.90E+01			<0.1		<0.1	<0.1	<0.5	<0.1
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03			<0.1		<0.1	<0.1	<0.5	<0.1
Hexachlorobutadiene	N	UG/L		1.40E-01			<0.5		<0.5	<0.5	<3	<0.5
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02			<5		<5	<5	<25	<5
Hexachloroethane	N	UG/L		3.30E-01			<1		<1	<1	<5	<1
Hexachloropropylene	N	UG/L					<2		<2	<2	<10	<2
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02			<0.1 UJ		<0.1 UJ	**0.1 J**	<0.5	<0.1
Isodrin	N	UG/L					<0.5		<0.5	<0.5	<3	<0.5
Isophorone	N	UG/L		7.80E+01			<0.5		<0.5	<0.5	<3	<0.5
Isosafrole	N	UG/L					<2		<2	<2	<10	<2
Methapyrilene	N	UG/L					<15 UJ		<15 UJ	<15	<75	<15
Methyl Methanesulfonate	N	UG/L		7.90E-01			<1		<1	<1	<5	<1
Naphthalene	N	UG/L		1.70E-01			<0.1		<0.1	<0.1	<0.5	<0.1
N-Dioctyl Phthalate	N	UG/L		2.00E+01			<2		<2	<2	<10	<2
Nitrobenzene	N	UG/L		1.40E-01			<0.5		<0.5	<0.5	<3	<0.5
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04			<2		<2	<2	<10	<2
N-Nitrosodiethylamine	N	UG/L		1.70E-04			<0.5		<0.5	<0.5	<3	<0.5
N-Nitrosodimethylamine	N	UG/L		1.10E-04			<2		<2	<2	<10	<2
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03			<2		<2	<2	<10	<2
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02			<0.5		<0.5	<0.5	<3	<0.5
N-Nitrosodiphenylamine	N	UG/L		1.20E+01			<0.5		<0.5	<0.5	<3	<0.5
N-Nitrosomorpholine	N	UG/L		1.20E-02			<2		<2	<2	<10	<2
N-Nitrosopiperidine	N	UG/L		8.20E-03			<0.5		<0.5	<0.5	<3	<0.5
N-Nitrosopyrrolidine	N	UG/L		3.70E-02			<0.5		<0.5	<0.5	<3	<0.5
O,O,O-Triethylphosphorothioate	N	UG/L					<2		<2	<2	<10	<2
O-Toluidine	N	UG/L					<0.5		<0.5	<0.5	<3	<0.5
para-Phenylenediamine	N	UG/L		3.80E+02			<77		<76	<76	<380	<76
Pentachlorobenzene	N	UG/L		3.20E-01			<0.5		<0.5	<0.5	<3	<0.5
Pentachloronitrobenzene	N	UG/L		1.20E-01			<2		<2	<2	<10	<2
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02			<1		<1 R	<1	<5	<1
Phenacetin	N	UG/L		3.40E+01			<0.5		<0.5	<0.5	<3	<0.5
Phenanthrene	N	UG/L		1.80E+02			<0.1		<0.1	<0.1	<0.5	<0.1
Phenol	N	UG/L		5.80E+02			<0.5		<0.5 R	<0.5	<3	<0.5
Pyrene	N	UG/L		1.20E+01			<0.1		<0.1	**0.3 J**	<0.5	<0.1
Pyridine	N	UG/L		2.00E+00			<2		<2	<2	<10	<2
Safrole	N	UG/L		9.50E-02			<2		<2	<2	<10	<2

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GW14-MW-20-A	GWRFI-14-MW-20-A	GW14-MW-20-DO	GWRFI-14-MW-20-DO	GWRFI-14-MW-21-A	GWRFI-14-MW-21-DO	GWRFI-14-MW-21-SO
					Sample Name							
					Date Sampled	12/02/2014	11/13/2014	12/02/2014	11/13/2014	11/20/2014	11/17/2014	11/17/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01			<1		<1	<1	<5	<1
Thionazin	N	UG/L					<2		<2	<2	<10	<2
Dimethoate	N	UG/L		4.00E-01			<3		<3	<3	<15	<3
Pronamide	N	UG/L		1.20E+02			<0.5		<0.5	<0.5	<3	<0.5
Bis(2-Chloroisopropyl)Ether	N	UG/L					<0.5		<0.5	<0.5	<3	<0.5

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-22-A	MW-22-DO	MW-22-SO	MW-23-A	MW-23-DO	MW-23-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-22-A	GWRFI-14-MW-22-DO	GWRFI-14-MW-22-SO	GWRFI-14-MW-23-A	GWRFI-14-MW-23-DO	GWRFI-14-MW-23-SO
					Sample Name						
					Date Sampled	11/20/2014	11/20/2014	11/20/2014	11/19/2014	11/19/2014	11/19/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	N	UG/L		2.70E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<2	<2	<2	<2	<2	<2
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01		<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	N	UG/L				<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01		<1	<1	<1	<1	<1	<1
2-Hexanone	N	UG/L		3.80E+00		<3	<3	<3	<3	<3	<3
Acetone	N	UG/L		1.40E+03		<6	<6	<6	<6	<6	<6
Acetonitrile	N	UG/L		1.30E+01		<25	<25	<25	<25	<25	<25
Acrolein	N	UG/L		4.20E-03		<40	<40	<40	<40	<40	<40
Acrylonitrile	N	UG/L		5.20E-02		<4	<4	<4	<4	<4	<4
Allyl Chloride	N	UG/L		2.10E-01		<1	<1	<1	<1	<1	<1
Benzene	N	UG/L	5.00E+00	4.50E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	N	UG/L		1.30E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	N	UG/L		3.30E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide	N	UG/L		8.10E+01		<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	N	UG/L		1.70E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	N	UG/L		2.20E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroprene	N	UG/L		1.90E-02		<1	<1	<1	<1	<1	<1
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	N	UG/L		2.00E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethyl Chloride	N	UG/L		2.10E+03		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethyl Methacrylate	N	UG/L		4.60E+01		<1	<1	<1	<1	<1	<1
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Formaldehyde	N	UG/L		4.30E-01		**22 J**	**23 J**	**59 J**	**31 B**	**40 B**	**27 B**
Iodomethane	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isobutyl Alcohol	N	UG/L		5.90E+02		<100	<100	<100	<100	<100	<100
Methacrylonitrile	N	UG/L		1.90E-01		<10	<10	<10	<10	<10	<10
Methyl Bromide	N	UG/L		7.50E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-22-A	MW-22-DO	MW-22-SO	MW-23-A	MW-23-DO	MW-23-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-22-A	GWRFI-14-MW-22-DO	GWRFI-14-MW-22-SO	GWRFI-14-MW-23-A	GWRFI-14-MW-23-DO	GWRFI-14-MW-23-SO
					Sample Name						
					Date Sampled	11/20/2014	11/20/2014	11/20/2014	11/19/2014	11/19/2014	11/19/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Methyl Chloride	N	UG/L		1.90E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone	N	UG/L		5.60E+02		<3	<3	<3	<3	<3	<3
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<3	<3	<3	<3	<3	<3
Methyl Methacrylate	N	UG/L		1.40E+02		<1	<1	<1	<1	<1	<1
Methylene Bromide	N	UG/L		8.00E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2	<2	<2	<2	<2	<2
Pentachloroethane	N	UG/L		6.40E-01		<1	<1	<1	<1	<1	<1
Propionitrile	N	UG/L				<30	<30	<30	<30	<30	<30
Styrene	N	UG/L	1.00E+02	1.20E+02		<1	<1	<1	<1	<1	<1
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	N	UG/L	1.00E+03	1.10E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<15	<15	<15	<15	<15	<15
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	N	UG/L		1.10E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Acetate	N	UG/L		4.10E+01		<2	<2	<2	<2	<2	<2
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenes	N	UG/L	1.00E+04	1.90E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01		<5	<5	<5	<5	<5	<5
1,3-Dinitrobenzene	N	UG/L		2.00E-01		<2	<2	<2	<2	<2	<2
1,4-Dioxane	N	UG/L		4.60E-01		<1	<1	<1	<1	**3 J**	**1 J**
1,4-Naphthoquinone	N	UG/L				<26 R	<25 R	<25 R	<25 R	<25 R	<25 R
1-Naphthylamine	N	UG/L				<5	<5	<5	<5	<5	<5
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4,5-Trichlorophenol	N	UG/L		1.20E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4,6-Trichlorophenol	N	UG/L		1.20E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dichlorophenol	N	UG/L		4.60E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dimethylphenol	N	UG/L		3.60E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dinitrophenol	N	UG/L		3.90E+00		<10	<10	<10	<10	<10	<10
2,4-Dinitrotoluene	N	UG/L		2.40E-01		<1	<1	<1	<1	<1	<1
2,6-Dichlorophenol	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,6-Dinitrotoluene	N	UG/L		4.80E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Acetylaminofluorene	N	UG/L		1.60E-02		<2	<2	<2	<2	<2	<2
2-Chloronaphthalene	N	UG/L		7.50E+01		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
2-Chlorophenol	N	UG/L		9.10E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Methylnaphthalene	N	UG/L		3.60E+00		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-22-A	MW-22-DO	MW-22-SO	MW-23-A	MW-23-DO	MW-23-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-22-A	GWRFI-14-MW-22-DO	GWRFI-14-MW-22-SO	GWRFI-14-MW-23-A	GWRFI-14-MW-23-DO	GWRFI-14-MW-23-SO
					Sample Name						
					Date Sampled	11/20/2014	11/20/2014	11/20/2014	11/19/2014	11/19/2014	11/19/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
2-Naphthylamine	N	UG/L		3.90E-02		<5	<5	<5	<5	<5	<5
2-Nitroaniline	N	UG/L		1.90E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Nitrophenol	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Picoline	N	UG/L				<2	<2	<2	<2	<2	<2
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01		<2	<2	<2	<2	<2	<2
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03		<26	<25	<25	<25	<25	<25
3-Methylcholanthrene	N	UG/L		1.10E-03		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
3-Nitroaniline	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01		<5	<5	<5	<5	<5	<5
4-Aminobiphenyl	N	UG/L		3.00E-03		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Bromophenyl Phenyl Ether	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Chloroaniline	N	UG/L		3.60E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Chlorophenyl Phenyl Ether	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Nitroaniline	N	UG/L		3.80E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Nitrophenol	N	UG/L				<10	<10	<10	<10	<10	<10
4-Nitroquinoline-N-Oxide	N	UG/L				<21	<20	<20	<20	<20	<20
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthene	N	UG/L		5.30E+01		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	N	UG/L		5.30E+01		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acetophenone	N	UG/L		1.90E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aniline	N	UG/L		1.30E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Anthracene	N	UG/L		1.80E+02		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(A)Anthracene	N	UG/L		1.20E-02		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(B)Fluoranthene	N	UG/L		3.40E-02		<0.1	<0.1	<0.1	<0.1	<0.1	**0.1 J**
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(K)Fluoranthene	N	UG/L		3.40E-01		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzyl Alcohol	N	UG/L		2.00E+02		<10	<10	<10	<10	<10	<10
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00		<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	N	UG/L		1.60E+01		<2	<2	<2	<2	<2	<2
Chlorobenzilate	N	UG/L		3.10E-01		<3	<3	<3	<3	<3	<3
Chrysene	N	UG/L		3.40E+00		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diallate	N	UG/L		5.20E-01		<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzofuran	N	UG/L		7.90E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-22-A	GWRFI-14-MW-22-DO	GWRFI-14-MW-22-SO	GWRFI-14-MW-23-A	GWRFI-14-MW-23-DO	GWRFI-14-MW-23-SO
					Sample Name						
					Date Sampled	11/20/2014	11/20/2014	11/20/2014	11/19/2014	11/19/2014	11/19/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Diethyl Phthalate	N	UG/L		1.50E+03		<2	<2	<2	<2	<2	<2
Dimethyl Phthalate	N	UG/L				<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	N	UG/L		9.00E+01		<2	<2	<2	<2	<2	<2
Ethyl Methanesulfonate	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fluoranthene	N	UG/L		8.00E+01		<0.1	<0.1	<0.1	<0.1	<0.1	**0.1 J**
Fluorene	N	UG/L		2.90E+01		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobutadiene	N	UG/L		1.40E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02		<5	<5	<5	<5	<5	<5
Hexachloroethane	N	UG/L		3.30E-01		<1	<1	<1	<1	<1	<1
Hexachloropropylene	N	UG/L				<2	<2	<2	<2	<2	<2
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isophorone	N	UG/L		7.80E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isosafrole	N	UG/L				<2	<2	<2	<2	<2	<2
Methapyrilene	N	UG/L				<16	<15	<15	<15	<15	<15
Methyl Methanesulfonate	N	UG/L		7.90E-01		<1	<1	<1	<1	<1	<1
Naphthalene	N	UG/L		1.70E-01		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
N-Dioctyl Phthalate	N	UG/L		2.00E+01		<2	<2	<2	<2	<2	<2
Nitrobenzene	N	UG/L		1.40E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04		<2	<2	<2	<2	<2	<2
N-Nitrosodiethylamine	N	UG/L		1.70E-04		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitrosodimethylamine	N	UG/L		1.10E-04		<2	<2	<2	<2	<2	<2
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03		<2	<2	<2	<2	<2	<2
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitrosodiphenylamine	N	UG/L		1.20E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitrosomorpholine	N	UG/L		1.20E-02		<2	<2	<2	<2	<2	<2
N-Nitrosopiperidine	N	UG/L		8.20E-03		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitrosopyrrolidine	N	UG/L		3.70E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
O,O,O-Triethylphosphorothioate	N	UG/L				<2	<2	<2	<2	<2	<2
O-Toluidine	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
para-Phenylenediamine	N	UG/L		3.80E+02		<78	<76	<76	<76	<76	<76
Pentachlorobenzene	N	UG/L		3.20E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Pentachloronitrobenzene	N	UG/L		1.20E-01		<2	<2	<2	<2	<2	<2
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02		<1	<1	<1	<1	<1	<1
Phenacetin	N	UG/L		3.40E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Phenanthrene	N	UG/L		1.80E+02		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol	N	UG/L		5.80E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Pyrene	N	UG/L		1.20E+01		<0.1	<0.1	<0.1	<0.1	<0.1	**0.2 J**
Pyridine	N	UG/L		2.00E+00		<2	<2	<2	<2	<2	<2
Safrole	N	UG/L		9.50E-02		<2	<2	<2	<2	<2	<2

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-22-A	GWRFI-14-MW-22-DO	GWRFI-14-MW-22-SO	GWRFI-14-MW-23-A	GWRFI-14-MW-23-DO	GWRFI-14-MW-23-SO
					Sample Name						
					Date Sampled	11/20/2014	11/20/2014	11/20/2014	11/19/2014	11/19/2014	11/19/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01		<1	<1	<1	<1	<1	<1
Thionazin	N	UG/L				<2	<2	<2	<2	<2	<2
Dimethoate	N	UG/L		4.00E-01		<3	<3	<3	<3	<3	<3
Pronamide	N	UG/L		1.20E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-Chloroisopropyl)Ether	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-24-A	MW-24-DO	MW-24-SO	MW-24-SO	MW-25-SO	MW-25-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-24-A	GWRFI-14-MW-24-DO	GW4Q14-MW-24-SO	GWRFI-14-MW-24-SO	GW4Q14-MW-25-SO	GWRFI-14-MW-25-SO
					Sample Name						
					Date Sampled	12/04/2014	12/04/2014	12/03/2014	12/03/2014	12/03/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<0.5	<0.5		<0.5		<10
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<0.5	<0.5		<0.5		<10
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<0.5	<0.5		<0.5		<10
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<0.5	<0.5		<0.5		<10
1,1-Dichloroethane	N	UG/L		2.70E+00		<0.5	<0.5		<0.5		<10
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<0.5	<0.5		<0.5		<10
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<1	<1		<1		<20
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<2	<2		<2		<40
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<0.5	<0.5	<0.5	<0.5	<10	<10
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01		<1	<1		<1		<20
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<0.5	<0.5		<0.5		<10
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<0.5	<0.5		<0.5		<10
1,3-Dichlorobenzene	N	UG/L				<1	<1		<1		<20
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01		<1	<1		<1		<20
2-Hexanone	N	UG/L		3.80E+00		<3	<3		<3		<60
Acetone	N	UG/L		1.40E+03		<6	<6		**13 J**		<120
Acetonitrile	N	UG/L		1.30E+01		<25	<25		<25		<500
Acrolein	N	UG/L		4.20E-03		<40	<40		<40		<800
Acrylonitrile	N	UG/L		5.20E-02		<4	<4		<4		<80
Allyl Chloride	N	UG/L		2.10E-01		<1	<1		<1		<20
Benzene	N	UG/L	5.00E+00	4.50E-01		<0.5	<0.5	**510**	**540**	**27000**	**27000**
Bromodichloromethane	N	UG/L		1.30E-01		<0.5	<0.5		<0.5		<10
Bromoform	N	UG/L		3.30E+00		<0.5	<0.5		<0.5		<10
Carbon Disulfide	N	UG/L		8.10E+01		<1	<1		<1		<20
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<0.5	<0.5		<0.5		<10
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		<0.5	<0.5		<0.5		<10
Chlorodibromomethane	N	UG/L		1.70E-01		<0.5	<0.5		<0.5		<10
Chloroform	N	UG/L		2.20E-01		<0.5	<0.5		<0.5		<10
Chloroprene	N	UG/L		1.90E-02		<1	<1		<1		<20
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<0.5	<0.5		<0.5		<10
cis-1,3-Dichloropropene	N	UG/L				<0.5	<0.5		<0.5		<10
Dichlorodifluoromethane	N	UG/L		2.00E+01		<0.5	<0.5		<0.5		<10
Ethyl Chloride	N	UG/L		2.10E+03		<0.5 UJ	<0.5 UJ		<0.5 UJ		<10 UJ
Ethyl Methacrylate	N	UG/L		4.60E+01		<1	<1		<1		<20
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<0.5	<0.5	**180**	**150**	**600**	**540**
Formaldehyde	N	UG/L		4.30E-01		**48 J**	**46 J**		**1700 J**		**1100 J**
Iodomethane	N	UG/L				<0.5	<0.5		<0.5		<10
Isobutyl Alcohol	N	UG/L		5.90E+02		<100	<100		<100		<2000
Methacrylonitrile	N	UG/L		1.90E-01		<10	<10		<10		<200
Methyl Bromide	N	UG/L		7.50E-01		<0.5	<0.5		<0.5		<10

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-24-A	GWRFI-14-MW-24-DO	GW4Q14-MW-24-SO	GWRFI-14-MW-24-SO	GW4Q14-MW-25-SO	GWRFI-14-MW-25-SO
					Sample Name						
					Date Sampled	12/04/2014	12/04/2014	12/03/2014	12/03/2014	12/03/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Methyl Chloride	N	UG/L		1.90E+01		<0.5	<0.5		<0.5		<10
Methyl Ethyl Ketone	N	UG/L		5.60E+02		<3	<3		**6 J**		<60
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<3	<3		<3		<60
Methyl Methacrylate	N	UG/L		1.40E+02		<1	<1		<1		<20
Methylene Bromide	N	UG/L		8.00E-01		<0.5	<0.5		<0.5		<10
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2	<2	<2	<2	<40	<40
Pentachloroethane	N	UG/L		6.40E-01		<1	<1		<1		<20
Propionitrile	N	UG/L				<30	<30		<30		<600
Styrene	N	UG/L	1.00E+02	1.20E+02		<1	<1		<1		<20
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<0.5	<0.5		<0.5		<10
Toluene	N	UG/L	1.00E+03	1.10E+02		<0.5	<0.5	**0.9 J**	**1**	<10	<10
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<0.5	<0.5		<0.5		<10
trans-1,3-Dichloropropene	N	UG/L				<0.5	<0.5		<0.5		<10
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<15	<15		<15		<300
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<0.5	<0.5		<0.5		<10
Trichlorofluoromethane	N	UG/L		1.10E+02		<0.5	<0.5		<0.5		<10
Vinyl Acetate	N	UG/L		4.10E+01		<2	<2		<2		<40
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<0.5	<0.5		<0.5		<10
Xylenes	N	UG/L	1.00E+04	1.90E+01		**0.9 J**	<0.5	**22**	**18**	**420**	**410**
Semivolatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01		<0.5	<0.5		<0.5		<0.6
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01		<0.5	<0.5		<0.5		<0.6
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01		<5	<5		<5		<6
1,3-Dinitrobenzene	N	UG/L		2.00E-01		<2	<2		<2		<2
1,4-Dioxane	N	UG/L		4.60E-01		**2 J**	**14**		<1		**4 J**
1,4-Naphthoquinone	N	UG/L				<26	<25		<25		<31
1-Naphthylamine	N	UG/L				<5	<5		<5		<6
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01		<0.5	<0.5		<0.5		<0.6
2,4,5-Trichlorophenol	N	UG/L		1.20E+02		<0.5	<0.5		<0.5		<0.6
2,4,6-Trichlorophenol	N	UG/L		1.20E+00		<0.5	<0.5		<0.5		<0.6
2,4-Dichlorophenol	N	UG/L		4.60E+00		<0.5	<0.5		<0.5		<0.6
2,4-Dimethylphenol	N	UG/L		3.60E+01		<0.5	<0.5		**5**		**0.9 J**
2,4-Dinitrophenol	N	UG/L		3.90E+00		<10	<10		<10		<12
2,4-Dinitrotoluene	N	UG/L		2.40E-01		<1 UJ	<1 UJ		<1 UJ		<1 UJ
2,6-Dichlorophenol	N	UG/L				<0.5	<0.5		<0.5		<0.6
2,6-Dinitrotoluene	N	UG/L		4.80E-02		<0.5	<0.5		<0.5		<0.6
2-Acetylaminofluorene	N	UG/L		1.60E-02		<2 UJ	<2 UJ		<2 UJ		<2 UJ
2-Chloronaphthalene	N	UG/L		7.50E+01		<0.4	<0.4		<0.4		<0.5
2-Chlorophenol	N	UG/L		9.10E+00		<0.5	<0.5		<0.5		<0.6
2-Methylnaphthalene	N	UG/L		3.60E+00		<0.1 UJ	<0.1 UJ		**25 J**		**67 J**
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01		<0.5	<0.5		**13**		**18**

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-24-A	GWRFI-14-MW-24-DO	GW4Q14-MW-24-SO	GWRFI-14-MW-24-SO	GW4Q14-MW-25-SO	GWRFI-14-MW-25-SO
					Sample Name						
					Date Sampled	12/04/2014	12/04/2014	12/03/2014	12/03/2014	12/03/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
2-Naphthylamine	N	UG/L		3.90E-02		<5	<5		<5		<6
2-Nitroaniline	N	UG/L		1.90E+01		<0.5 UJ	<0.5 UJ		<0.5 UJ		<0.6 UJ
2-Nitrophenol	N	UG/L				**0.8 J**	<0.5		<0.5		<0.6
2-Picoline	N	UG/L				<2	<2		**17**		**75**
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01		<2	<2		<2		<2
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03		<26	<25		<25		<31
3-Methylcholanthrene	N	UG/L		1.10E-03		<0.5 UJ	<0.5 UJ		<0.5 UJ		<0.6 UJ
3-Nitroaniline	N	UG/L				<0.5 UJ	<0.5 UJ		<0.5 UJ		<0.6 UJ
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01		<5	<5		<5		<6
4-Aminobiphenyl	N	UG/L		3.00E-03		<0.5	<0.5		<0.5		<0.6
4-Bromophenyl Phenyl Ether	N	UG/L				<0.5	<0.5		<0.5		<0.6
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02		<0.5	<0.5		<0.5		<0.6
4-Chloroaniline	N	UG/L		3.60E-01		<0.5 UJ	<0.5 UJ		<0.5 UJ		<0.6 UJ
4-Chlorophenyl Phenyl Ether	N	UG/L				<0.5	<0.5		<0.5		<0.6
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03		<0.5 UJ	<0.5 UJ		<0.5 UJ		<0.6 UJ
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02		<0.5	<0.5		**2**		**3**
4-Nitroaniline	N	UG/L		3.80E+00		<0.5	<0.5		<0.5		<0.6
4-Nitrophenol	N	UG/L				<10	<10		<10		<12
4-Nitroquinoline-N-Oxide	N	UG/L				<21	<20		<20		<25
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00		<0.5	<0.5		<0.5		<0.6
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04		<0.5	<0.5		<0.5		<0.6
Acenaphthene	N	UG/L		5.30E+01		**0.3 J**	<0.1		**9**		**18**
Acenaphthylene	N	UG/L		5.30E+01		<0.1 UJ	<0.1 UJ		**0.8 J**		**0.5 J**
Acetophenone	N	UG/L		1.90E+02		<0.5	<0.5		**1**		**11**
Aniline	N	UG/L		1.30E+01		<0.5	<0.5		<0.5		<0.6
Anthracene	N	UG/L		1.80E+02		<0.1	<0.1		**0.6**		**0.2 J**
Benzo(A)Anthracene	N	UG/L		1.20E-02		<0.1	<0.1		**0.3 J**		<0.1
Benzo(B)Fluoranthene	N	UG/L		3.40E-02		<0.1	<0.1		**0.6**		<0.1
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01		<0.1	<0.1		**0.3 J**		<0.1
Benzo(K)Fluoranthene	N	UG/L		3.40E-01		<0.1	<0.1		**0.2 J**		<0.1
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03		<0.1	<0.1		**0.3 J**		<0.1
Benzyl Alcohol	N	UG/L		2.00E+02		<10	<10		<10		<12
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00		<0.5	<0.5		<0.5		<0.6
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02		<0.5	<0.5		<0.5		<0.6
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00		<2	<2		<2		<2
Butyl Benzyl Phthalate	N	UG/L		1.60E+01		<2	<2		<2		<2
Chlorobenzilate	N	UG/L		3.10E-01		<3	<3		<3		<4
Chrysene	N	UG/L		3.40E+00		<0.1	<0.1		**0.4 J**		<0.1
Diallate	N	UG/L		5.20E-01		<1	<1		<1		<1
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03		<0.1	<0.1		<0.1		<0.1
Dibenzofuran	N	UG/L		7.90E-01		<0.5	<0.5		**2**		**3**

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-24-A	GWRFI-14-MW-24-DO	GW4Q14-MW-24-SO	GWRFI-14-MW-24-SO	GW4Q14-MW-25-SO	GWRFI-14-MW-25-SO
					Sample Name						
					Date Sampled	12/04/2014	12/04/2014	12/03/2014	12/03/2014	12/03/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Diethyl Phthalate	N	UG/L		1.50E+03		<2	<2		<2		<2
Dimethyl Phthalate	N	UG/L				<2	<2		<2		<2
Di-N-Butyl Phthalate	N	UG/L		9.00E+01		<2	<2		<2		<2
Ethyl Methanesulfonate	N	UG/L				<0.5	<0.5		<0.5		<0.6
Fluoranthene	N	UG/L		8.00E+01		<0.1	<0.1		**0.7**		**0.2 J**
Fluorene	N	UG/L		2.90E+01		<0.1	<0.1		**0.7**		**1**
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03		<0.1	<0.1		<0.1		<0.1
Hexachlorobutadiene	N	UG/L		1.40E-01		<0.5	<0.5		<0.5		<0.6
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02		<5	<5		<5		<6
Hexachloroethane	N	UG/L		3.30E-01		<1	<1		<1		<1
Hexachloropropylene	N	UG/L				<2	<2		<2		<2
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02		<0.1	<0.1		**0.3 J**		<0.1
Isodrin	N	UG/L				<0.5	<0.5		<0.5		<0.6
Isophorone	N	UG/L		7.80E+01		<0.5	<0.5		<0.5		<0.6
Isosafrole	N	UG/L				<2	<2		<2		<2
Methapyrilene	N	UG/L				<15	<15		<15		<19
Methyl Methanesulfonate	N	UG/L		7.90E-01		<1	<1		<1		<1
Naphthalene	N	UG/L		1.70E-01		**0.1 J**	<0.1	**790**	**670**	**3600**	**4500**
N-Dioctyl Phthalate	N	UG/L		2.00E+01		<2	<2		<2		<2
Nitrobenzene	N	UG/L		1.40E-01		<0.5	<0.5		<0.5		<0.6
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04		<2	<2		<2		<2
N-Nitrosodiethylamine	N	UG/L		1.70E-04		<0.5	<0.5		<0.5		<0.6
N-Nitrosodimethylamine	N	UG/L		1.10E-04		<2	<2		<2		<2
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03		<2	<2		<2		<2
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02		<0.5	<0.5		<0.5		<0.6
N-Nitrosodiphenylamine	N	UG/L		1.20E+01		<0.5	<0.5		<0.5		<0.6
N-Nitrosomorpholine	N	UG/L		1.20E-02		<2	<2		<2		<2
N-Nitrosopiperidine	N	UG/L		8.20E-03		<0.5 UJ	<0.5 UJ		<0.5 UJ		<0.6 UJ
N-Nitrosopyrrolidine	N	UG/L		3.70E-02		<0.5	<0.5		<0.5		<0.6
O,O,O-Triethylphosphorothioate	N	UG/L				<2 UJ	<2 UJ		<2 UJ		<2 UJ
O-Toluidine	N	UG/L				<0.5	<0.5		<0.5		<0.6
para-Phenylenediamine	N	UG/L		3.80E+02		<77	<76		<76		<93
Pentachlorobenzene	N	UG/L		3.20E-01		<0.5	<0.5		<0.5		<0.6
Pentachloronitrobenzene	N	UG/L		1.20E-01		<2	<2		<2		<2
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02		<1	<1		<1		<1
Phenacetin	N	UG/L		3.40E+01		<0.5	<0.5		<0.5		<0.6
Phenanthrene	N	UG/L		1.80E+02		<0.1	<0.1		**1**		**2**
Phenol	N	UG/L		5.80E+02		<0.5	<0.5		**4**		**540**
Pyrene	N	UG/L		1.20E+01		<0.1	<0.1		**0.9**		**0.1 J**
Pyridine	N	UG/L		2.00E+00		<2	<2		<2		<2
Safrole	N	UG/L		9.50E-02		<2 UJ	<2 UJ		<2 UJ		<2 UJ

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-24-A	MW-24-DO	MW-24-SO	MW-24-SO	MW-25-SO	MW-25-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-24-A	GWRFI-14-MW-24-DO	GW4Q14-MW-24-SO	GWRFI-14-MW-24-SO	GW4Q14-MW-25-SO	GWRFI-14-MW-25-SO
					Sample Name						
					Date Sampled	12/04/2014	12/04/2014	12/03/2014	12/03/2014	12/03/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01		<1	<1		<1		<1
Thionazin	N	UG/L				<2	<2		<2		<2
Dimethoate	N	UG/L		4.00E-01		<3	<3		<3		<4
Pronamide	N	UG/L		1.20E+02		<0.5	<0.5		<0.5		<0.6
Bis(2-Chloroisopropyl)Ether	N	UG/L				<0.5	<0.5		<0.5		<0.6

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-26-SO	MW-27-DO	MW-27-SO	MW-29-DO	MW-30-SO	MW-31-DO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-26-SO	GWRFI-14-MW-27-DO	GWRFI-14-MW-27-SO	GWRFI-14-MW-29-DO	GWRFI-14-MW-30-SO	GWRFI-14-MW-31-DO
					Sample Name						
					Date Sampled	12/04/2014	11/17/2014	11/17/2014	11/17/2014	11/20/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	N	UG/L		2.70E+00		<0.5	<0.5	<0.5	**9**	<0.5	**2**
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<0.5	<0.5	<0.5	**16**	<0.5	**1**
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<2	<2	<2	<2	<2	<2
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01		<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<0.5	<0.5	<0.5	**2**	<0.5	**6**
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	N	UG/L				<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01		<1	<1	<1	<1	<1	<1
2-Hexanone	N	UG/L		3.80E+00		<3	<3	<3	<3	<3	<3
Acetone	N	UG/L		1.40E+03		<6	<6	<6	<6	<6	<6
Acetonitrile	N	UG/L		1.30E+01		<25	<25	<25	<25	<25	<25
Acrolein	N	UG/L		4.20E-03		<40	<40	<40	<40	<40	<40
Acrylonitrile	N	UG/L		5.20E-02		<4	<4	<4	<4	<4	<4
Allyl Chloride	N	UG/L		2.10E-01		<1	<1	<1	<1	<1	<1
Benzene	N	UG/L	5.00E+00	4.50E-01		<0.5	**1**	<0.5	<0.5	<0.5	**1**
Bromodichloromethane	N	UG/L		1.30E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	N	UG/L		3.30E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide	N	UG/L		8.10E+01		<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	N	UG/L		1.70E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	N	UG/L		2.20E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroprene	N	UG/L		1.90E-02		<1	<1	<1	<1	<1	<1
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<0.5	<0.5	<0.5	**8**	<0.5	<0.5
cis-1,3-Dichloropropene	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	N	UG/L		2.00E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethyl Chloride	N	UG/L		2.10E+03		<0.5 UJ	<0.5	<0.5	<0.5	<0.5	<0.5
Ethyl Methacrylate	N	UG/L		4.60E+01		<1	<1	<1	<1	<1	<1
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Formaldehyde	N	UG/L		4.30E-01		**66 J**	**34 J**	**59**	**70**	<20	**29 J**
Iodomethane	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isobutyl Alcohol	N	UG/L		5.90E+02		<100	<100	<100	<100	<100	<100
Methacrylonitrile	N	UG/L		1.90E-01		<10	<10	<10	<10	<10	<10
Methyl Bromide	N	UG/L		7.50E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-26-SO	MW-27-DO	MW-27-SO	MW-29-DO	MW-30-SO	MW-31-DO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-26-SO	GWRFI-14-MW-27-DO	GWRFI-14-MW-27-SO	GWRFI-14-MW-29-DO	GWRFI-14-MW-30-SO	GWRFI-14-MW-31-DO
					Sample Name						
					Date Sampled	12/04/2014	11/17/2014	11/17/2014	11/17/2014	11/20/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Methyl Chloride	N	UG/L		1.90E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone	N	UG/L		5.60E+02		<3	<3	<3	<3	<3	<3
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<3	<3	<3	<3	<3	<3
Methyl Methacrylate	N	UG/L		1.40E+02		<1	<1	<1	<1	<1	<1
Methylene Bromide	N	UG/L		8.00E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2	<2	<2	<2	<2	<2
Pentachloroethane	N	UG/L		6.40E-01		<1	<1	<1	<1	<1	<1
Propionitrile	N	UG/L				<30	<30	<30	<30	<30	<30
Styrene	N	UG/L	1.00E+02	1.20E+02		<1	<1	<1	<1	<1	<1
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	N	UG/L	1.00E+03	1.10E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<0.5	<0.5	<0.5	**0.6 J**	<0.5	<0.5
trans-1,3-Dichloropropene	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<15	<15	<15	<15	<15	<15
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<0.5	<0.5	<0.5	**4**	<0.5	<0.5
Trichlorofluoromethane	N	UG/L		1.10E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Acetate	N	UG/L		4.10E+01		<2	<2	<2	<2	<2	<2
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<0.5	<0.5	<0.5	**4**	<0.5	**0.5 J**
Xylenes	N	UG/L	1.00E+04	1.90E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01		<5	<5	<5	<5	<5	<5
1,3-Dinitrobenzene	N	UG/L		2.00E-01		<2	<2	<2	<2	<2	<2
1,4-Dioxane	N	UG/L		4.60E-01		<1	**17**	<1	**130**	<1	**6**
1,4-Naphthoquinone	N	UG/L				<25	<25 R	<25 R	<25 R	<25 R	<27
1-Naphthylamine	N	UG/L				<5	<5	<5	<5	<5	<5
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4,5-Trichlorophenol	N	UG/L		1.20E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4,6-Trichlorophenol	N	UG/L		1.20E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dichlorophenol	N	UG/L		4.60E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dimethylphenol	N	UG/L		3.60E+01		<0.5	**7**	<0.5	<0.5	<0.5	<0.5
2,4-Dinitrophenol	N	UG/L		3.90E+00		<10	<10	<10	<10	<10	<11
2,4-Dinitrotoluene	N	UG/L		2.40E-01		<1 UJ	<1	<1	<1	<1	<1 UJ
2,6-Dichlorophenol	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,6-Dinitrotoluene	N	UG/L		4.80E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Acetylaminofluorene	N	UG/L		1.60E-02		<2 UJ	<2	<2	<2	<2	<2
2-Chloronaphthalene	N	UG/L		7.50E+01		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
2-Chlorophenol	N	UG/L		9.10E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Methylnaphthalene	N	UG/L		3.60E+00		<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-26-SO	MW-27-DO	MW-27-SO	MW-29-DO	MW-30-SO	MW-31-DO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-26-SO	GWRFI-14-MW-27-DO	GWRFI-14-MW-27-SO	GWRFI-14-MW-29-DO	GWRFI-14-MW-30-SO	GWRFI-14-MW-31-DO
					Sample Name						
					Date Sampled	12/04/2014	11/17/2014	11/17/2014	11/17/2014	11/20/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
2-Naphthylamine	N	UG/L		3.90E-02		<5	<5	<5	<5	<5	<5
2-Nitroaniline	N	UG/L		1.90E+01		<0.5 UJ	<0.5	<0.5	<0.5	<0.5	<0.5
2-Nitrophenol	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Picoline	N	UG/L				<2	<2	<2	<2	<2	<2
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01		<2	<2	<2	<2	<2	<2
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03		<25	<25	<25	<25	<25	<27
3-Methylcholanthrene	N	UG/L		1.10E-03		<0.5 UJ	<0.5	<0.5	<0.5	<0.5	<0.5
3-Nitroaniline	N	UG/L				<0.5 UJ	<0.5	<0.5	<0.5	<0.5	<0.5
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01		<5	<5	<5	<5	<5	<5
4-Aminobiphenyl	N	UG/L		3.00E-03		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Bromophenyl Phenyl Ether	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Chloroaniline	N	UG/L		3.60E-01		<0.5 UJ	<0.5	<0.5	<0.5	<0.5	<0.5
4-Chlorophenyl Phenyl Ether	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03		<0.5 UJ	<0.5	<0.5	<0.5	<0.5	<0.5
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Nitroaniline	N	UG/L		3.80E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Nitrophenol	N	UG/L				<10	<10	<10	<10	<10	<11
4-Nitroquinoline-N-Oxide	N	UG/L				<20	<20	<20	<20	<20	<22
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthene	N	UG/L		5.30E+01		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	N	UG/L		5.30E+01		<0.1 UJ	<0.1	<0.1	<0.1	<0.1	<0.1
Acetophenone	N	UG/L		1.90E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aniline	N	UG/L		1.30E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Anthracene	N	UG/L		1.80E+02		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(A)Anthracene	N	UG/L		1.20E-02		**0.1 J**	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(B)Fluoranthene	N	UG/L		3.40E-02		**0.2 J**	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01		**0.1 J**	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(K)Fluoranthene	N	UG/L		3.40E-01		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03		**0.1 J**	<0.1	<0.1	<0.1	<0.1	<0.1
Benzyl Alcohol	N	UG/L		2.00E+02		<10	<10	<10	<10	<10	<11
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00		<2	<2	<2	<2	<2	<2
Butyl Benzyl Phthalate	N	UG/L		1.60E+01		<2	<2	<2	<2	<2	<2
Chlorobenzilate	N	UG/L		3.10E-01		<3	<3	<3	<3	<3	<3
Chrysene	N	UG/L		3.40E+00		**0.1 J**	<0.1	<0.1	<0.1	<0.1	<0.1
Diallate	N	UG/L		5.20E-01		<1	<1	<1	<1	<1	<1
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzofuran	N	UG/L		7.90E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-26-SO	GWRFI-14-MW-27-DO	GWRFI-14-MW-27-SO	GWRFI-14-MW-29-DO	GWRFI-14-MW-30-SO	GWRFI-14-MW-31-DO
					Sample Name						
					Date Sampled	12/04/2014	11/17/2014	11/17/2014	11/17/2014	11/20/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Diethyl Phthalate	N	UG/L		1.50E+03		<2	<2	<2	<2	<2	<2
Dimethyl Phthalate	N	UG/L				<2	<2	<2	<2	<2	<2
Di-N-Butyl Phthalate	N	UG/L		9.00E+01		<2	<2	<2	<2	<2	<2
Ethyl Methanesulfonate	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fluoranthene	N	UG/L		8.00E+01		**0.2 J**	<0.1	<0.1	<0.1	<0.1	**0.3 J**
Fluorene	N	UG/L		2.90E+01		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobutadiene	N	UG/L		1.40E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02		<5	<5	<5	<5	<5	<5
Hexachloroethane	N	UG/L		3.30E-01		<1	<1	<1	<1	<1	<1
Hexachloropropylene	N	UG/L				<2	<2	<2	<2	<2	<2 UJ
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02		**0.1 J**	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isophorone	N	UG/L		7.80E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isosafrole	N	UG/L				<2	<2	<2	<2	<2	<2
Methapyrilene	N	UG/L				<15	<15	<15	<15	<15	<16
Methyl Methanesulfonate	N	UG/L		7.90E-01		<1	<1	<1	<1	<1	<1
Naphthalene	N	UG/L		1.70E-01		**0.3 J**	<0.1	<0.1	<0.1	<0.1	<0.1
N-Dioctyl Phthalate	N	UG/L		2.00E+01		<2	<2	<2	<2	<2	<2
Nitrobenzene	N	UG/L		1.40E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04		<2	<2	<2	<2	<2	<2
N-Nitrosodiethylamine	N	UG/L		1.70E-04		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitrosodimethylamine	N	UG/L		1.10E-04		<2	<2	<2	<2	<2	<2
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03		<2	<2	<2	<2	<2	<2
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitrosodiphenylamine	N	UG/L		1.20E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitrosomorpholine	N	UG/L		1.20E-02		<2	<2	<2	<2	<2	<2
N-Nitrosopiperidine	N	UG/L		8.20E-03		<0.5 UJ	<0.5	<0.5	<0.5	<0.5	<0.5
N-Nitrosopyrrolidine	N	UG/L		3.70E-02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
O,O,O-Triethylphosphorothioate	N	UG/L				<2 UJ	<2	<2	<2	<2	<2
O-Toluidine	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
para-Phenylenediamine	N	UG/L		3.80E+02		<76	<76	<76	<76	<76	<81
Pentachlorobenzene	N	UG/L		3.20E-01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Pentachloronitrobenzene	N	UG/L		1.20E-01		<2	<2	<2	<2	<2	<2
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02		<1	<1	<1	<1	<1	<1
Phenacetin	N	UG/L		3.40E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Phenanthrene	N	UG/L		1.80E+02		**0.1 J**	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol	N	UG/L		5.80E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Pyrene	N	UG/L		1.20E+01		**0.2 J**	<0.1	<0.1	<0.1	<0.1	**0.3 J**
Pyridine	N	UG/L		2.00E+00		<2	<2	<2	<2	<2	<2
Safrole	N	UG/L		9.50E-02		<2 UJ	<2	<2	<2	<2	<2

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-26-SO	MW-27-DO	MW-27-SO	MW-29-DO	MW-30-SO	MW-31-DO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-26-SO	GWRFI-14-MW-27-DO	GWRFI-14-MW-27-SO	GWRFI-14-MW-29-DO	GWRFI-14-MW-30-SO	GWRFI-14-MW-31-DO
					Sample Name						
					Date Sampled	12/04/2014	11/17/2014	11/17/2014	11/17/2014	11/20/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01		<1	<1	<1	<1	<1	<1
Thionazin	N	UG/L				<2	<2	<2	<2	<2	<2
Dimethoate	N	UG/L		4.00E-01		<3	<3	<3	<3	<3	<3
Pronamide	N	UG/L		1.20E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-Chloroisopropyl)Ether	N	UG/L				<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-31-SO	MW-31-SO	MW-32-DO	MW-35-DO	MW-35-DO	MW-36-SO	MW-36-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-31-SO	GWRFI-14-MW-31-SO	GWRFI-14-MW-32-DO	GW14-MW-35-DO	GWRFI-14-MW-35-DO	GW4Q14-MW-36	GWRFI-14-MW-36-SO
					Sample Name							
					Date Sampled	12/10/2014	12/10/2014	11/17/2014	12/02/2014	11/13/2014	12/03/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01			<50	<0.5		<0.5		<0.5
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02			<50	<0.5		<0.5		<0.5
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02			<50	<0.5		<0.5		<0.5
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02			<50	<0.5		<0.5		<0.5
1,1-Dichloroethane	N	UG/L		2.70E+00			<50	**2**		**2**		<0.5
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01			<50	**2**		<0.5		<0.5
1,2,3-Trichloropropane	N	UG/L		7.50E-04			<100	<1		<1		<1
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04			<200	<2		<2		<2
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<100	<50	<0.5		<0.5	<0.5	<0.5
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01			<100	<1		<1		<1
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01			<50	<0.5		**2**		<0.5
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01			<50	<0.5		<0.5		<0.5
1,3-Dichlorobenzene	N	UG/L					<100	<1		<1		<1
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01			<100	<1		<1		<1
2-Hexanone	N	UG/L		3.80E+00			<300	<3		<3		<3
Acetone	N	UG/L		1.40E+03			<600	<6		<6		<6
Acetonitrile	N	UG/L		1.30E+01			<2500	<25		<25		<25
Acrolein	N	UG/L		4.20E-03			<4000	<40		<40		<40 UL
Acrylonitrile	N	UG/L		5.20E-02			<400	<4		<4		<4
Allyl Chloride	N	UG/L		2.10E-01			<100	<1		<1		<1
Benzene	N	UG/L	5.00E+00	4.50E-01		**170000**	**190000**	<0.5		<0.5	**200**	**26**
Bromodichloromethane	N	UG/L		1.30E-01			<50	<0.5		<0.5		<0.5
Bromoform	N	UG/L		3.30E+00			<50	<0.5		<0.5		<0.5
Carbon Disulfide	N	UG/L		8.10E+01			<100	<1		<1		<1
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01			<50	<0.5		<0.5		<0.5
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00			<50	<0.5		<0.5		<0.5
Chlorodibromomethane	N	UG/L		1.70E-01			<50	<0.5		<0.5		<0.5
Chloroform	N	UG/L		2.20E-01			<50	<0.5		<0.5		<0.5
Chloroprene	N	UG/L		1.90E-02			<100	<1		<1		<1
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00			<50	**2**		<0.5		<0.5
cis-1,3-Dichloropropene	N	UG/L					<50	<0.5		<0.5		<0.5
Dichlorodifluoromethane	N	UG/L		2.00E+01			<50	<0.5		<0.5		<0.5 UL
Ethyl Chloride	N	UG/L		2.10E+03			<50	<0.5		<0.5		<0.5 UL
Ethyl Methacrylate	N	UG/L		4.60E+01			<100	<1		<1		<1
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		**280**	**310**	<0.5		<0.5	**2**	**1**
Formaldehyde	N	UG/L		4.30E-01			**260 J**	**48 J**		**52**		**21 J**
Iodomethane	N	UG/L					<50	<0.5		<0.5		<0.5
Isobutyl Alcohol	N	UG/L		5.90E+02			<10000	<100		<100		<100
Methacrylonitrile	N	UG/L		1.90E-01			<1000	<10		<10		<10
Methyl Bromide	N	UG/L		7.50E-01			<50	<0.5		<0.5		<0.5 UL

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-31-SO	GWRFI-14-MW-31-SO	GWRFI-14-MW-32-DO	GW14-MW-35-DO	GWRFI-14-MW-35-DO	GW4Q14-MW-36	GWRFI-14-MW-36-SO
					Sample Name							
					Date Sampled	12/10/2014	12/10/2014	11/17/2014	12/02/2014	11/13/2014	12/03/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Chloride	N	UG/L		1.90E+01			<50	<0.5		<0.5		<0.5 UL
Methyl Ethyl Ketone	N	UG/L		5.60E+02			<300	<3		<3		<3
Methyl Isobutyl Ketone	N	UG/L		1.20E+02			<300	<3		<3		<3
Methyl Methacrylate	N	UG/L		1.40E+02			<100	<1	<1	<1		<1
Methylene Bromide	N	UG/L		8.00E-01			<50	<0.5		<0.5		<0.5
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<400	<200	<2		<2	<2	<2
Pentachloroethane	N	UG/L		6.40E-01			<100	<1		<1		<1
Propionitrile	N	UG/L					<3000	<30		<30		<30
Styrene	N	UG/L	1.00E+02	1.20E+02			<100	<1		<1		<1
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00			<50	<0.5		<0.5		<0.5
Toluene	N	UG/L	1.00E+03	1.10E+02		**1300**	**1500**	<0.5		<0.5	**5**	**1**
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01			<50	<0.5		<0.5		<0.5
trans-1,3-Dichloropropene	N	UG/L					<50	<0.5		<0.5		<0.5
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03			<1500	<15		<15		<15
Trichloroethene	N	UG/L	5.00E+00	2.80E-01			<50	**4**		<0.5		<0.5
Trichlorofluoromethane	N	UG/L		1.10E+02			<50	<0.5		<0.5		<0.5
Vinyl Acetate	N	UG/L		4.10E+01			<200	<2		<2		<2 UL
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02			<50	**2**		**1**		<0.5
Xylenes	N	UG/L	1.00E+04	1.90E+01		**290**	**470**	<0.5		<0.5	**4**	**3**
Semivolatile Organic Compounds												
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01			<0.6	<0.5		<0.5		<0.5
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01			<0.6	<0.5		<0.5		<0.5
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01			<6	<5		<5		<5
1,3-Dinitrobenzene	N	UG/L		2.00E-01			<2	<2		<2		<2
1,4-Dioxane	N	UG/L		4.60E-01			**2 J**	**20**		<1		<1
1,4-Naphthoquinone	N	UG/L					<28	<26 R		<25 R		<25
1-Naphthylamine	N	UG/L					<6	<5		<5		<5
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01			<0.6	<0.5		<0.5 R		<0.5
2,4,5-Trichlorophenol	N	UG/L		1.20E+02			<0.6	<0.5		<0.5 R		<0.5
2,4,6-Trichlorophenol	N	UG/L		1.20E+00			<0.6	<0.5		<0.5 R		<0.5
2,4-Dichlorophenol	N	UG/L		4.60E+00			<0.6	<0.5		<0.5 R		<0.5
2,4-Dimethylphenol	N	UG/L		3.60E+01			**160**	<0.5		<0.5 R		<0.5
2,4-Dinitrophenol	N	UG/L		3.90E+00			<11	<10		<10 R		<10
2,4-Dinitrotoluene	N	UG/L		2.40E-01			<1 UJ	<1		<1		<1
2,6-Dichlorophenol	N	UG/L					<0.6	<0.5		<0.5 R		<0.5
2,6-Dinitrotoluene	N	UG/L		4.80E-02			<0.6	<0.5		<0.5		<0.5
2-Acetylaminofluorene	N	UG/L		1.60E-02			<2	<2		<2 UJ		<2 UL
2-Chloronaphthalene	N	UG/L		7.50E+01			<0.5	<0.4		<0.4		<0.4
2-Chlorophenol	N	UG/L		9.10E+00			<0.6	<0.5		<0.5 R		<0.5
2-Methylnaphthalene	N	UG/L		3.60E+00			**5**	<0.1		<0.1		<0.1
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01			**280**	<0.5		<0.5 R		<0.5

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-31-SO	GWRFI-14-MW-31-SO	GWRFI-14-MW-32-DO	GW14-MW-35-DO	GWRFI-14-MW-35-DO	GW4Q14-MW-36	GWRFI-14-MW-36-SO
					Sample Name							
					Date Sampled	12/10/2014	12/10/2014	11/17/2014	12/02/2014	11/13/2014	12/03/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	N	UG/L		3.90E-02			<6	<5		<5		<5
2-Nitroaniline	N	UG/L		1.90E+01			<0.6	<0.5		<0.5		<0.5
2-Nitrophenol	N	UG/L					<0.6	<0.5		<0.5 R		<0.5
2-Picoline	N	UG/L					<2	<2		<2		<2
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01			<2	<2		<2		<2
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03			<28	<26		<25 R		<25
3-Methylcholanthrene	N	UG/L		1.10E-03			<0.6	<0.5		<0.5		<0.5
3-Nitroaniline	N	UG/L					<0.6	<0.5		<0.5		<0.5
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01			<6	<5		<5 R		<5
4-Aminobiphenyl	N	UG/L		3.00E-03			<0.6	<0.5		<0.5		<0.5
4-Bromophenyl Phenyl Ether	N	UG/L					<0.6	<0.5		<0.5		<0.5
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02			<0.6	<0.5		<0.5 R		<0.5
4-Chloroaniline	N	UG/L		3.60E-01			<0.6	<0.5		<0.5		<0.5
4-Chlorophenyl Phenyl Ether	N	UG/L					<0.6	<0.5		<0.5		<0.5
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03			<0.6	<0.5		<0.5 UJ		<0.5 UL
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02			**150**	<0.5		<0.5 R		<0.5
4-Nitroaniline	N	UG/L		3.80E+00			<0.6	<0.5		<0.5		<0.5
4-Nitrophenol	N	UG/L					<11	<10		<10 R		<10
4-Nitroquinoline-N-Oxide	N	UG/L					<23	<20		<20		<20 R
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00			<0.6	<0.5		<0.5		<0.5
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04			<0.6	<0.5		<0.5		<0.5
Acenaphthene	N	UG/L		5.30E+01			**1**	<0.1		<0.1		<0.1
Acenaphthylene	N	UG/L		5.30E+01			**0.2 J**	<0.1		<0.1		<0.1
Acetophenone	N	UG/L		1.90E+02			**210**	<0.5		<0.5		<0.5
Aniline	N	UG/L		1.30E+01			**5**	<0.5		<0.5		<0.5
Anthracene	N	UG/L		1.80E+02			**1**	<0.1		<0.1		<0.1
Benzo(A)Anthracene	N	UG/L		1.20E-02			**0.2 J**	<0.1		<0.1		<0.1
Benzo(B)Fluoranthene	N	UG/L		3.40E-02			**0.2 J**	<0.1		<0.1		<0.1
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01			**0.2 J**	<0.1		<0.1 UJ		<0.1
Benzo(K)Fluoranthene	N	UG/L		3.40E-01			**0.1 J**	<0.1		<0.1		<0.1
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03			**0.2 J**	<0.1		<0.1		<0.1
Benzyl Alcohol	N	UG/L		2.00E+02			<11	<10		<10 R		<10
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00			<0.6	<0.5		<0.5		<0.5
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02			<0.6	<0.5		<0.5		<0.5
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00			<2	<2		<2		<2
Butyl Benzyl Phthalate	N	UG/L		1.60E+01			<2	<2		<2		<2
Chlorobenzilate	N	UG/L		3.10E-01			<3	<3		<3		<3
Chrysene	N	UG/L		3.40E+00			**0.3 J**	<0.1		<0.1		<0.1
Diallate	N	UG/L		5.20E-01			<1	<1		<1		<1
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03			<0.1	<0.1		<0.1 UJ		<0.1
Dibenzofuran	N	UG/L		7.90E-01			**3**	<0.5		<0.5		<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-31-SO	MW-31-SO	MW-32-DO	MW-35-DO	MW-35-DO	MW-36-SO	MW-36-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-31-SO	GWRFI-14-MW-31-SO	GWRFI-14-MW-32-DO	GW14-MW-35-DO	GWRFI-14-MW-35-DO	GW4Q14-MW-36	GWRFI-14-MW-36-SO
					Sample Name							
					Date Sampled	12/10/2014	12/10/2014	11/17/2014	12/02/2014	11/13/2014	12/03/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Diethyl Phthalate	N	UG/L		1.50E+03			<2	<2		<2		<2
Dimethyl Phthalate	N	UG/L					<2	<2		<2		<2
Di-N-Butyl Phthalate	N	UG/L		9.00E+01			<2	<2		<2		<2
Ethyl Methanesulfonate	N	UG/L					<0.6	<0.5		<0.5		<0.5
Fluoranthene	N	UG/L		8.00E+01			**0.9**	<0.1		<0.1 UJ		<0.1
Fluorene	N	UG/L		2.90E+01			**3**	<0.1		<0.1		<0.1
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03			<0.1	<0.1		<0.1		<0.1
Hexachlorobutadiene	N	UG/L		1.40E-01			<0.6	<0.5		<0.5		<0.5
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02			<6	<5		<5		<5 R
Hexachloroethane	N	UG/L		3.30E-01			<1	<1		<1		<1
Hexachloropropylene	N	UG/L					<2 UJ	<2		<2		<2 UL
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02			**0.1 J**	<0.1		<0.1 UJ		<0.1
Isodrin	N	UG/L					<0.6	<0.5		<0.5		<0.5
Isophorone	N	UG/L		7.80E+01			<0.6	<0.5		<0.5		<0.5
Isosafrole	N	UG/L					<2	<2		<2		<2
Methapyrilene	N	UG/L					<17	<15		<15 UJ		<15
Methyl Methanesulfonate	N	UG/L		7.90E-01			<1	<1		<1		<1
Naphthalene	N	UG/L		1.70E-01		**370 J**	**390**	<0.1		<0.1	**8**	<0.1
N-Dioctyl Phthalate	N	UG/L		2.00E+01			<2	<2		<2		<2
Nitrobenzene	N	UG/L		1.40E-01			<0.6	<0.5		<0.5		<0.5
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04			<2	<2		<2		<2
N-Nitrosodiethylamine	N	UG/L		1.70E-04			<0.6	<0.5		<0.5		<0.5
N-Nitrosodimethylamine	N	UG/L		1.10E-04			<2	<2		<2		<2
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03			<2	<2		<2		<2
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02			<0.6	<0.5		<0.5		<0.5
N-Nitrosodiphenylamine	N	UG/L		1.20E+01			<0.6	<0.5		<0.5		<0.5
N-Nitrosomorpholine	N	UG/L		1.20E-02			<2	<2		<2		<2
N-Nitrosopiperidine	N	UG/L		8.20E-03			<0.6	<0.5		<0.5		<0.5
N-Nitrosopyrrolidine	N	UG/L		3.70E-02			<0.6	<0.5		<0.5		<0.5
O,O,O-Triethylphosphorothioate	N	UG/L					<2	<2		<2		<2
O-Toluidine	N	UG/L					<0.6	<0.5		<0.5		<0.5
para-Phenylenediamine	N	UG/L		3.80E+02			<85	<77		<76		<76
Pentachlorobenzene	N	UG/L		3.20E-01			<0.6	<0.5		<0.5		<0.5
Pentachloronitrobenzene	N	UG/L		1.20E-01			<2	<2		<2		<2
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02			<1	<1		<1 R		<1
Phenacetin	N	UG/L		3.40E+01			<0.6	<0.5		<0.5		<0.5
Phenanthrene	N	UG/L		1.80E+02			**2**	<0.1		<0.1		<0.1
Phenol	N	UG/L		5.80E+02			**630**	<0.5		<0.5 R		<0.5
Pyrene	N	UG/L		1.20E+01			**0.6**	<0.1		<0.1		<0.1
Pyridine	N	UG/L		2.00E+00			**29**	<2		<2		<2
Safrole	N	UG/L		9.50E-02			<2	<2		<2		<2

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-31-SO	GWRFI-14-MW-31-SO	GWRFI-14-MW-32-DO	GW14-MW-35-DO	GWRFI-14-MW-35-DO	GW4Q14-MW-36	GWRFI-14-MW-36-SO
					Sample Name							
					Date Sampled	12/10/2014	12/10/2014	11/17/2014	12/02/2014	11/13/2014	12/03/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01			<1	<1		<1		<1
Thionazin	N	UG/L					<2	<2		<2		<2
Dimethoate	N	UG/L		4.00E-01			<3	<3		<3		<3
Pronamide	N	UG/L		1.20E+02			<0.6	<0.5		<0.5		<0.5
Bis(2-Chloroisopropyl)Ether	N	UG/L					<0.6	<0.5		<0.5		<0.5

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-37	GWRFI-14-MW-39-SO	GWRFI-14-MW-70-SO	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D	GW4Q14-MW-73-SO
					Sample Name						
					Date Sampled	12/03/2014	12/04/2014	11/19/2014	11/21/2014	11/21/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	DUP	FS
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01			<0.5	<0.5	<0.5	<0.5	
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02			<0.5	<0.5	<0.5	<0.5	
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02			<0.5	<0.5	<0.5	<0.5	
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02			<0.5	<0.5	<0.5	<0.5	
1,1-Dichloroethane	N	UG/L		2.70E+00			<0.5	<0.5	<0.5	<0.5	
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01			<0.5	<0.5	<0.5	<0.5	
1,2,3-Trichloropropane	N	UG/L		7.50E-04			<1	<1	<1	<1	
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04			<2	<2	<2	<2	
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<0.5	<0.5	<0.5	<0.5	<0.5	<5
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01			<1	<1	<1	<1	
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01			<0.5	<0.5	<0.5	<0.5	
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01			<0.5	<0.5	<0.5	<0.5	
1,3-Dichlorobenzene	N	UG/L					<1	<1	<1	<1	
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01			<1	<1	<1	<1	
2-Hexanone	N	UG/L		3.80E+00			<3	<3	<3	<3	
Acetone	N	UG/L		1.40E+03			<6	<6	<6	<6	
Acetonitrile	N	UG/L		1.30E+01			<25	<25	<25	<25	
Acrolein	N	UG/L		4.20E-03			<40	<40	<40	<40	
Acrylonitrile	N	UG/L		5.20E-02			<4	<4	<4	<4	
Allyl Chloride	N	UG/L		2.10E-01			<1	<1	<1	<1	
Benzene	N	UG/L	5.00E+00	4.50E-01		<0.5	<0.5	**8**	<0.5	<0.5	**6500**
Bromodichloromethane	N	UG/L		1.30E-01			<0.5	<0.5	<0.5	<0.5	
Bromoform	N	UG/L		3.30E+00			<0.5	<0.5	<0.5	<0.5	
Carbon Disulfide	N	UG/L		8.10E+01			<1	<1	<1	<1	
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01			<0.5	<0.5	<0.5	<0.5	
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00			<0.5	<0.5	<0.5	<0.5	
Chlorodibromomethane	N	UG/L		1.70E-01			<0.5	<0.5	<0.5	<0.5	
Chloroform	N	UG/L		2.20E-01			<0.5	<0.5	<0.5	<0.5	
Chloroprene	N	UG/L		1.90E-02			<1	<1	<1	<1	
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00			<0.5	<0.5	<0.5	<0.5	
cis-1,3-Dichloropropene	N	UG/L					<0.5	<0.5	<0.5	<0.5	
Dichlorodifluoromethane	N	UG/L		2.00E+01			<0.5	<0.5	<0.5	<0.5	
Ethyl Chloride	N	UG/L		2.10E+03			<0.5 UJ	<0.5	<0.5	<0.5	
Ethyl Methacrylate	N	UG/L		4.60E+01			<1	<1	<1	<1	
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<0.5	<0.5	<0.5	<0.5	<0.5	**26**
Formaldehyde	N	UG/L		4.30E-01			**30 J**	**81 B**	**67 J**	**77 J**	
Iodomethane	N	UG/L					<0.5	<0.5	<0.5	<0.5	
Isobutyl Alcohol	N	UG/L		5.90E+02			<100	<100	<100	<100	
Methacrylonitrile	N	UG/L		1.90E-01			<10	<10	<10	<10	
Methyl Bromide	N	UG/L		7.50E-01			<0.5	<0.5	<0.5	<0.5	

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-37	GWRFI-14-MW-39-SO	GWRFI-14-MW-70-SO	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D	GW4Q14-MW-73-SO
					Sample Name						
					Date Sampled	12/03/2014	12/04/2014	11/19/2014	11/21/2014	11/21/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	DUP	FS
Methyl Chloride	N	UG/L		1.90E+01			<0.5	<0.5	<0.5	<0.5	
Methyl Ethyl Ketone	N	UG/L		5.60E+02			<3	<3	<3	<3	
Methyl Isobutyl Ketone	N	UG/L		1.20E+02			<3	<3	<3	<3	
Methyl Methacrylate	N	UG/L		1.40E+02			<1	<1	<1	<1	
Methylene Bromide	N	UG/L		8.00E-01			<0.5	<0.5	<0.5	<0.5	
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2	<2	<2	<2	<2	<20
Pentachloroethane	N	UG/L		6.40E-01			<1	<1	<1	<1	
Propionitrile	N	UG/L					<30	<30	<30	<30	
Styrene	N	UG/L	1.00E+02	1.20E+02			<1	<1	<1	<1	
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00			<0.5	<0.5	<0.5	<0.5	
Toluene	N	UG/L	1.00E+03	1.10E+02		<0.5	<0.5	<0.5	<0.5	<0.5	<5
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01			<0.5	<0.5	<0.5	<0.5	
trans-1,3-Dichloropropene	N	UG/L					<0.5	<0.5	<0.5	<0.5	
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03			<15	<15	<15	<15	
Trichloroethene	N	UG/L	5.00E+00	2.80E-01			<0.5	<0.5	<0.5	<0.5	
Trichlorofluoromethane	N	UG/L		1.10E+02			<0.5	<0.5	<0.5	<0.5	
Vinyl Acetate	N	UG/L		4.10E+01			<2	<2	<2	<2	
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02			<0.5	<0.5	<0.5	<0.5	
Xylenes	N	UG/L	1.00E+04	1.90E+01		<0.5	<0.5	<0.5	<0.5	<0.5	**12**
Semivolatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01			<0.5	<0.5	<0.5	<0.5	
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01			<0.5	<0.5	<0.5	<0.5	
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01			<5	<5	<5	<5	
1,3-Dinitrobenzene	N	UG/L		2.00E-01			<2	<2	<2	<2	
1,4-Dioxane	N	UG/L		4.60E-01			<1	<1	<1	<1	
1,4-Naphthoquinone	N	UG/L					<25	<25 R	<26	<25	
1-Naphthylamine	N	UG/L					<5	<5	<5	<5	
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01			<0.5	<0.5	<0.5	<0.5	
2,4,5-Trichlorophenol	N	UG/L		1.20E+02			<0.5	<0.5	<0.5	<0.5	
2,4,6-Trichlorophenol	N	UG/L		1.20E+00			<0.5	<0.5	<0.5	<0.5	
2,4-Dichlorophenol	N	UG/L		4.60E+00			<0.5	<0.5	<0.5	<0.5	
2,4-Dimethylphenol	N	UG/L		3.60E+01			<0.5	<0.5	<0.5	<0.5	
2,4-Dinitrophenol	N	UG/L		3.90E+00			<10	<10	<10	<10	
2,4-Dinitrotoluene	N	UG/L		2.40E-01			<1 UJ	<1	<1	<1	
2,6-Dichlorophenol	N	UG/L					<0.5	<0.5	<0.5	<0.5	
2,6-Dinitrotoluene	N	UG/L		4.80E-02			<0.5	<0.5	<0.5	<0.5	
2-Acetylaminofluorene	N	UG/L		1.60E-02			<2 UJ	<2	<2	<2	
2-Chloronaphthalene	N	UG/L		7.50E+01			<0.4	<0.4	<0.4	<0.4	
2-Chlorophenol	N	UG/L		9.10E+00			<0.5	<0.5	<0.5	<0.5	
2-Methylnaphthalene	N	UG/L		3.60E+00			<0.1 UJ	<0.1	<0.1	<0.1	
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01			<0.5	<0.5	<0.5	<0.5	

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-37	GWRFI-14-MW-39-SO	GWRFI-14-MW-70-SO	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D	GW4Q14-MW-73-SO
					Sample Name						
					Date Sampled	12/03/2014	12/04/2014	11/19/2014	11/21/2014	11/21/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	DUP	FS
2-Naphthylamine	N	UG/L		3.90E-02			<5	<5	<5	<5	
2-Nitroaniline	N	UG/L		1.90E+01			<0.5 UJ	<0.5	<0.5	<0.5	
2-Nitrophenol	N	UG/L					<0.5	<0.5	<0.5	<0.5	
2-Picoline	N	UG/L					<2	<2	<2	<2	
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01			<2	<2	<2	<2	
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03			<25	<25	<26	<25	
3-Methylcholanthrene	N	UG/L		1.10E-03			<0.5 UJ	<0.5	<0.5	<0.5	
3-Nitroaniline	N	UG/L					<0.5 UJ	<0.5	<0.5	<0.5	
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01			<5	<5	<5	<5	
4-Aminobiphenyl	N	UG/L		3.00E-03			<0.5	<0.5	<0.5	<0.5	
4-Bromophenyl Phenyl Ether	N	UG/L					<0.5	<0.5	<0.5	<0.5	
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02			<0.5	<0.5	<0.5	<0.5	
4-Chloroaniline	N	UG/L		3.60E-01			<0.5 UJ	<0.5	<0.5	<0.5	
4-Chlorophenyl Phenyl Ether	N	UG/L					<0.5	<0.5	<0.5	<0.5	
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03			<0.5 UJ	<0.5	<0.5	<0.5	
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02			<0.5	<0.5	<0.5	<0.5	
4-Nitroaniline	N	UG/L		3.80E+00			<0.5	<0.5	<0.5	<0.5	
4-Nitrophenol	N	UG/L					<10	<10	<10	<10	
4-Nitroquinoline-N-Oxide	N	UG/L					<20	<20	<20	<20	
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00			<0.5	<0.5	<0.5	<0.5	
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04			<0.5	<0.5	<0.5	<0.5	
Acenaphthene	N	UG/L		5.30E+01			<0.1	<0.1	<0.1	<0.1	
Acenaphthylene	N	UG/L		5.30E+01			<0.1 UJ	<0.1	<0.1	<0.1	
Acetophenone	N	UG/L		1.90E+02			<0.5	<0.5	<0.5	<0.5	
Aniline	N	UG/L		1.30E+01			<0.5	<0.5	<0.5	<0.5	
Anthracene	N	UG/L		1.80E+02			<0.1	<0.1	<0.1	<0.1	
Benzo(A)Anthracene	N	UG/L		1.20E-02			<0.1	<0.1	<0.1	<0.1	
Benzo(B)Fluoranthene	N	UG/L		3.40E-02			<0.1	<0.1	<0.1	<0.1	
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01			<0.1	<0.1	<0.1	<0.1	
Benzo(K)Fluoranthene	N	UG/L		3.40E-01			<0.1	<0.1	<0.1	<0.1	
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03			<0.1	<0.1	<0.1	<0.1	
Benzyl Alcohol	N	UG/L		2.00E+02			<10	<10	<10 UJ	<10	
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00			<0.5	<0.5	<0.5	<0.5	
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02			<0.5	<0.5	<0.5	<0.5	
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00			<2	<2	<2	<2	
Butyl Benzyl Phthalate	N	UG/L		1.60E+01			<2	<2	<2	<2	
Chlorobenzilate	N	UG/L		3.10E-01			<3	<3	<3	<3	
Chrysene	N	UG/L		3.40E+00			<0.1	<0.1	<0.1	<0.1	
Diallate	N	UG/L		5.20E-01			<1	<1	<1	<1	
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03			<0.1	<0.1	<0.1	<0.1	
Dibenzofuran	N	UG/L		7.90E-01			<0.5	<0.5	<0.5	<0.5	

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-37	MW-39-SO	MW-70-SO	MW-72-SO	MW-72-SO	MW-73-SO
					Field Sample ID	GW4Q14-MW-37	GWRFI-14-MW-39-SO	GWRFI-14-MW-70-SO	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D	GW4Q14-MW-73-SO
			Federal MCL	EPA SL Tap Water	Sample Name						
					Date Sampled	12/03/2014	12/04/2014	11/19/2014	11/21/2014	11/21/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	DUP	FS
Diethyl Phthalate	N	UG/L		1.50E+03			<2	<2	<2	<2	
Dimethyl Phthalate	N	UG/L					<2	<2	<2	<2	
Di-N-Butyl Phthalate	N	UG/L		9.00E+01			<2	<2	<2	<2	
Ethyl Methanesulfonate	N	UG/L					<0.5	<0.5	<0.5	<0.5	
Fluoranthene	N	UG/L		8.00E+01			<0.1	<0.1	<0.1	<0.1	
Fluorene	N	UG/L		2.90E+01			<0.1	<0.1	<0.1	<0.1	
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03			<0.1	<0.1	<0.1	<0.1	
Hexachlorobutadiene	N	UG/L		1.40E-01			<0.5	<0.5	<0.5	<0.5	
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02			<5	<5	<5	<5	
Hexachloroethane	N	UG/L		3.30E-01			<1	<1	<1	<1	
Hexachloropropylene	N	UG/L					<2	<2	<2	<2	
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02			<0.1	<0.1	<0.1	<0.1	
Isodrin	N	UG/L					<0.5	<0.5	<0.5	<0.5	
Isophorone	N	UG/L		7.80E+01			<0.5	<0.5	<0.5	<0.5	
Isosafrole	N	UG/L					<2	<2	<2	<2	
Methapyrilene	N	UG/L					<15	<15	<15	<15	
Methyl Methanesulfonate	N	UG/L		7.90E-01			<1	<1	<1	<1	
Naphthalene	N	UG/L		1.70E-01		**2 J**	<0.1	<0.1	<0.1	<0.1	**2100**
N-Dioctyl Phthalate	N	UG/L		2.00E+01			<2	<2	<2	<2	
Nitrobenzene	N	UG/L		1.40E-01			<0.5	<0.5	<0.5	<0.5	
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04			<2	<2	<2	<2	
N-Nitrosodiethylamine	N	UG/L		1.70E-04			<0.5	<0.5	<0.5	<0.5	
N-Nitrosodimethylamine	N	UG/L		1.10E-04			<2	<2	<2	<2	
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03			<2	<2	<2	<2	
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02			<0.5	<0.5	<0.5	<0.5	
N-Nitrosodiphenylamine	N	UG/L		1.20E+01			<0.5	<0.5	<0.5	<0.5	
N-Nitrosomorpholine	N	UG/L		1.20E-02			<2	<2	<2	<2	
N-Nitrosopiperidine	N	UG/L		8.20E-03			<0.5 UJ	<0.5	<0.5	<0.5	
N-Nitrosopyrrolidine	N	UG/L		3.70E-02			<0.5	<0.5	<0.5	<0.5	
O,O,O-Triethylphosphorothioate	N	UG/L					<2 UJ	<2	<2	<2	
O-Toluidine	N	UG/L					<0.5	<0.5	<0.5	<0.5	
para-Phenylenediamine	N	UG/L		3.80E+02			<76	<76	<77	<76	
Pentachlorobenzene	N	UG/L		3.20E-01			<0.5	<0.5	<0.5	<0.5	
Pentachloronitrobenzene	N	UG/L		1.20E-01			<2	<2	<2	<2	
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02			<1	<1	<1	<1	
Phenacetin	N	UG/L		3.40E+01			<0.5	<0.5	<0.5	<0.5	
Phenanthrene	N	UG/L		1.80E+02			<0.1	<0.1	<0.1	<0.1	
Phenol	N	UG/L		5.80E+02			<0.5	<0.5	<0.5	<0.5	
Pyrene	N	UG/L		1.20E+01			<0.1	<0.1	<0.1	<0.1	
Pyridine	N	UG/L		2.00E+00			<2	<2	<2	<2	
Safrole	N	UG/L		9.50E-02			<2 UJ	<2	<2	<2	

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-37	MW-39-SO	MW-70-SO	MW-72-SO	MW-72-SO	MW-73-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-37	GWRFI-14-MW-39-SO	GWRFI-14-MW-70-SO	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D	GW4Q14-MW-73-SO
					Sample Name						
					Date Sampled	12/03/2014	12/04/2014	11/19/2014	11/21/2014	11/21/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	DUP	FS
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01			<1	<1	<1	<1	
Thionazin	N	UG/L					<2	<2	<2	<2	
Dimethoate	N	UG/L		4.00E-01			<3	<3	<3	<3	
Pronamide	N	UG/L		1.20E+02			<0.5	<0.5	<0.5	<0.5	
Bis(2-Chloroisopropyl)Ether	N	UG/L					<0.5	<0.5	<0.5	<0.5	

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-73-SO	MW-75-SO	MW-75-SO	MW-76-SO	MW-76-SO	MW-76-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-73-SO	GW4Q14-MW-75-SO	GWRFI-14-MW-75-SO	GW4Q14-MW-76-SO	GW4Q14-MW-76-SO-D	GWRFI-14-MW-76-SO
					Sample Name						
					Date Sampled	12/03/2014	12/03/2014	12/03/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	DUP	FS
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<3		<0.5			<0.5
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<3		<0.5			<0.5
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<3		<0.5			<0.5
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<3		<0.5			<0.5
1,1-Dichloroethane	N	UG/L		2.70E+00		<3		**1**			**0.7 J**
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<3		<0.5			<0.5
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<5		<1			<1
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<10		<2			<2
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<3	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01		<5		<1			<1
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<3		<0.5			<0.5
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<3		<0.5			<0.5
1,3-Dichlorobenzene	N	UG/L				<5		<1			<1
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01		<5		<1			<1
2-Hexanone	N	UG/L		3.80E+00		<15		<3			<3
Acetone	N	UG/L		1.40E+03		<30		<6			<6
Acetonitrile	N	UG/L		1.30E+01		<130		<25			<25
Acrolein	N	UG/L		4.20E-03		<200		<40			<40 UL
Acrylonitrile	N	UG/L		5.20E-02		<20		<4			<4
Allyl Chloride	N	UG/L		2.10E-01		<5		<1			<1
Benzene	N	UG/L	5.00E+00	4.50E-01		**5700**	<0.5	<0.5	**17 J**	**7 J**	**6**
Bromodichloromethane	N	UG/L		1.30E-01		<3		<0.5			<0.5
Bromoform	N	UG/L		3.30E+00		<3		<0.5			<0.5
Carbon Disulfide	N	UG/L		8.10E+01		<5		<1			<1
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<3		<0.5			<0.5
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		<3		<0.5			<0.5
Chlorodibromomethane	N	UG/L		1.70E-01		<3		<0.5			<0.5
Chloroform	N	UG/L		2.20E-01		<3		<0.5			<0.5
Chloroprene	N	UG/L		1.90E-02		<5		<1			<1
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<3		<0.5			<0.5
cis-1,3-Dichloropropene	N	UG/L				<3		<0.5			<0.5
Dichlorodifluoromethane	N	UG/L		2.00E+01		<3		<0.5			<0.5 UL
Ethyl Chloride	N	UG/L		2.10E+03		<3 UJ		<0.5 UJ			<0.5 UL
Ethyl Methacrylate	N	UG/L		4.60E+01		<5		<1			<1
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		**23**	<0.5	<0.5	<0.5	<0.5	<0.5
Formaldehyde	N	UG/L		4.30E-01		**47 J**		**240 J**			**40 J**
Iodomethane	N	UG/L				<3		<0.5			<0.5
Isobutyl Alcohol	N	UG/L		5.90E+02		<500		<100			<100
Methacrylonitrile	N	UG/L		1.90E-01		<50		<10			<10
Methyl Bromide	N	UG/L		7.50E-01		<3		<0.5			<0.5 UL

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-73-SO	MW-75-SO	MW-75-SO	MW-76-SO	MW-76-SO	MW-76-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-73-SO	GW4Q14-MW-75-SO	GWRFI-14-MW-75-SO	GW4Q14-MW-76-SO	GW4Q14-MW-76-SO-D	GWRFI-14-MW-76-SO
					Sample Name						
					Date Sampled	12/03/2014	12/03/2014	12/03/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	DUP	FS
Methyl Chloride	N	UG/L		1.90E+01		<3		<0.5			<0.5 UL
Methyl Ethyl Ketone	N	UG/L		5.60E+02		<15		<3			<3
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<15		<3			<3
Methyl Methacrylate	N	UG/L		1.40E+02		<5		<1			<1
Methylene Bromide	N	UG/L		8.00E-01		<3		<0.5			<0.5
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<10	<2	<2	<2	<2	<2
Pentachloroethane	N	UG/L		6.40E-01		<5		<1			<1
Propionitrile	N	UG/L				<150		<30			<30
Styrene	N	UG/L	1.00E+02	1.20E+02		<5		<1			<1
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<3		<0.5			<0.5
Toluene	N	UG/L	1.00E+03	1.10E+02		<3	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<3		<0.5			<0.5
trans-1,3-Dichloropropene	N	UG/L				<3		<0.5			<0.5
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<75		<15			<15
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<3		<0.5			<0.5
Trichlorofluoromethane	N	UG/L		1.10E+02		<3		<0.5			<0.5
Vinyl Acetate	N	UG/L		4.10E+01		<10		<2			<2 UL
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<3		<0.5			<0.5
Xylenes	N	UG/L	1.00E+04	1.90E+01		**16**	<0.5	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01		<0.5		<0.5			<0.5
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01		<0.5		<0.5			<0.5
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01		<5		<5			<5
1,3-Dinitrobenzene	N	UG/L		2.00E-01		<2		<2			<2
1,4-Dioxane	N	UG/L		4.60E-01		<1		**2 J**			**5**
1,4-Naphthoquinone	N	UG/L				<25		<25			<26
1-Naphthylamine	N	UG/L				<5		<5			<5
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01		<0.5		<0.5			<0.5
2,4,5-Trichlorophenol	N	UG/L		1.20E+02		<0.5		<0.5			<0.5
2,4,6-Trichlorophenol	N	UG/L		1.20E+00		<0.5		<0.5			<0.5
2,4-Dichlorophenol	N	UG/L		4.60E+00		<0.5		<0.5			<0.5
2,4-Dimethylphenol	N	UG/L		3.60E+01		<0.5		<0.5			<0.5
2,4-Dinitrophenol	N	UG/L		3.90E+00		<10		<10			<10
2,4-Dinitrotoluene	N	UG/L		2.40E-01		<1 UJ		<1 UJ			<1
2,6-Dichlorophenol	N	UG/L				<0.5		<0.5			<0.5
2,6-Dinitrotoluene	N	UG/L		4.80E-02		<0.5		<0.5			<0.5
2-Acetylaminofluorene	N	UG/L		1.60E-02		<2 UJ		<2 UJ			<2 UL
2-Chloronaphthalene	N	UG/L		7.50E+01		<0.4		<0.4			<0.4
2-Chlorophenol	N	UG/L		9.10E+00		<0.5		<0.5			<0.5
2-Methylnaphthalene	N	UG/L		3.60E+00		**78 J**		<0.1 UJ			<0.1
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01		<0.5		<0.5			<0.5

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-73-SO	GW4Q14-MW-75-SO	GWRFI-14-MW-75-SO	GW4Q14-MW-76-SO	GW4Q14-MW-76-SO-D	GWRFI-14-MW-76-SO
					Sample Name						
					Date Sampled	12/03/2014	12/03/2014	12/03/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	DUP	FS
2-Naphthylamine	N	UG/L		3.90E-02		<5		<5			<5
2-Nitroaniline	N	UG/L		1.90E+01		<0.5 UJ		<0.5 UJ			<0.5
2-Nitrophenol	N	UG/L				<0.5		<0.5			<0.5
2-Picoline	N	UG/L				<2		<2			<2
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01		<2		<2			<2
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03		<25		<25			<26
3-Methylcholanthrene	N	UG/L		1.10E-03		<0.5 UJ		<0.5 UJ			<0.5
3-Nitroaniline	N	UG/L				<0.5 UJ		<0.5 UJ			<0.5
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01		<5		<5			<5
4-Aminobiphenyl	N	UG/L		3.00E-03		<0.5		<0.5			<0.5
4-Bromophenyl Phenyl Ether	N	UG/L				<0.5		<0.5			<0.5
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02		<0.5		<0.5			<0.5
4-Chloroaniline	N	UG/L		3.60E-01		<0.5 UJ		<0.5 UJ			<0.5
4-Chlorophenyl Phenyl Ether	N	UG/L				<0.5		<0.5			<0.5
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03		<0.5 UJ		<0.5 UJ			<0.5 UL
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02		**0.7 J**		<0.5			<0.5
4-Nitroaniline	N	UG/L		3.80E+00		<0.5		<0.5			<0.5
4-Nitrophenol	N	UG/L				<10		<10			<10
4-Nitroquinoline-N-Oxide	N	UG/L				<20		<20			<21 R
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00		<0.5		<0.5			<0.5
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04		<0.5		<0.5			<0.5
Acenaphthene	N	UG/L		5.30E+01		**41**		**99**			<0.1
Acenaphthylene	N	UG/L		5.30E+01		**0.9 J**		**4 J**			<0.1
Acetophenone	N	UG/L		1.90E+02		**1**		**4**			<0.5
Aniline	N	UG/L		1.30E+01		<0.5		<0.5			<0.5
Anthracene	N	UG/L		1.80E+02		**2**		**0.5**			<0.1
Benzo(A)Anthracene	N	UG/L		1.20E-02		**1**		**0.1 J**			<0.1
Benzo(B)Fluoranthene	N	UG/L		3.40E-02		**1**		<0.1			<0.1
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01		**0.6**		<0.1			<0.1
Benzo(K)Fluoranthene	N	UG/L		3.40E-01		**0.4 J**		<0.1			<0.1
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03		**1**		<0.1			<0.1
Benzyl Alcohol	N	UG/L		2.00E+02		<10		<10			<10
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00		<0.5		<0.5			<0.5
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02		<0.5		<0.5			<0.5
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00		<2		<2			<2
Butyl Benzyl Phthalate	N	UG/L		1.60E+01		<2		<2			<2
Chlorobenzilate	N	UG/L		3.10E-01		<3		<3			<3
Chrysene	N	UG/L		3.40E+00		**1**		**0.2 J**			<0.1
Diallate	N	UG/L		5.20E-01		<1		<1			<1
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03		**0.2 J**		<0.1			<0.1
Dibenzofuran	N	UG/L		7.90E-01		**10**		<0.5			<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-73-SO	MW-75-SO	MW-75-SO	MW-76-SO	MW-76-SO	MW-76-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-73-SO	GW4Q14-MW-75-SO	GWRFI-14-MW-75-SO	GW4Q14-MW-76-SO	GW4Q14-MW-76-SO-D	GWRFI-14-MW-76-SO
					Sample Name						
					Date Sampled	12/03/2014	12/03/2014	12/03/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	DUP	FS
Diethyl Phthalate	N	UG/L		1.50E+03		<2		<2			<2
Dimethyl Phthalate	N	UG/L				<2		<2			<2
Di-N-Butyl Phthalate	N	UG/L		9.00E+01		<2		<2			<2
Ethyl Methanesulfonate	N	UG/L				<0.5		<0.5			<0.5
Fluoranthene	N	UG/L		8.00E+01		**5**		**2**			**0.4 J**
Fluorene	N	UG/L		2.90E+01		**7**		**4**			**0.6**
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03		<0.1		<0.1			<0.1
Hexachlorobutadiene	N	UG/L		1.40E-01		<0.5		<0.5			<0.5
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02		<5		<5			<5 R
Hexachloroethane	N	UG/L		3.30E-01		<1		<1			<1
Hexachloropropylene	N	UG/L				<2		<2			<2 UL
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02		**0.5**		<0.1			<0.1
Isodrin	N	UG/L				<0.5		<0.5			<0.5
Isophorone	N	UG/L		7.80E+01		<0.5		<0.5			<0.5
Isosafrole	N	UG/L				<2		<2			<2
Methapyrilene	N	UG/L				<15		<15			<16
Methyl Methanesulfonate	N	UG/L		7.90E-01		<1		<1			<1
Naphthalene	N	UG/L		1.70E-01		**2800**	**2 J**	**0.3 J**	**1 J**	<1	**0.5 J**
N-Dioctyl Phthalate	N	UG/L		2.00E+01		<2		<2			<2
Nitrobenzene	N	UG/L		1.40E-01		<0.5		<0.5			<0.5
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04		<2		<2			<2
N-Nitrosodiethylamine	N	UG/L		1.70E-04		<0.5		<0.5			<0.5
N-Nitrosodimethylamine	N	UG/L		1.10E-04		<2		<2			<2
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03		<2		<2			<2
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02		<0.5		<0.5			<0.5
N-Nitrosodiphenylamine	N	UG/L		1.20E+01		<0.5		<0.5			<0.5
N-Nitrosomorpholine	N	UG/L		1.20E-02		<2		<2			<2
N-Nitrosopiperidine	N	UG/L		8.20E-03		<0.5 UJ		<0.5 UJ			<0.5
N-Nitrosopyrrolidine	N	UG/L		3.70E-02		<0.5		<0.5			<0.5
O,O,O-Triethylphosphorothioate	N	UG/L				<2 UJ		<2 UJ			<2
O-Toluidine	N	UG/L				<0.5		<0.5			<0.5
para-Phenylenediamine	N	UG/L		3.80E+02		<76		<76			<78
Pentachlorobenzene	N	UG/L		3.20E-01		<0.5		<0.5			<0.5
Pentachloronitrobenzene	N	UG/L		1.20E-01		<2		<2			<2
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02		<1		<1			<1
Phenacetin	N	UG/L		3.40E+01		<0.5		<0.5			<0.5
Phenanthrene	N	UG/L		1.80E+02		**12**		**0.3 J**			**0.2 J**
Phenol	N	UG/L		5.80E+02		**38**		<0.5			<0.5
Pyrene	N	UG/L		1.20E+01		**4**		**2**			**0.4 J**
Pyridine	N	UG/L		2.00E+00		<2		<2			<2
Safrole	N	UG/L		9.50E-02		<2 UJ		<2 UJ			<2

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-73-SO	MW-75-SO	MW-75-SO	MW-76-SO	MW-76-SO	MW-76-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-73-SO	GW4Q14-MW-75-SO	GWRFI-14-MW-75-SO	GW4Q14-MW-76-SO	GW4Q14-MW-76-SO-D	GWRFI-14-MW-76-SO
					Sample Name						
					Date Sampled	12/03/2014	12/03/2014	12/03/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	DUP	FS
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01		<1		<1			<1
Thionazin	N	UG/L				<2		<2			<2
Dimethoate	N	UG/L		4.00E-01		<3		<3			<3
Pronamide	N	UG/L		1.20E+02		<0.5		<0.5			<0.5
Bis(2-Chloroisopropyl)Ether	N	UG/L				<0.5		<0.5			<0.5

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-77-SO	MW-77-SO	MW-85-A	MW-86-SO	MW-87-SO	MW-88	MW-88
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-77-SO	GWRFI-14-MW-77-SO	GWRFI-14-MW-85-A	GWRFI-14-MW-86-SO	GWRFI-14-MW-87-SO	GW4Q14-MW-88	GWRFI-14-MW-88
					Sample Name							
					Date Sampled	12/08/2014	12/08/2014	11/20/2014	11/21/2014	11/21/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01			<0.5	<0.5	<0.5	<0.5		<0.5
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02			<0.5	<0.5	<0.5	<0.5		<0.5
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02			<0.5	<0.5	<0.5	<0.5		<0.5
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02			<0.5	<0.5	<0.5	<0.5		<0.5
1,1-Dichloroethane	N	UG/L		2.70E+00			<0.5	<0.5	<0.5	<0.5		<0.5
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01			<0.5	<0.5	<0.5	<0.5		<0.5
1,2,3-Trichloropropane	N	UG/L		7.50E-04			<1	<1	<1	<1		<1
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04			<2	<2	<2	<2		<2
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01			<1	<1	<1	<1		<1
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01			<0.5	<0.5	<0.5	<0.5		<0.5
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01			<0.5	<0.5	<0.5	<0.5		<0.5
1,3-Dichlorobenzene	N	UG/L					<1	<1	<1	<1		<1
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01			<1	<1	<1	<1		<1
2-Hexanone	N	UG/L		3.80E+00			<3	<3	<3	<3		<3
Acetone	N	UG/L		1.40E+03			<6	**11 J**	<6	<6		<6
Acetonitrile	N	UG/L		1.30E+01			<25	<25	<25	<25		<25
Acrolein	N	UG/L		4.20E-03			<40	<40	<40	<40		<40 UL
Acrylonitrile	N	UG/L		5.20E-02			<4	<4	<4	<4		<4
Allyl Chloride	N	UG/L		2.10E-01			<1	<1	<1	<1		<1
Benzene	N	UG/L	5.00E+00	4.50E-01		<0.5	<0.5	**0.5 J**	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	N	UG/L		1.30E-01			<0.5	<0.5	<0.5	<0.5		<0.5
Bromoform	N	UG/L		3.30E+00			<0.5	<0.5	<0.5	<0.5		<0.5
Carbon Disulfide	N	UG/L		8.10E+01			<1	<1	<1	<1		<1
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01			<0.5	<0.5	<0.5	<0.5		<0.5
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00			<0.5	<0.5	<0.5	<0.5		<0.5
Chlorodibromomethane	N	UG/L		1.70E-01			<0.5	<0.5	<0.5	<0.5		<0.5
Chloroform	N	UG/L		2.20E-01			<0.5	<0.5	<0.5	<0.5		<0.5
Chloroprene	N	UG/L		1.90E-02			<1	<1	<1	<1		<1
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00			<0.5	<0.5	<0.5	<0.5		**0.6 J**
cis-1,3-Dichloropropene	N	UG/L					<0.5	<0.5	<0.5	<0.5		<0.5
Dichlorodifluoromethane	N	UG/L		2.00E+01			<0.5	<0.5	<0.5	<0.5		<0.5 UL
Ethyl Chloride	N	UG/L		2.10E+03			<0.5	<0.5	<0.5	<0.5		<0.5 UL
Ethyl Methacrylate	N	UG/L		4.60E+01			<1	<1	<1	<1		<1
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Formaldehyde	N	UG/L		4.30E-01			**32 J**	**32 B**	**51 J**	**87 J**		<20 UJ
Iodomethane	N	UG/L					<0.5	<0.5	<0.5	<0.5		<0.5
Isobutyl Alcohol	N	UG/L		5.90E+02			<100	<100	<100	<100		<100
Methacrylonitrile	N	UG/L		1.90E-01			<10	<10	<10	<10		<10
Methyl Bromide	N	UG/L		7.50E-01			<0.5	<0.5	<0.5	<0.5		<0.5 UL

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-77-SO	GWRFI-14-MW-77-SO	GWRFI-14-MW-85-A	GWRFI-14-MW-86-SO	GWRFI-14-MW-87-SO	GW4Q14-MW-88	GWRFI-14-MW-88
					Sample Name							
					Date Sampled	12/08/2014	12/08/2014	11/20/2014	11/21/2014	11/21/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methyl Chloride	N	UG/L		1.90E+01			<0.5	<0.5	<0.5	<0.5		<0.5 UL
Methyl Ethyl Ketone	N	UG/L		5.60E+02			<3	**4 J**	<3	<3		<3
Methyl Isobutyl Ketone	N	UG/L		1.20E+02			<3	<3	<3	<3		<3
Methyl Methacrylate	N	UG/L		1.40E+02			<1	<1	<1	<1		<1
Methylene Bromide	N	UG/L		8.00E-01			<0.5	<0.5	<0.5	<0.5		<0.5
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2	<2	<2	<2	<2	<2	<2
Pentachloroethane	N	UG/L		6.40E-01			<1	<1	<1	<1		<1
Propionitrile	N	UG/L					<30	<30	<30	<30		<30
Styrene	N	UG/L	1.00E+02	1.20E+02			<1	<1	<1	<1		<1
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00			<0.5	<0.5	<0.5	<0.5		<0.5
Toluene	N	UG/L	1.00E+03	1.10E+02		<0.5	<0.5	**0.7 J**	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01			<0.5	<0.5	<0.5	<0.5		<0.5
trans-1,3-Dichloropropene	N	UG/L					<0.5	<0.5	<0.5	<0.5		<0.5
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03			<15	<15	<15	<15		<15
Trichloroethene	N	UG/L	5.00E+00	2.80E-01			<0.5	<0.5	<0.5	<0.5		**0.7 J**
Trichlorofluoromethane	N	UG/L		1.10E+02			<0.5	<0.5	<0.5	<0.5		<0.5
Vinyl Acetate	N	UG/L		4.10E+01			<2	<2	<2	<2		<2 UL
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02			<0.5	<0.5	<0.5	<0.5		<0.5
Xylenes	N	UG/L	1.00E+04	1.90E+01		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds												
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01			<0.5	<0.5	<0.5	<0.5		<0.5
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01			<0.5	<0.5	<0.5	<0.5		<0.5
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01			<5	<5	<5	<5		<5
1,3-Dinitrobenzene	N	UG/L		2.00E-01			<2	<2	<2	<2		<2
1,4-Dioxane	N	UG/L		4.60E-01			**2 J**	<1	<1	**4 J**		**3 J**
1,4-Naphthoquinone	N	UG/L					<25	<25 R	<25	<25		<26
1-Naphthylamine	N	UG/L					<5	<5	<5	<5		<5
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01			<0.5	<0.5	<0.5	<0.5		<0.5
2,4,5-Trichlorophenol	N	UG/L		1.20E+02			<0.5	<0.5	<0.5	<0.5		<0.5
2,4,6-Trichlorophenol	N	UG/L		1.20E+00			<0.5	<0.5	<0.5	<0.5		<0.5
2,4-Dichlorophenol	N	UG/L		4.60E+00			<0.5	<0.5	<0.5	<0.5		<0.5
2,4-Dimethylphenol	N	UG/L		3.60E+01			<0.5	<0.5	<0.5	<0.5		<0.5
2,4-Dinitrophenol	N	UG/L		3.90E+00			<10	<10	<10	<10		<10
2,4-Dinitrotoluene	N	UG/L		2.40E-01			<1 UJ	<1	<1	<1		<1
2,6-Dichlorophenol	N	UG/L					<0.5	<0.5	<0.5	<0.5		<0.5
2,6-Dinitrotoluene	N	UG/L		4.80E-02			<0.5	<0.5	<0.5	<0.5		<0.5
2-Acetylaminofluorene	N	UG/L		1.60E-02			<2	<2	<2	<2		<2 UL
2-Chloronaphthalene	N	UG/L		7.50E+01			**17**	<0.4	<0.4	<0.4		<0.4
2-Chlorophenol	N	UG/L		9.10E+00			<0.5	<0.5	<0.5	<0.5		<0.5
2-Methylnaphthalene	N	UG/L		3.60E+00			<0.1	<0.1	<0.1	<0.1		<0.1
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01			<0.5	<0.5	<0.5	<0.5		<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-77-SO	MW-77-SO	MW-85-A	MW-86-SO	MW-87-SO	MW-88	MW-88
					Field Sample ID	GW4Q14-MW-77-SO	GWRFI-14-MW-77-SO	GWRFI-14-MW-85-A	GWRFI-14-MW-86-SO	GWRFI-14-MW-87-SO	GW4Q14-MW-88	GWRFI-14-MW-88
					Sample Name							
			Federal MCL	EPA SL Tap Water	Date Sampled	12/08/2014	12/08/2014	11/20/2014	11/21/2014	11/21/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
2-Naphthylamine	N	UG/L		3.90E-02			<5	<5	<5	<5		<5
2-Nitroaniline	N	UG/L		1.90E+01			<0.5	<0.5	<0.5	<0.5		<0.5
2-Nitrophenol	N	UG/L					<0.5	<0.5	<0.5	<0.5		<0.5
2-Picoline	N	UG/L					<2	<2	<2	<2		<2
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01			<2	<2	<2	<2		<2
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03			<25	<25	<25	<25		<26
3-Methylcholanthrene	N	UG/L		1.10E-03			<0.5	<0.5	<0.5	<0.5		<0.5
3-Nitroaniline	N	UG/L					<0.5	<0.5	<0.5	<0.5		<0.5
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01			<5	<5	<5	<5		<5
4-Aminobiphenyl	N	UG/L		3.00E-03			<0.5	<0.5	<0.5	<0.5		<0.5
4-Bromophenyl Phenyl Ether	N	UG/L					<0.5	<0.5	<0.5	<0.5		<0.5
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02			<0.5	<0.5	<0.5	<0.5		<0.5
4-Chloroaniline	N	UG/L		3.60E-01			<0.5	<0.5	<0.5	<0.5		<0.5
4-Chlorophenyl Phenyl Ether	N	UG/L					<0.5	<0.5	<0.5	<0.5		<0.5
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03			<0.5	<0.5	<0.5	<0.5		<0.5 UL
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02			<0.5	<0.5	<0.5	<0.5		<0.5
4-Nitroaniline	N	UG/L		3.80E+00			<0.5	<0.5	<0.5	<0.5		<0.5
4-Nitrophenol	N	UG/L					<10	<10	<10	<10		<10
4-Nitroquinoline-N-Oxide	N	UG/L					<20	<20	<20	<20		<20 R
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00			<0.5	<0.5	<0.5	<0.5		<0.5
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04			<0.5 UJ	<0.5	<0.5	<0.5		<0.5
Acenaphthene	N	UG/L		5.30E+01			<0.1	<0.1	<0.1	<0.1		<0.1
Acenaphthylene	N	UG/L		5.30E+01			<0.1	<0.1	<0.1	<0.1		<0.1
Acetophenone	N	UG/L		1.90E+02			<0.5	<0.5	<0.5	<0.5		<0.5
Aniline	N	UG/L		1.30E+01			<0.5	<0.5	<0.5	<0.5		<0.5
Anthracene	N	UG/L		1.80E+02			<0.1	<0.1	<0.1	<0.1		<0.1
Benzo(A)Anthracene	N	UG/L		1.20E-02			<0.1	<0.1	<0.1	<0.1		<0.1
Benzo(B)Fluoranthene	N	UG/L		3.40E-02			<0.1	<0.1	<0.1	<0.1		<0.1
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01			<0.1	<0.1	<0.1	<0.1		<0.1
Benzo(K)Fluoranthene	N	UG/L		3.40E-01			<0.1	<0.1	<0.1	<0.1		<0.1
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03			<0.1	<0.1	<0.1	<0.1		<0.1
Benzyl Alcohol	N	UG/L		2.00E+02			<10	<10	<10	<10		<10
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00			<0.5	<0.5	<0.5	<0.5		<0.5
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02			<0.5	<0.5	<0.5	<0.5		<0.5
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00			<2	<2	<2	<2		<2
Butyl Benzyl Phthalate	N	UG/L		1.60E+01			<2	<2	<2	<2		<2
Chlorobenzilate	N	UG/L		3.10E-01			<3	<3	<3	<3		<3
Chrysene	N	UG/L		3.40E+00			<0.1	<0.1	<0.1	<0.1		<0.1
Diallate	N	UG/L		5.20E-01			<1	<1	<1	<1		<1
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03			<0.1	<0.1	<0.1	<0.1		<0.1
Dibenzofuran	N	UG/L		7.90E-01			**0.7 J**	<0.5	<0.5	<0.5		<0.5

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-77-SO	GWRFI-14-MW-77-SO	GWRFI-14-MW-85-A	GWRFI-14-MW-86-SO	GWRFI-14-MW-87-SO	GW4Q14-MW-88	GWRFI-14-MW-88
					Sample Name							
					Date Sampled	12/08/2014	12/08/2014	11/20/2014	11/21/2014	11/21/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Diethyl Phthalate	N	UG/L		1.50E+03			<2	<2	<2	<2		<2
Dimethyl Phthalate	N	UG/L					<2	<2	<2	<2		<2
Di-N-Butyl Phthalate	N	UG/L		9.00E+01			<2	<2	<2	<2		<2
Ethyl Methanesulfonate	N	UG/L					<0.5	<0.5	<0.5	<0.5		<0.5
Fluoranthene	N	UG/L		8.00E+01			**0.4 J**	<0.1	<0.1	<0.1		<0.1
Fluorene	N	UG/L		2.90E+01			**0.3 J**	<0.1	<0.1	<0.1		<0.1
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03			<0.1	<0.1	<0.1	<0.1		<0.1
Hexachlorobutadiene	N	UG/L		1.40E-01			<0.5	<0.5	<0.5	<0.5		<0.5
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02			<5	<5	<5	<5		<5 R
Hexachloroethane	N	UG/L		3.30E-01			<1	<1	<1	<1		<1
Hexachloropropylene	N	UG/L					<2	<2	<2	<2		<2 UL
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02			<0.1	<0.1	<0.1	<0.1		<0.1
Isodrin	N	UG/L					<0.5	<0.5	<0.5	<0.5		<0.5
Isophorone	N	UG/L		7.80E+01			<0.5	<0.5	<0.5	<0.5		<0.5
Isosafrole	N	UG/L					<2	<2	<2	<2		<2
Methapyrilene	N	UG/L					<15	<15	<15	<15		<15
Methyl Methanesulfonate	N	UG/L		7.90E-01			<1	<1	<1	<1		<1
Naphthalene	N	UG/L		1.70E-01		<1	<0.1	<0.1	<0.1	<0.1	<1	<0.1
N-Dioctyl Phthalate	N	UG/L		2.00E+01			<2	<2	<2	<2		<2
Nitrobenzene	N	UG/L		1.40E-01			<0.5	<0.5	<0.5	<0.5		<0.5
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04			<2	<2	<2	<2		<2
N-Nitrosodiethylamine	N	UG/L		1.70E-04			<0.5	<0.5	<0.5	<0.5		<0.5
N-Nitrosodimethylamine	N	UG/L		1.10E-04			<2	<2	<2	<2		<2
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03			<2	<2	<2	<2		<2
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02			<0.5	<0.5	<0.5	<0.5		<0.5
N-Nitrosodiphenylamine	N	UG/L		1.20E+01			<0.5	<0.5	<0.5	<0.5		<0.5
N-Nitrosomorpholine	N	UG/L		1.20E-02			<2	<2	<2	<2		<2
N-Nitrosopiperidine	N	UG/L		8.20E-03			<0.5	<0.5	<0.5	<0.5		<0.5
N-Nitrosopyrrolidine	N	UG/L		3.70E-02			<0.5	<0.5	<0.5	<0.5		<0.5
O,O,O-Triethylphosphorothioate	N	UG/L					<2	<2	<2	<2		<2
O-Toluidine	N	UG/L					<0.5	<0.5	<0.5	<0.5		<0.5
para-Phenylenediamine	N	UG/L		3.80E+02			<76	<76	<76	<76		<77
Pentachlorobenzene	N	UG/L		3.20E-01			<0.5	<0.5	<0.5	<0.5		<0.5
Pentachloronitrobenzene	N	UG/L		1.20E-01			<2	<2	<2	<2		<2
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02			<1	<1	<1	<1		<1
Phenacetin	N	UG/L		3.40E+01			<0.5	<0.5	<0.5	<0.5		<0.5
Phenanthrene	N	UG/L		1.80E+02			<0.1	<0.1	<0.1	<0.1		<0.1
Phenol	N	UG/L		5.80E+02			<0.5	**3**	<0.5	<0.5		<0.5
Pyrene	N	UG/L		1.20E+01			**0.3 J**	<0.1	<0.1	<0.1		<0.1
Pyridine	N	UG/L		2.00E+00			<2	<2	<2	<2		<2
Safrole	N	UG/L		9.50E-02			<2	<2	<2	<2		<2

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-77-SO	MW-77-SO	MW-85-A	MW-86-SO	MW-87-SO	MW-88	MW-88
					Field Sample ID	GW4Q14-MW-77-SO	GWRFI-14-MW-77-SO	GWRFI-14-MW-85-A	GWRFI-14-MW-86-SO	GWRFI-14-MW-87-SO	GW4Q14-MW-88	GWRFI-14-MW-88
					Sample Name							
			Federal MCL	EPA SL Tap Water	Date Sampled	12/08/2014	12/08/2014	11/20/2014	11/21/2014	11/21/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01			<1	<1	<1	<1		<1
Thionazin	N	UG/L					<2	<2	<2	<2		<2
Dimethoate	N	UG/L		4.00E-01			<3	<3	<3	<3		<3
Pronamide	N	UG/L		1.20E+02			<0.5	<0.5	<0.5	<0.5		<0.5
Bis(2-Chloroisopropyl)Ether	N	UG/L					<0.5	<0.5	<0.5	<0.5		<0.5

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-89	MW-89	MW-89	MW-89
					Field Sample ID	GW4Q14-MW-89	GW4Q14-MW-89-D	GWRFI-14-MW-89	GWRFI-14-MW-89-D
			Federal MCL	EPA SL Tap Water	Sample Name				
					Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	DUP	FS	DUP
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01				<0.5	<0.5
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02				<0.5	<0.5
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02				<0.5	<0.5
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02				<0.5	<0.5
1,1-Dichloroethane	N	UG/L		2.70E+00				<0.5	<0.5
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01				<0.5	<0.5
1,2,3-Trichloropropane	N	UG/L		7.50E-04				<1	<1
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04				<2	<2
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01				<1	<1
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01				<0.5	<0.5
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01				<0.5	<0.5
1,3-Dichlorobenzene	N	UG/L						<1	<1
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01				<1	<1
2-Hexanone	N	UG/L		3.80E+00				<3	<3
Acetone	N	UG/L		1.40E+03				<6	<6
Acetonitrile	N	UG/L		1.30E+01				<25	<25
Acrolein	N	UG/L		4.20E-03				<40 UL	<40 UL
Acrylonitrile	N	UG/L		5.20E-02				<4	<4
Allyl Chloride	N	UG/L		2.10E-01				<1	<1
Benzene	N	UG/L	5.00E+00	4.50E-01		<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	N	UG/L		1.30E-01				<0.5	<0.5
Bromoform	N	UG/L		3.30E+00				<0.5	<0.5
Carbon Disulfide	N	UG/L		8.10E+01				<1	<1
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01				<0.5	<0.5
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00				<0.5	<0.5
Chlorodibromomethane	N	UG/L		1.70E-01				<0.5	<0.5
Chloroform	N	UG/L		2.20E-01				<0.5	<0.5
Chloroprene	N	UG/L		1.90E-02				<1	<1
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00				<0.5	<0.5
cis-1,3-Dichloropropene	N	UG/L						<0.5	<0.5
Dichlorodifluoromethane	N	UG/L		2.00E+01				<0.5 UL	<0.5 UL
Ethyl Chloride	N	UG/L		2.10E+03				<0.5 UL	<0.5 UL
Ethyl Methacrylate	N	UG/L		4.60E+01				<1	<1
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<0.5	<0.5	<0.5	<0.5
Formaldehyde	N	UG/L		4.30E-01				<20 UJ	**23 J**
Iodomethane	N	UG/L						<0.5	<0.5
Isobutyl Alcohol	N	UG/L		5.90E+02				<100	<100
Methacrylonitrile	N	UG/L		1.90E-01				<10	<10
Methyl Bromide	N	UG/L		7.50E-01				<0.5 UL	<0.5 UL

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			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-89	GW4Q14-MW-89-D	GWRFI-14-MW-89	GWRFI-14-MW-89-D
					Sample Name				
					Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	DUP	FS	DUP
Methyl Chloride	N	UG/L		1.90E+01				<0.5 UL	<0.5 UL
Methyl Ethyl Ketone	N	UG/L		5.60E+02				<3	<3
Methyl Isobutyl Ketone	N	UG/L		1.20E+02				<3	<3
Methyl Methacrylate	N	UG/L		1.40E+02				<1	<1
Methylene Bromide	N	UG/L		8.00E-01				<0.5	<0.5
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2	<2	<2	<2
Pentachloroethane	N	UG/L		6.40E-01				<1	<1
Propionitrile	N	UG/L						<30	<30
Styrene	N	UG/L	1.00E+02	1.20E+02				<1	<1
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00				<0.5	<0.5
Toluene	N	UG/L	1.00E+03	1.10E+02		<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01				<0.5	<0.5
trans-1,3-Dichloropropene	N	UG/L						<0.5	<0.5
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03				<15	<15
Trichloroethene	N	UG/L	5.00E+00	2.80E-01				<0.5	<0.5
Trichlorofluoromethane	N	UG/L		1.10E+02				<0.5	<0.5
Vinyl Acetate	N	UG/L		4.10E+01				<2 UL	<2 UL
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02				<0.5	<0.5
Xylenes	N	UG/L	1.00E+04	1.90E+01		<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01				<0.5 UL	<0.5 UL
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01				<0.5	<0.5
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01				<5	<5
1,3-Dinitrobenzene	N	UG/L		2.00E-01				<2	<2
1,4-Dioxane	N	UG/L		4.60E-01				**4 J**	**4 J**
1,4-Naphthoquinone	N	UG/L						<25	<25
1-Naphthylamine	N	UG/L						<5	<5
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01				<0.5	<0.5
2,4,5-Trichlorophenol	N	UG/L		1.20E+02				<0.5	<0.5
2,4,6-Trichlorophenol	N	UG/L		1.20E+00				<0.5	<0.5
2,4-Dichlorophenol	N	UG/L		4.60E+00				<0.5	<0.5
2,4-Dimethylphenol	N	UG/L		3.60E+01				<0.5	<0.5
2,4-Dinitrophenol	N	UG/L		3.90E+00				<10	<10
2,4-Dinitrotoluene	N	UG/L		2.40E-01				<1	<1
2,6-Dichlorophenol	N	UG/L						<0.5	<0.5
2,6-Dinitrotoluene	N	UG/L		4.80E-02				<0.5	<0.5
2-Acetylaminofluorene	N	UG/L		1.60E-02				<2 UL	<2 UL
2-Chloronaphthalene	N	UG/L		7.50E+01				<0.4	<0.4
2-Chlorophenol	N	UG/L		9.10E+00				<0.5	<0.5
2-Methylnaphthalene	N	UG/L		3.60E+00				<0.1	<0.1
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01				<0.5	<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-89	MW-89	MW-89	MW-89
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-89	GW4Q14-MW-89-D	GWRFI-14-MW-89	GWRFI-14-MW-89-D
					Sample Name				
					Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	DUP	FS	DUP
2-Naphthylamine	N	UG/L		3.90E-02				<5	<5
2-Nitroaniline	N	UG/L		1.90E+01				<0.5	<0.5
2-Nitrophenol	N	UG/L						<0.5	<0.5
2-Picoline	N	UG/L						<2	<2
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01				<2	<2
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03				<25	<25
3-Methylcholanthrene	N	UG/L		1.10E-03				<0.5	<0.5
3-Nitroaniline	N	UG/L						<0.5	<0.5
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01				<5	<5
4-Aminobiphenyl	N	UG/L		3.00E-03				<0.5	<0.5
4-Bromophenyl Phenyl Ether	N	UG/L						<0.5	<0.5
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02				<0.5	<0.5
4-Chloroaniline	N	UG/L		3.60E-01				<0.5	<0.5
4-Chlorophenyl Phenyl Ether	N	UG/L						<0.5	<0.5
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03				<0.5 UL	<0.5 UL
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02				<0.5	<0.5
4-Nitroaniline	N	UG/L		3.80E+00				<0.5	<0.5
4-Nitrophenol	N	UG/L						<10	<10
4-Nitroquinoline-N-Oxide	N	UG/L						<20 R	<20 R
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00				<0.5	<0.5
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04				<0.5	<0.5
Acenaphthene	N	UG/L		5.30E+01				<0.1	<0.1
Acenaphthylene	N	UG/L		5.30E+01				<0.1	<0.1
Acetophenone	N	UG/L		1.90E+02				<0.5	<0.5
Aniline	N	UG/L		1.30E+01				<0.5	<0.5
Anthracene	N	UG/L		1.80E+02				<0.1	<0.1
Benzo(A)Anthracene	N	UG/L		1.20E-02				<0.1	<0.1
Benzo(B)Fluoranthene	N	UG/L		3.40E-02				<0.1	<0.1
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01				<0.1	<0.1
Benzo(K)Fluoranthene	N	UG/L		3.40E-01				<0.1	<0.1
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03				<0.1	<0.1
Benzyl Alcohol	N	UG/L		2.00E+02				<10	<10
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00				<0.5	<0.5
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02				<0.5	<0.5
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00				<2	<2
Butyl Benzyl Phthalate	N	UG/L		1.60E+01				<2	<2
Chlorobenzilate	N	UG/L		3.10E-01				<3	<3
Chrysene	N	UG/L		3.40E+00				<0.1	<0.1
Diallate	N	UG/L		5.20E-01				<1	<1
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03				<0.1	<0.1
Dibenzofuran	N	UG/L		7.90E-01				<0.5	<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-89	MW-89	MW-89	MW-89
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-89	GW4Q14-MW-89-D	GWRFI-14-MW-89	GWRFI-14-MW-89-D
					Sample Name				
					Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	DUP	FS	DUP
Diethyl Phthalate	N	UG/L		1.50E+03				<2	<2
Dimethyl Phthalate	N	UG/L						<2	<2
Di-N-Butyl Phthalate	N	UG/L		9.00E+01				<2	<2
Ethyl Methanesulfonate	N	UG/L						<0.5	<0.5
Fluoranthene	N	UG/L		8.00E+01				**0.2 J**	**0.1 J**
Fluorene	N	UG/L		2.90E+01				<0.1	<0.1
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03				<0.1	<0.1
Hexachlorobutadiene	N	UG/L		1.40E-01				<0.5	<0.5
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02				<5 R	<5 R
Hexachloroethane	N	UG/L		3.30E-01				<1	<1
Hexachloropropylene	N	UG/L						<2 UL	<2 UL
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02				<0.1	<0.1
Isodrin	N	UG/L						<0.5	<0.5
Isophorone	N	UG/L		7.80E+01				<0.5	<0.5
Isosafrole	N	UG/L						<2	<2
Methapyrilene	N	UG/L						<15	<15
Methyl Methanesulfonate	N	UG/L		7.90E-01				<1	<1
Naphthalene	N	UG/L		1.70E-01		<1	<1	<0.1	<0.1
N-Dioctyl Phthalate	N	UG/L		2.00E+01				<2	<2
Nitrobenzene	N	UG/L		1.40E-01				<0.5	<0.5
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04				<2	<2
N-Nitrosodiethylamine	N	UG/L		1.70E-04				<0.5	<0.5
N-Nitrosodimethylamine	N	UG/L		1.10E-04				<2	<2
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03				<2	<2
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02				<0.5	<0.5
N-Nitrosodiphenylamine	N	UG/L		1.20E+01				<0.5	<0.5
N-Nitrosomorpholine	N	UG/L		1.20E-02				<2	<2
N-Nitrosopiperidine	N	UG/L		8.20E-03				<0.5	<0.5
N-Nitrosopyrrolidine	N	UG/L		3.70E-02				<0.5	<0.5
O,O,O-Triethylphosphorothioate	N	UG/L						<2	<2
O-Toluidine	N	UG/L						<0.5	<0.5
para-Phenylenediamine	N	UG/L		3.80E+02				<76	<76
Pentachlorobenzene	N	UG/L		3.20E-01				<0.5	<0.5
Pentachloronitrobenzene	N	UG/L		1.20E-01				<2	<2
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02				<1	<1
Phenacetin	N	UG/L		3.40E+01				<0.5	<0.5
Phenanthrene	N	UG/L		1.80E+02				**0.2 J**	<0.1
Phenol	N	UG/L		5.80E+02				<0.5	<0.5
Pyrene	N	UG/L		1.20E+01				**0.3 J**	**0.2 J**
Pyridine	N	UG/L		2.00E+00				<2	<2
Safrole	N	UG/L		9.50E-02				<2 UL	<2 UL

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-89	MW-89	MW-89	MW-89
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW4Q14-MW-89	GW4Q14-MW-89-D	GWRFI-14-MW-89	GWRFI-14-MW-89-D
					Sample Name				
					Date Sampled	12/10/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	DUP	FS	DUP
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01				<1	<1
Thionazin	N	UG/L						<2	<2
Dimethoate	N	UG/L		4.00E-01				<3	<3
Pronamide	N	UG/L		1.20E+02				<0.5	<0.5
Bis(2-Chloroisopropyl)Ether	N	UG/L						<0.5	<0.5

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-18-A	MW-18-A	MW-18-DO	MW-18-DO	MW-18-SO	MW-18-SO	MW-19-A	MW-19-A	MW-19-DO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-18-A	GWRFI-14-MW-18-A-Z	GWRFI-14-MW-18-DO	GWRFI-14-MW-18-DO-Z	GWRFI-14-MW-18-SO	GWRFI-14-MW-18-SO-Z	GWRFI-14-MW-19-A	GWRFI-14-MW-19-A-Z	GWRFI-14-MW-19-DO
					Sample Name									
					Date Sampled	11/19/2014	11/19/2014	11/19/2014	11/19/2014	11/19/2014	11/19/2014	11/13/2014	11/13/2014	11/13/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics														
Antimony	N	UG/L	6.00E+00	7.80E-01		**1.9**		<0.33		**2.7**		<0.33		**0.34 J**
Antimony	Y	UG/L	6.00E+00	7.80E-01			**1.3**		<0.33		**0.49 J**		<0.33	
Arsenic	N	UG/L	1.00E+01	5.20E-02		**0.95 J**		**11.6**		**11.2**		**11.3**		**56.6**
Arsenic	Y	UG/L	1.00E+01	5.20E-02			<0.82		**8.8**		**4.3**		**7.6**	
Barium	N	UG/L	2.00E+03	3.80E+02		**347**		**97.8**		**205**		**28900**		**466**
Barium	Y	UG/L	2.00E+03	3.80E+02			**338**		**95.8**		**185**		**29100**	
Beryllium	N	UG/L	4.00E+00	2.50E+00		<0.67		<0.67		<0.67		<0.67		<0.67
Beryllium	Y	UG/L	4.00E+00	2.50E+00			<0.67		<0.67		<0.67		<0.67	
Cadmium	N	UG/L	5.00E+00	9.20E-01		**1.4 J**		**0.41 J**		**0.59 J**		**0.51 J**		**3.0 J**
Cadmium	Y	UG/L	5.00E+00	9.20E-01			**0.82 J**		<0.33		<0.33		**0.55 J**	
Chromium	N	UG/L	1.00E+02	2.20E+03		**4.0 J**		**2.2 J**		**2.6 J**		<1.3		**1.6 J**
Chromium	Y	UG/L	1.00E+02	2.20E+03			**1.8 J**		**1.8 J**		**1.6 J**		**1.6 J**	
Cobalt	N	UG/L		6.00E-01		<1.0		**18.2**		<1.0		**2.5 J**		**44.1**
Cobalt	Y	UG/L		6.00E-01			<1.0		**18.3**		<1.0		**2.3 J**	
Copper	N	UG/L	1.30E+03	8.00E+01		**8.5 J**		**3.0 J**		**67.4**		**59.7**		**5.3 J**
Copper	Y	UG/L	1.30E+03	8.00E+01			<2.8		<2.8		<2.8		<2.8	
Lead	N	UG/L	1.50E+01	1.50E+01		**4.5**		**1.1**		**3.3**		<0.082		**3.6 J**
Lead	Y	UG/L	1.50E+01	1.50E+01			<0.082		<0.082		**0.088 J**		<0.082	
Mercury	N	UG/L	2.00E+00	6.30E-02		**0.085 J**		<0.060		<0.060		**0.066 B**		<0.060
Mercury	Y	UG/L	2.00E+00	6.30E-02			<0.060		<0.060		<0.060		<0.060	
Nickel	N	UG/L		3.90E+01		**12.8**		**7.8 J**		<1.6		**1.7 J**		**2.7 J**
Nickel	Y	UG/L		3.90E+01			**4.0 J**		**7.1 J**		<1.6		**2.2 J**	
Selenium	N	UG/L	5.00E+01	1.00E+01		<0.50		<0.50		<0.50		<0.50		<0.50
Selenium	Y	UG/L	5.00E+01	1.00E+01			<0.50		<0.50		<0.50		<0.50	
Silver	N	UG/L		9.40E+00		<1.8		<1.8		<1.8		<1.8		**2.4 J**
Silver	Y	UG/L		9.40E+00			<1.8		<1.8		<1.8		<1.8	
Thallium	N	UG/L	2.00E+00	2.00E-02		<0.15		<0.15		<0.15		<0.15		<0.15
Thallium	Y	UG/L	2.00E+00	2.00E-02			<0.15		<0.15		<0.15		<0.15	
Tin	N	UG/L		1.20E+03		<2.4		<2.4		<2.4		**4.1 J**		<2.4
Tin	Y	UG/L		1.20E+03			<2.4		<2.4		<2.4		**4.1 J**	
Vanadium	N	UG/L		8.60E+00		<1.9		<1.9		<1.9		<1.9		<1.9
Vanadium	Y	UG/L		8.60E+00			<1.9		<1.9		<1.9		<1.9	
Zinc	N	UG/L		6.00E+02		**63.1**		**43.6 J**		**113**		**73**		**104**
Zinc	Y	UG/L		6.00E+02			**13.2 B**		**49.9 J**		**48.2**		**53.4**	

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-19-DO	MW-19-SO	MW-19-SO	MW-20-A	MW-20-A	MW-20-A	MW-20-DO	MW-20-DO	MW-21-A	MW-21-A
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-19-DO-Z	GWRFI-14-MW-19-SO	GWRFI-14-MW-19-SO-Z	GW14-MW-20-A	GWRFI-14-MW-20-A	GWRFI-14-MW-20-A-Z	GWRFI-14-MW-20-DO	GWRFI-14-MW-20-DO-Z	GWRFI-14-MW-21-A	GWRFI-14-MW-21-A-Z
					Sample Name										
					Date Sampled	11/13/2014	11/13/2014	11/13/2014	12/02/2014	11/13/2014	11/13/2014	11/13/2014	11/13/2014	11/20/2014	11/20/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics															
Antimony	N	UG/L	6.00E+00	7.80E-01			<0.33			**1.7**		**52.2**		**1.5**	
Antimony	Y	UG/L	6.00E+00	7.80E-01		<0.33		<0.33			**1.7**		**2.6**		**1.3**
Arsenic	N	UG/L	1.00E+01	5.20E-02			**5.5**			**2.3**		**36**		**3.1**	
Arsenic	Y	UG/L	1.00E+01	5.20E-02		**3.4**		**3.3**			**2.2**		<0.82		**2.6**
Barium	N	UG/L	2.00E+03	3.80E+02			**63.6**			**196**		**765**		**236**	
Barium	Y	UG/L	2.00E+03	3.80E+02		**187**		**58.3**			**180**		**480**		**223**
Beryllium	N	UG/L	4.00E+00	2.50E+00			<0.67			<0.67		**4.3 J**		<0.67	
Beryllium	Y	UG/L	4.00E+00	2.50E+00		<0.67		<0.67			<0.67		<0.67		<0.67
Cadmium	N	UG/L	5.00E+00	9.20E-01			**1.4 J**			**0.35 J**		**8.3**		<0.33	
Cadmium	Y	UG/L	5.00E+00	9.20E-01		**0.62 J**		**1.3 J**			<0.33		**2.0 J**		<0.33
Chromium	N	UG/L	1.00E+02	2.20E+03			<1.3			**11.7 J**		**32.1**		**9.0 J**	
Chromium	Y	UG/L	1.00E+02	2.20E+03		<1.3		<1.3			**8.2 J**		<1.3		**5.2 J**
Cobalt	N	UG/L		6.00E-01			**19.5**			<1.0		**1.9 J**		<1.0	
Cobalt	Y	UG/L		6.00E-01		**12.2**		**16**			<1.0		<1.0		<1.0
Copper	N	UG/L	1.30E+03	8.00E+01			**13.3**			**11.4**		**92.2**		**80.9**	
Copper	Y	UG/L	1.30E+03	8.00E+01		<2.8		**6.4 J**			**10.2**		<2.8		**18.1**
Lead	N	UG/L	1.50E+01	1.50E+01			<0.082			**4.3 J**		**20.2 J**		**8.4**	
Lead	Y	UG/L	1.50E+01	1.50E+01		<0.082		<0.082			<0.082		<0.082		<0.082
Mercury	N	UG/L	2.00E+00	6.30E-02			<0.060			<0.060		**44.6**		**0.093 J**	
Mercury	Y	UG/L	2.00E+00	6.30E-02		<0.060		<0.060			<0.060		**0.088 B**		<0.060
Nickel	N	UG/L		3.90E+01			**11.8**			**6.7 J**		<8.0		**22.7**	
Nickel	Y	UG/L		3.90E+01		**2.9 J**		**12.5**			**2.4 J**		<1.6		**3.3 J**
Selenium	N	UG/L	5.00E+01	1.00E+01			<0.50			**0.51 J**		**2.6**		**0.50 J**	
Selenium	Y	UG/L	5.00E+01	1.00E+01		<0.50		<0.50			**0.59 J**		<0.50		**0.53 J**
Silver	N	UG/L		9.40E+00			**1.9 J**			<1.8		**4.4 J**		<1.8	
Silver	Y	UG/L		9.40E+00		<1.8		<1.8			<1.8		**2.7 J**		<1.8
Thallium	N	UG/L	2.00E+00	2.00E-02			<0.15			<0.15		<0.15		<0.15	
Thallium	Y	UG/L	2.00E+00	2.00E-02		<0.15		<0.15			<0.15		<0.15		<0.15
Tin	N	UG/L		1.20E+03			<2.4			<2.4		**6.8 J**		<2.4	
Tin	Y	UG/L		1.20E+03		<2.4		<2.4			<2.4		<2.4		<2.4
Vanadium	N	UG/L		8.60E+00			<1.9			**7**		**82.7**		**4.1 J**	
Vanadium	Y	UG/L		8.60E+00		<1.9		<1.9			**6.6**		<1.9		**2.2 J**
Zinc	N	UG/L		6.00E+02			**118**			**60**		**149**		**90.4**	
Zinc	Y	UG/L		6.00E+02		**30**		**67.3**			**5.5 B**		**27.6**		**13.0 B**

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

Summary of Groundwater Analytical Results - Site-Wide Groundwater
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area
Belle, West Virginia

Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-21-DO	MW-21-DO	MW-21-SO	MW-21-SO	MW-22-A	MW-22-A	MW-22-DO	MW-22-DO	MW-22-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-21-DO	GWRFI-14-MW-21-DO-Z	GWRFI-14-MW-21-SO	GWRFI-14-MW-21-SO-Z	GWRFI-14-MW-22-A	GWRFI-14-MW-22-A-Z	GWRFI-14-MW-22-DO	GWRFI-14-MW-22-DO-Z	GWRFI-14-MW-22-SO
					Sample Name									
					Date Sampled	11/17/2014	11/17/2014	11/17/2014	11/17/2014	11/20/2014	11/20/2014	11/20/2014	11/20/2014	11/20/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics														
Antimony	N	UG/L	6.00E+00	7.80E-01		**0.73 J**		<0.33		<0.33		<0.33		<0.33
Antimony	Y	UG/L	6.00E+00	7.80E-01			**0.46 J**		<0.33		<0.33		<0.33	
Arsenic	N	UG/L	1.00E+01	5.20E-02		**45.6**		<0.82		**42.4**		**21.3**		**0.94 J**
Arsenic	Y	UG/L	1.00E+01	5.20E-02			**41.7**		<0.82		**30.9**		**20**	
Barium	N	UG/L	2.00E+03	3.80E+02		**150**		**149**		**1320**		**293**		**1460.000 J**
Barium	Y	UG/L	2.00E+03	3.80E+02			**123**		**148**		**1270**		**256**	
Beryllium	N	UG/L	4.00E+00	2.50E+00		**3.5 J**		<0.67		<0.67		<0.67		<0.67
Beryllium	Y	UG/L	4.00E+00	2.50E+00			**2.7 J**		<0.67		<0.67		<0.67	
Cadmium	N	UG/L	5.00E+00	9.20E-01		<0.33		<0.33		**0.82 J**		**0.76 J**		**4.1 J**
Cadmium	Y	UG/L	5.00E+00	9.20E-01			<0.33		<0.33		**1.1 J**		**1.2 J**	
Chromium	N	UG/L	1.00E+02	2.20E+03		**42.6**		**1.5 B**		**2.0 J**		**2.4 J**		**3.0 J**
Chromium	Y	UG/L	1.00E+02	2.20E+03			**40.5**		<1.3		<1.3		<1.3	
Cobalt	N	UG/L		6.00E-01		**4.5 J**		<1.0		<1.0		<1.0		**26.3**
Cobalt	Y	UG/L		6.00E-01			**4.1 J**		<1.0		<1.0		<1.0	
Copper	N	UG/L	1.30E+03	8.00E+01		**43.2**		**2.9 J**		<2.8		**4.5 J**		**280**
Copper	Y	UG/L	1.30E+03	8.00E+01			**23.3**		<2.8		<2.8		<2.8	
Lead	N	UG/L	1.50E+01	1.50E+01		**18.7**		**0.12 J**		**0.39 J**		**0.41 J**		**0.31 J**
Lead	Y	UG/L	1.50E+01	1.50E+01			**11.5**		<0.082		<0.082		<0.082	
Mercury	N	UG/L	2.00E+00	6.30E-02		<0.060		<0.060		<0.060		<0.060		<0.060
Mercury	Y	UG/L	2.00E+00	6.30E-02			<0.060		<0.060		<0.060		<0.060	
Nickel	N	UG/L		3.90E+01		**8.3 J**		<1.6		**32.6**		<1.6		**45.2**
Nickel	Y	UG/L		3.90E+01			**6.4 J**		<1.6		**10.3**		<1.6	
Selenium	N	UG/L	5.00E+01	1.00E+01		**1.4 J**		<0.50		<0.50		<0.50		**1.6 J**
Selenium	Y	UG/L	5.00E+01	1.00E+01			**1.3 J**		<0.50		<0.50		<0.50	
Silver	N	UG/L		9.40E+00		<1.8		<1.8		<1.8		<1.8		<1.8
Silver	Y	UG/L		9.40E+00			<1.8		<1.8		<1.8		<1.8	
Thallium	N	UG/L	2.00E+00	2.00E-02		<0.15		<0.15		<0.15		<0.15		**0.26 J**
Thallium	Y	UG/L	2.00E+00	2.00E-02			<0.15		<0.15		<0.15		<0.15	
Tin	N	UG/L		1.20E+03		<2.4		<2.4		<2.4		<2.4		<2.4
Tin	Y	UG/L		1.20E+03			<2.4		<2.4		<2.4		<2.4	
Vanadium	N	UG/L		8.60E+00		**188**		<1.9		<1.9		<1.9		<1.9
Vanadium	Y	UG/L		8.60E+00			**161**		<1.9		<1.9		<1.9	
Zinc	N	UG/L		6.00E+02		**23.5**		**35.7**		**9.5 J**		**30.8 J**		**246**
Zinc	Y	UG/L		6.00E+02			**14.2 J**		**28.3**		**18.6 B**		**46.8 J**	

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
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UJ-Not detected; reporting limit may not be accurate or precise
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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-22-SO	MW-23-A	MW-23-A	MW-23-DO	MW-23-DO	MW-23-SO	MW-23-SO	MW-24-A	MW-24-A
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-22-SO-Z	GWRFI-14-MW-23-A	GWRFI-14-MW-23-A-Z	GWRFI-14-MW-23-DO	GWRFI-14-MW-23-DO-Z	GWRFI-14-MW-23-SO	GWRFI-14-MW-23-SO-Z	GWRFI-14-MW-24-A	GWRFI-14-MW-24-A-Z
					Sample Name									
					Date Sampled	11/20/2014	11/19/2014	11/19/2014	11/19/2014	11/19/2014	11/19/2014	11/19/2014	12/04/2014	12/04/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics														
Antimony	N	UG/L	6.00E+00	7.80E-01			<0.33		<0.33		**2.6**		**0.42 J**	
Antimony	Y	UG/L	6.00E+00	7.80E-01		<0.33		<0.33		<0.33		**2**		**0.54 J**
Arsenic	N	UG/L	1.00E+01	5.20E-02			<0.82		<0.82		**3.6**		**2.4**	
Arsenic	Y	UG/L	1.00E+01	5.20E-02		**1.1 J**		<0.82		<0.82		**1.2 J**		**2.5**
Barium	N	UG/L	2.00E+03	3.80E+02			**2400**		**2730**		**120**		**53**	
Barium	Y	UG/L	2.00E+03	3.80E+02		**1760.000 J**		**2380**		**2700**		**107**		**53.8**
Beryllium	N	UG/L	4.00E+00	2.50E+00			<0.67		<0.67		<0.67		<0.67	
Beryllium	Y	UG/L	4.00E+00	2.50E+00		<0.67		<0.67		<0.67		<0.67		<0.67
Cadmium	N	UG/L	5.00E+00	9.20E-01			<0.33		**0.43 J**		**0.45 J**		<0.33	
Cadmium	Y	UG/L	5.00E+00	9.20E-01		**4.6 J**		<0.33		**0.64 J**		**0.46 J**		<0.33
Chromium	N	UG/L	1.00E+02	2.20E+03			<1.3		**2.4 J**		**23.6**		<1.3	
Chromium	Y	UG/L	1.00E+02	2.20E+03		**1.5 J**		<1.3		**1.8 J**		**4.3 J**		<1.3
Cobalt	N	UG/L		6.00E-01			<1.0		<1.0		**8.8**		<1.0	
Cobalt	Y	UG/L		6.00E-01		**20.4**		<1.0		<1.0		**4.4 J**		<1.0
Copper	N	UG/L	1.30E+03	8.00E+01			<2.8		<2.8		**40.5**		<2.8	
Copper	Y	UG/L	1.30E+03	8.00E+01		**121**		<2.8		<2.8		**8.1 J**		<2.8
Lead	N	UG/L	1.50E+01	1.50E+01			<0.082		<0.082		**14.2**		<0.082	
Lead	Y	UG/L	1.50E+01	1.50E+01		**0.14 J**		<0.082		<0.082		**0.39 J**		<0.082
Mercury	N	UG/L	2.00E+00	6.30E-02			<0.060		<0.060		**1.1**		<0.060	
Mercury	Y	UG/L	2.00E+00	6.30E-02		<0.060		<0.060		<0.060		**0.17 J**		<0.060
Nickel	N	UG/L		3.90E+01			<1.6		<1.6		**12**		**9.9 J**	
Nickel	Y	UG/L		3.90E+01		**41.1**		<1.6		<1.6		**3.5 J**		**9.6 J**
Selenium	N	UG/L	5.00E+01	1.00E+01			<0.50		<0.50		**2.5**		**0.54 J**	
Selenium	Y	UG/L	5.00E+01	1.00E+01		**1.7 J**		<0.50		<0.50		**2.3**		**0.54 J**
Silver	N	UG/L		9.40E+00			<1.8		<1.8		<1.8		<1.8	
Silver	Y	UG/L		9.40E+00		<1.8		<1.8		<1.8		<1.8		<1.8
Thallium	N	UG/L	2.00E+00	2.00E-02			<0.15		<0.15		<0.15		<0.15	
Thallium	Y	UG/L	2.00E+00	2.00E-02		<0.15		<0.15		<0.15		<0.15		<0.15
Tin	N	UG/L		1.20E+03			<2.4		<2.4		<2.4		<2.4	
Tin	Y	UG/L		1.20E+03		<2.4		<2.4		<2.4		<2.4		<2.4
Vanadium	N	UG/L		8.60E+00			<1.9		<1.9		**5.1**		<1.9	
Vanadium	Y	UG/L		8.60E+00		<1.9		<1.9		<1.9		<1.9		<1.9
Zinc	N	UG/L		6.00E+02			**2.3 B**		**40.6 J**		**82.2**		**4.3 J**	
Zinc	Y	UG/L		6.00E+02		**143**		<2.0		**46.9 J**		**47.5**		**2.8 J**

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-24-DO	MW-24-DO	MW-24-SO	MW-24-SO	MW-25-SO	MW-25-SO	MW-26-SO	MW-26-SO	MW-27-DO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-24-DO	GWRFI-14-MW-24-DO-Z	GWRFI-14-MW-24-SO	GWRFI-14-MW-24-SO-Z	GWRFI-14-MW-25-SO	GWRFI-14-MW-25-SO-Z	GWRFI-14-MW-26-SO	GWRFI-14-MW-26-SO-Z	GWRFI-14-MW-27-DO
					Sample Name									
					Date Sampled	12/04/2014	12/04/2014	12/03/2014	12/03/2014	12/03/2014	12/03/2014	12/04/2014	12/04/2014	11/17/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics														
Antimony	N	UG/L	6.00E+00	7.80E-01		<0.33		<0.33		<0.33		**13**		<0.33
Antimony	Y	UG/L	6.00E+00	7.80E-01			<0.33		<0.33		<0.33		**4.8**	
Arsenic	N	UG/L	1.00E+01	5.20E-02		**0.99 J**		**70.9**		**131**		**3.8**		**2.8**
Arsenic	Y	UG/L	1.00E+01	5.20E-02			<0.82		**65.5**		**105**		<0.82	
Barium	N	UG/L	2.00E+03	3.80E+02		**2290**		**805**		**3780**		**326**		**118**
Barium	Y	UG/L	2.00E+03	3.80E+02			**2280**		**759**		**3230**		**30.8**	
Beryllium	N	UG/L	4.00E+00	2.50E+00		<0.67		<0.67		<0.67		<0.67		<0.67
Beryllium	Y	UG/L	4.00E+00	2.50E+00			<0.67		<0.67		<0.67		<0.67	
Cadmium	N	UG/L	5.00E+00	9.20E-01		<0.33		<0.33		<0.33		**3.1 J**		<0.33
Cadmium	Y	UG/L	5.00E+00	9.20E-01			<0.33		<0.33		**0.44 J**		<0.33	
Chromium	N	UG/L	1.00E+02	2.20E+03		**2.2 J**		**2.1 J**		**2.7 J**		**22.7**		**2.3 J**
Chromium	Y	UG/L	1.00E+02	2.20E+03			**2.2 J**		**1.7 J**		**2.5 J**		**6.1 J**	
Cobalt	N	UG/L		6.00E-01		<1.0		<1.0		<1.0		**8.1**		**1.2 J**
Cobalt	Y	UG/L		6.00E-01			<1.0		<1.0		<1.0		<1.0	
Copper	N	UG/L	1.30E+03	8.00E+01		<2.8		**6.1 J**		**9.4 J**		**46.8**		**45.1**
Copper	Y	UG/L	1.30E+03	8.00E+01			<2.8		<2.8		<2.8		**4.4 J**	
Lead	N	UG/L	1.50E+01	1.50E+01		<0.082		**0.41 J**		**0.77 J**		**19.1**		**1.4**
Lead	Y	UG/L	1.50E+01	1.50E+01			<0.082		<0.082		<0.082		**0.20 J**	
Mercury	N	UG/L	2.00E+00	6.30E-02		<0.060		<0.060		<0.060		**0.17 J**		<0.060
Mercury	Y	UG/L	2.00E+00	6.30E-02			<0.060		<0.060		<0.060		<0.060	
Nickel	N	UG/L		3.90E+01		<1.6		<1.6		**18.5**		**14.2**		<1.6
Nickel	Y	UG/L		3.90E+01			<1.6		<1.6		**18.9**		<1.6	
Selenium	N	UG/L	5.00E+01	1.00E+01		<0.50		<0.50		**0.57 J**		**0.93 J**		<0.50
Selenium	Y	UG/L	5.00E+01	1.00E+01			<0.50		<0.50		**0.50 J**		**0.74 J**	
Silver	N	UG/L		9.40E+00		<1.8		<1.8		<1.8		<1.8		<1.8
Silver	Y	UG/L		9.40E+00			<1.8		<1.8		<1.8		<1.8	
Thallium	N	UG/L	2.00E+00	2.00E-02		<0.15		<0.15		<0.15		<0.15		<0.15
Thallium	Y	UG/L	2.00E+00	2.00E-02			<0.15		<0.15		<0.15		<0.15	
Tin	N	UG/L		1.20E+03		<2.4		<2.4		<2.4		<2.4		<2.4
Tin	Y	UG/L		1.20E+03			<2.4		<2.4		<2.4		<2.4	
Vanadium	N	UG/L		8.60E+00		<1.9		<1.9		**1.9 J**		**7.5**		**5.4**
Vanadium	Y	UG/L		8.60E+00			<1.9		<1.9		<1.9		<1.9	
Zinc	N	UG/L		6.00E+02		**29.3**		**25.7**		**11.0 J**		**221**		**3.3 J**
Zinc	Y	UG/L		6.00E+02			**23.9**		**22.2**		**7.2 J**		**14.8 J**	

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
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			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-27-DO-Z	GWRFI-14-MW-27-SO	GWRFI-14-MW-27-SO-Z	GWRFI-14-MW-29-DO	GWRFI-14-MW-29-DO-Z	GWRFI-14-MW-30-SO	GWRFI-14-MW-30-SO-Z	GWRFI-14-MW-31-DO	GWRFI-14-MW-31-DO-Z
					Sample Name									
					Date Sampled	11/17/2014	11/17/2014	11/17/2014	11/17/2014	11/17/2014	11/20/2014	11/20/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics														
Antimony	N	UG/L	6.00E+00	7.80E-01			**3.2**		<0.33 UJ		<0.33		<0.33	
Antimony	Y	UG/L	6.00E+00	7.80E-01		<0.33		<0.33		<0.33 UJ		<0.33		<0.33
Arsenic	N	UG/L	1.00E+01	5.20E-02			**5.2**		**0.87 J**		<0.82		**0.90 J**	
Arsenic	Y	UG/L	1.00E+01	5.20E-02		**2.9**		**1.4 J**		<0.82		<0.82		<0.82
Barium	N	UG/L	2.00E+03	3.80E+02			**139**		**197**		**70.5**		**2920**	
Barium	Y	UG/L	2.00E+03	3.80E+02		**118**		**102**		**194**		**48.2**		**2920**
Beryllium	N	UG/L	4.00E+00	2.50E+00			<0.67		<0.67		<0.67		<0.67	
Beryllium	Y	UG/L	4.00E+00	2.50E+00		<0.67		<0.67		<0.67		<0.67		<0.67
Cadmium	N	UG/L	5.00E+00	9.20E-01			<0.33		<0.33		**0.53 J**		<0.33	
Cadmium	Y	UG/L	5.00E+00	9.20E-01		<0.33		<0.33		<0.33		<0.33		<0.33
Chromium	N	UG/L	1.00E+02	2.20E+03			**22.1**		**1.8 J**		**3.2 J**		**2.1 J**	
Chromium	Y	UG/L	1.00E+02	2.20E+03		<1.3		**2.5 J**		**2.1 J**		<1.3		<1.3
Cobalt	N	UG/L		6.00E-01			**12.9**		<1.0		**8.1**		<1.0	
Cobalt	Y	UG/L		6.00E-01		<1.0		<1.0		<1.0		**3.4 J**		<1.0
Copper	N	UG/L	1.30E+03	8.00E+01			**141**		<2.8		**4.8 J**		**9.5 J**	
Copper	Y	UG/L	1.30E+03	8.00E+01		<2.8		**4.2 J**		<2.8		**2.9 J**		**3.2 J**
Lead	N	UG/L	1.50E+01	1.50E+01			**39.9**		**0.34 J**		<0.082		**2.4**	
Lead	Y	UG/L	1.50E+01	1.50E+01		<0.082		**1.5**		<0.082		<0.082		<0.082
Mercury	N	UG/L	2.00E+00	6.30E-02			**0.59**		<0.060		<0.060		<0.060	
Mercury	Y	UG/L	2.00E+00	6.30E-02		<0.060		<0.060		<0.060		<0.060		<0.060
Nickel	N	UG/L		3.90E+01			**10.8**		<1.6		**49.7**		<1.6	
Nickel	Y	UG/L		3.90E+01		<1.6		**1.7 J**		<1.6		**6.8 J**		<1.6
Selenium	N	UG/L	5.00E+01	1.00E+01			<0.50		<0.50		<0.50		**0.70 J**	
Selenium	Y	UG/L	5.00E+01	1.00E+01		<0.50		<0.50		<0.50		<0.50		**0.62 J**
Silver	N	UG/L		9.40E+00			<1.8		<1.8		<1.8		**2.1 J**	
Silver	Y	UG/L		9.40E+00		<1.8		<1.8		<1.8		<1.8		**2.3 J**
Thallium	N	UG/L	2.00E+00	2.00E-02			<0.15		<0.15		<0.15		<0.15	
Thallium	Y	UG/L	2.00E+00	2.00E-02		<0.15		<0.15		<0.15		<0.15		<0.15
Tin	N	UG/L		1.20E+03			<2.4		**2.5 J**		<2.4		<2.4	
Tin	Y	UG/L		1.20E+03		<2.4		<2.4		<2.4		<2.4		<2.4
Vanadium	N	UG/L		8.60E+00			**11.6**		<1.9		<1.9		<1.9	
Vanadium	Y	UG/L		8.60E+00		**2.6 J**		<1.9		<1.9		<1.9		<1.9
Zinc	N	UG/L		6.00E+02			**120**		**56.9**		**75.2**		**31.5**	
Zinc	Y	UG/L		6.00E+02		<2.0		**46.5**		**34.9**		**57.7**		**26.1**

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

Summary of Groundwater Analytical Results - Site-Wide Groundwater
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area
Belle, West Virginia

Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-31-SO	MW-31-SO	MW-32-DO	MW-32-DO	MW-35-DO	MW-35-DO	MW-36-SO	MW-36-SO	MW-39-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-31-SO	GWRFI-14-MW-31-SO-Z	GWRFI-14-MW-32-DO	GWRFI-14-MW-32-DO-Z	GWRFI-14-MW-35-DO	GWRFI-14-MW-35-DO-Z	GWRFI-14-MW-36-SO	GWRFI-14-MW-36-SO-Z	GWRFI-14-MW-39-SO
					Sample Name									
					Date Sampled	12/10/2014	12/10/2014	11/17/2014	11/17/2014	11/13/2014	11/13/2014	12/10/2014	12/10/2014	12/04/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics														
Antimony	N	UG/L	6.00E+00	7.80E-01		**12.7**		<0.33 UJ		<0.33		**3.2**		**2.7**
Antimony	Y	UG/L	6.00E+00	7.80E-01			<0.33		<0.33 UJ		<0.33		**2.1 B**	
Arsenic	N	UG/L	1.00E+01	5.20E-02		**256**		**1.1 J**		**1.2 J**		**4.4 L**		**2**
Arsenic	Y	UG/L	1.00E+01	5.20E-02			**15.8**		<0.82		<0.82		**1.0 B**	
Barium	N	UG/L	2.00E+03	3.80E+02		**35200**		**79.5**		**291**		**126**		**58.6**
Barium	Y	UG/L	2.00E+03	3.80E+02			**384**		**70.4**		**295**		**110**	
Beryllium	N	UG/L	4.00E+00	2.50E+00		<3.4		<0.67		<0.67		<0.67		<0.67
Beryllium	Y	UG/L	4.00E+00	2.50E+00			<0.67		<0.67		<0.67		<0.67	
Cadmium	N	UG/L	5.00E+00	9.20E-01		<8.3		<0.33		**0.43 J**		<0.33		<0.33
Cadmium	Y	UG/L	5.00E+00	9.20E-01			<0.33		<0.33		**0.52 J**		<0.33	
Chromium	N	UG/L	1.00E+02	2.20E+03		**477**		**4.5 J**		<1.3		**13.6 J**		**11.0 J**
Chromium	Y	UG/L	1.00E+02	2.20E+03			**7.0 J**		**3.2 J**		<1.3		<1.3	
Cobalt	N	UG/L		6.00E-01		**32.7**		**121**		**26.8**		<1.0		<1.0
Cobalt	Y	UG/L		6.00E-01			<1.0		**129**		**27.6**		<1.0	
Copper	N	UG/L	1.30E+03	8.00E+01		**2950**		**3.8 J**		**3.5 J**		**8.7 J**		**5.1 J**
Copper	Y	UG/L	1.30E+03	8.00E+01			<2.8		<2.8		<2.8		<2.8	
Lead	N	UG/L	1.50E+01	1.50E+01		**241**		**1.6**		**1.5 J**		**1.8**		**1.3**
Lead	Y	UG/L	1.50E+01	1.50E+01			<0.082		<0.082		**0.18 J**		<0.082	
Mercury	N	UG/L	2.00E+00	6.30E-02		**0.92 J**		<0.060		<0.060		<0.060		<0.060
Mercury	Y	UG/L	2.00E+00	6.30E-02			<0.060		<0.060		<0.060		<0.060	
Nickel	N	UG/L		3.90E+01		**2170**		**53.1**		**13.9**		<1.6		**1.7 J**
Nickel	Y	UG/L		3.90E+01			**6.0 J**		**55.2**		**15**		<1.6	
Selenium	N	UG/L	5.00E+01	1.00E+01		**21.5**		<0.50		<0.50		<0.50		**2.2**
Selenium	Y	UG/L	5.00E+01	1.00E+01			**3.5**		<0.50		<0.50		<0.50	
Silver	N	UG/L		9.40E+00		**121**		**2.5 J**		<1.8		<1.8		<1.8
Silver	Y	UG/L		9.40E+00			<1.8		<1.8		<1.8		<1.8	
Thallium	N	UG/L	2.00E+00	2.00E-02		**1.4 J**		<0.15		<0.15		<0.15		<0.15
Thallium	Y	UG/L	2.00E+00	2.00E-02			<0.15		<0.15		<0.15		<0.15	
Tin	N	UG/L		1.20E+03		**98.5 J**		<2.4		**2.8 J**		<2.4		<2.4
Tin	Y	UG/L		1.20E+03			<2.4		<2.4		<2.4		<2.4	
Vanadium	N	UG/L		8.60E+00		**173**		**2.0 J**		<1.9		<1.9		**2.2 J**
Vanadium	Y	UG/L		8.60E+00			**3.7 J**		<1.9		<1.9		<1.9	
Zinc	N	UG/L		6.00E+02		**1190**		**105**		**88.1**		**31.6**		**20.8**
Zinc	Y	UG/L		6.00E+02			<2.0		**41.4**		**87.1**		**10.4 J**	

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
Notes:
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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
UL-Not detected; reporting limit is expected to be higher
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Belle, West Virginia

Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-39-SO	MW-70-SO	MW-70-SO	MW-72-SO	MW-72-SO	MW-72-SO	MW-72-SO	MW-73-SO	MW-73-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-39-SO-Z	GWRFI-14-MW-70-SO	GWRFI-14-MW-70-SO-Z	GWRFI-14-MW-72-SO	GWRFI-14-MW-72-SO-D	GWRFI-14-MW-72-SO-Z	GWRFI-14-MW-72-SO-Z-D	GWRFI-14-MW-73-SO	GWRFI-14-MW-73-SO-Z
					Sample Name									
					Date Sampled	12/04/2014	11/19/2014	11/19/2014	11/21/2014	11/21/2014	11/21/2014	11/21/2014	12/03/2014	12/03/2014
					Sample Purpose	FS	FS	FS	FS	DUP	FS	DUP	FS	FS
Inorganics														
Antimony	N	UG/L	6.00E+00	7.80E-01			<0.33		**10.2**	**10.3**			<0.33	
Antimony	Y	UG/L	6.00E+00	7.80E-01		**2.2**		<0.33			**8.4**	**7.8**		<0.33
Arsenic	N	UG/L	1.00E+01	5.20E-02			**1.0 J**		**1.7 J**	**1.5 J**			**13.8**	
Arsenic	Y	UG/L	1.00E+01	5.20E-02		<0.82		**1.3 J**			<0.82	**1.1 J**		**11.3**
Barium	N	UG/L	2.00E+03	3.80E+02			**98**		**82.3**	**84.5**			**425**	
Barium	Y	UG/L	2.00E+03	3.80E+02		**48.9**		**97**			**79.5**	**90.8**		**402**
Beryllium	N	UG/L	4.00E+00	2.50E+00			<0.67		<0.67	<0.67			<0.67	
Beryllium	Y	UG/L	4.00E+00	2.50E+00		<0.67		<0.67			<0.67	<0.67		<0.67
Cadmium	N	UG/L	5.00E+00	9.20E-01			<0.33		**0.47 J**	**0.40 J**			<0.33	
Cadmium	Y	UG/L	5.00E+00	9.20E-01		<0.33		<0.33			<0.33	<0.33		<0.33
Chromium	N	UG/L	1.00E+02	2.20E+03			**25.2**		**1.5 J**	<1.3			**3.3 J**	
Chromium	Y	UG/L	1.00E+02	2.20E+03		**8.1 J**		**2.9 J**			<1.3	<1.3		**1.6 J**
Cobalt	N	UG/L		6.00E-01			<1.0		**3.3 J**	**3.4 J**			<1.0	
Cobalt	Y	UG/L		6.00E-01		<1.0		<1.0			**3.8 J**	**5.0 J**		<1.0
Copper	N	UG/L	1.30E+03	8.00E+01			**26.1**		<2.8	<2.8			**7.5 J**	
Copper	Y	UG/L	1.30E+03	8.00E+01		<2.8		<2.8			<2.8	<2.8		<2.8
Lead	N	UG/L	1.50E+01	1.50E+01			**2.2**		**0.25 J**	**0.15 J**			**1**	
Lead	Y	UG/L	1.50E+01	1.50E+01		<0.082		<0.082			<0.082	<0.082		<0.082
Mercury	N	UG/L	2.00E+00	6.30E-02			**0.2**		<0.060	<0.060			<0.060	
Mercury	Y	UG/L	2.00E+00	6.30E-02		<0.060		<0.060			<0.060	<0.060		<0.060
Nickel	N	UG/L		3.90E+01			<1.6		**25.6 J**	**26.6 J**			<1.6	
Nickel	Y	UG/L		3.90E+01		<1.6		<1.6			**29.1 J**	**29.7 J**		<1.6
Selenium	N	UG/L	5.00E+01	1.00E+01			<0.50		**2.1**	**1.7 J**			<0.50	
Selenium	Y	UG/L	5.00E+01	1.00E+01		**2**		<0.50			**0.96 J**	**1.2 J**		<0.50
Silver	N	UG/L		9.40E+00			<1.8		<1.8	<1.8			<1.8	
Silver	Y	UG/L		9.40E+00		<1.8		<1.8			<1.8	<1.8		<1.8
Thallium	N	UG/L	2.00E+00	2.00E-02			<0.15		**0.24 J**	**0.22 J**			<0.15	
Thallium	Y	UG/L	2.00E+00	2.00E-02		<0.15		<0.15			**0.23 J**	**0.20 J**		<0.15
Tin	N	UG/L		1.20E+03			<2.4		<2.4	<2.4			<2.4	
Tin	Y	UG/L		1.20E+03		<2.4		<2.4			<2.4	<2.4		<2.4
Vanadium	N	UG/L		8.60E+00			**2.5 J**		<1.9	<1.9			<1.9	
Vanadium	Y	UG/L		8.60E+00		<1.9		<1.9			<1.9	<1.9		<1.9
Zinc	N	UG/L		6.00E+02			**21.4 B**		**58.5**	**60.5**			**18.7 J**	
Zinc	Y	UG/L		6.00E+02		**6.7 J**		**11.5 B**			**59.9**	**66.2**		**7.3 J**

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Belle, West Virginia

Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-75-SO	MW-75-SO	MW-76-SO	MW-76-SO	MW-77-SO	MW-77-SO	MW-85-A	MW-85-A	MW-86-SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-75-SO	GWRFI-14-MW-75-SO-Z	GWRFI-14-MW-76-SO	GWRFI-14-MW-76-SO-Z	GWRFI-14-MW-77-SO	GWRFI-14-MW-77-SO-Z	GWRFI-14-MW-85-A	GWRFI-14-MW-85-A-Z	GWRFI-14-MW-86-SO
					Sample Name									
					Date Sampled	12/03/2014	12/03/2014	12/10/2014	12/10/2014	12/08/2014	12/08/2014	11/20/2014	11/20/2014	11/21/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Inorganics														
Antimony	N	UG/L	6.00E+00	7.80E-01		<0.33		<0.33		<0.33		<0.33		<0.33
Antimony	Y	UG/L	6.00E+00	7.80E-01			<0.33		<0.33		<0.33		<0.33	
Arsenic	N	UG/L	1.00E+01	5.20E-02		**56.9**		**4.4 L**		**4.1**		**1.4 J**		<0.82
Arsenic	Y	UG/L	1.00E+01	5.20E-02			**50.4**		**5.0 J**		**3.3**		**1.0 J**	
Barium	N	UG/L	2.00E+03	3.80E+02		**103**		**782**		**204**		**3200**		**44.3**
Barium	Y	UG/L	2.00E+03	3.80E+02			**78.3**		**802**		**189**		**1700**	
Beryllium	N	UG/L	4.00E+00	2.50E+00		<0.67		<0.67		<0.67		<0.67		<0.67
Beryllium	Y	UG/L	4.00E+00	2.50E+00			<0.67		<0.67		<0.67		<0.67	
Cadmium	N	UG/L	5.00E+00	9.20E-01		<0.33		<0.33		**0.64 J**		<0.33		**2.2 J**
Cadmium	Y	UG/L	5.00E+00	9.20E-01			<0.33		<0.33		**0.35 J**		<0.33	
Chromium	N	UG/L	1.00E+02	2.20E+03		**1.8 J**		**2.0 B**		**7.8 J**		**1.7 J**		**2.3 J**
Chromium	Y	UG/L	1.00E+02	2.20E+03			**2.0 J**		**2.2 J**		**5.4 J**		<1.3	
Cobalt	N	UG/L		6.00E-01		<1.0		<1.0		**248**		<1.0		**51.7**
Cobalt	Y	UG/L		6.00E-01			<1.0		<1.0		**247**		<1.0	
Copper	N	UG/L	1.30E+03	8.00E+01		<2.8		<2.8		**743**		<2.8		**15.7 J**
Copper	Y	UG/L	1.30E+03	8.00E+01			<2.8		<2.8		<2.8		<2.8	
Lead	N	UG/L	1.50E+01	1.50E+01		**0.19 J**		**0.30 J**		**0.26 J**		**0.18 J**		**1.6**
Lead	Y	UG/L	1.50E+01	1.50E+01			<0.082		<0.082		<0.082		**0.10 J**	
Mercury	N	UG/L	2.00E+00	6.30E-02		<0.060		<0.060		<0.060		<0.060		<0.060
Mercury	Y	UG/L	2.00E+00	6.30E-02			<0.060		<0.060		<0.060		<0.060	
Nickel	N	UG/L		3.90E+01		<1.6		<1.6		**85.4**		**3.3 J**		**43.8**
Nickel	Y	UG/L		3.90E+01			<1.6		<1.6		**79.4**		**2.2 J**	
Selenium	N	UG/L	5.00E+01	1.00E+01		<0.50		**1.4 J**		**1.0 J**		<0.50		<0.50
Selenium	Y	UG/L	5.00E+01	1.00E+01			<0.50		**4.2 J**		**0.85 J**		<0.50	
Silver	N	UG/L		9.40E+00		<1.8		<1.8		<1.8		<1.8		<1.8
Silver	Y	UG/L		9.40E+00			<1.8		<1.8		<1.8		<1.8	
Thallium	N	UG/L	2.00E+00	2.00E-02		<0.15		<0.15		<0.15		<0.15		<0.15
Thallium	Y	UG/L	2.00E+00	2.00E-02			<0.15		<0.15		<0.15		<0.15	
Tin	N	UG/L		1.20E+03		<2.4		<2.4		<2.4		<2.4		<2.4
Tin	Y	UG/L		1.20E+03			<2.4		<2.4		<2.4		<2.4	
Vanadium	N	UG/L		8.60E+00		<1.9		<1.9		**2.4 J**		<1.9		<1.9
Vanadium	Y	UG/L		8.60E+00			<1.9		<1.9		**2.4 J**		<1.9	
Zinc	N	UG/L		6.00E+02		**9.2 J**		**4.5 J**		**136**		**19.8 B**		**92.9 R**
Zinc	Y	UG/L		6.00E+02			**4.2 J**		**5.9 J**		**112**		**20.0 B**	

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

Summary of Groundwater Analytical Results - Site-Wide Groundwater
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area
Belle, West Virginia

Analyte	Filtered	Units	Screening Criteria (1)		Location ID	MW-86-SO	MW-87-SO	MW-87-SO	MW-88	MW-88	MW-89	MW-89	MW-89	MW-89
			Federal MCL	EPA SL Tap Water	Field Sample ID	GWRFI-14-MW-86-SO-Z	GWRFI-14-MW-87-SO	GWRFI-14-MW-87-SO-Z	GWRFI-14-MW-88	GWRFI-14-MW-88-Z	GWRFI-14-MW-89	GWRFI-14-MW-89-D	GWRFI-14-MW-89-Z	GWRFI-14-MW-89-Z-D
					Sample Name									
					Date Sampled	11/21/2014	11/21/2014	11/21/2014	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/10/2014	12/10/2014
					Sample Purpose	FS	FS	FS	FS	FS	FS	DUP	FS	DUP
Inorganics														
Antimony	N	UG/L	6.00E+00	7.80E-01			<0.33		<0.33		**0.94 B**	**0.83 B**		
Antimony	Y	UG/L	6.00E+00	7.80E-01		<0.33		<0.33		<0.33			**0.67 B**	**0.73 B**
Arsenic	N	UG/L	1.00E+01	5.20E-02			**4.3**		<0.82 UL		**1.7 J**	**2.0 L**		
Arsenic	Y	UG/L	1.00E+01	5.20E-02		<0.82		**4**		<0.82 UL			<0.82 UL	<0.82 UL
Barium	N	UG/L	2.00E+03	3.80E+02			**194**		**36.5**		**111**	**108**		
Barium	Y	UG/L	2.00E+03	3.80E+02		**38.4**		**196**		**34.3**			**93.2**	**92.7**
Beryllium	N	UG/L	4.00E+00	2.50E+00			<0.67		<0.67		<0.67	<0.67		
Beryllium	Y	UG/L	4.00E+00	2.50E+00		<0.67		<0.67		<0.67			<0.67	<0.67
Cadmium	N	UG/L	5.00E+00	9.20E-01			**0.65 J**		**0.79 J**		<0.33	<0.33		
Cadmium	Y	UG/L	5.00E+00	9.20E-01		**0.43 J**		<0.33		**0.62 J**			<0.33	<0.33
Chromium	N	UG/L	1.00E+02	2.20E+03			**5.5 J**		**2.1 B**		**35.4**	**26.9**		
Chromium	Y	UG/L	1.00E+02	2.20E+03		<1.3		**2.6 J**		<1.3			**4.6 J**	**4.9 J**
Cobalt	N	UG/L		6.00E-01			**11.9**		**4.2 J**		**2.8 J**	**2.2 J**		
Cobalt	Y	UG/L		6.00E-01		**25.2**		**11.3**		**4.1 J**			<1.0	<1.0
Copper	N	UG/L	1.30E+03	8.00E+01			**19.6**		**5.9 J**		**14.3**	**14**		
Copper	Y	UG/L	1.30E+03	8.00E+01		**24.5 J**		<2.8		**5.4 J**			<2.8	<2.8
Lead	N	UG/L	1.50E+01	1.50E+01			**3.4**		**0.87 J**		**4.1**	**4.7**		
Lead	Y	UG/L	1.50E+01	1.50E+01		<0.082		<0.082		**0.34 J**			**0.21 J**	**0.21 J**
Mercury	N	UG/L	2.00E+00	6.30E-02			<0.060		<0.060		<0.060	<0.060		
Mercury	Y	UG/L	2.00E+00	6.30E-02		<0.060		<0.060		<0.060			<0.060	<0.060
Nickel	N	UG/L		3.90E+01			**12.4**		**4.2 J**		**19.1**	**17.4**		
Nickel	Y	UG/L		3.90E+01		**42.3**		**11**		**2.6 J**			**5.6 J**	**5.5 J**
Selenium	N	UG/L	5.00E+01	1.00E+01			**0.76 J**		<0.50		**1.2 J**	**1.1 J**		
Selenium	Y	UG/L	5.00E+01	1.00E+01		<0.50		**0.70 J**		<0.50			**0.92 J**	**0.76 J**
Silver	N	UG/L		9.40E+00			<1.8 UJ		<1.8		<1.8	<1.8		
Silver	Y	UG/L		9.40E+00		<1.8		**3.7 J**		<1.8			<1.8	<1.8
Thallium	N	UG/L	2.00E+00	2.00E-02			<0.15		<0.15		<0.15	<0.15		
Thallium	Y	UG/L	2.00E+00	2.00E-02		<0.15		<0.15		<0.15			<0.15	<0.15
Tin	N	UG/L		1.20E+03			<2.4		<2.4		<2.4	<2.4		
Tin	Y	UG/L		1.20E+03		<2.4		<2.4		<2.4			<2.4	<2.4
Vanadium	N	UG/L		8.60E+00			**2.6 J**		<1.9		**3.0 J**	**2.9 J**		
Vanadium	Y	UG/L		8.60E+00		<1.9		<1.9		<1.9			<1.9	<1.9
Zinc	N	UG/L		6.00E+02			**27.5**		**19.7 J**		**27.9**	**22.7**		
Zinc	Y	UG/L		6.00E+02		**159. R**		**29.1**		**18.0 J**			**7.0 J**	**7.3 J**

Footnotes:
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Screening Criteria Notes:
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Summary of Groundwater Analytical Results - SLM
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area
Belle, West Virginia

Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-34	SLM-1-GW	SLM-11	SLM-11	SLM-12	SLM-13	SLM-14SO	SLM-15SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	7644162	GW1113-SLM-1	P4G-0713-SLM-11	P4G-0713-SLM-11-D	P4G-0713-SLM-12	P4G-0713-SLM-13	P41014-SLM-14SO	P41014-SLM-15SO
					Sample Name	BEL-G-HP-34							
					Date Sampled	10/18/2000	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	11/11/2014	11/11/2014
					Sample Purpose	FS	FS	FS	DUP	FS	FS	FS	FS
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<1	<2	<3	<5	<1	<1	<0.5	<5
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<1	<2	<2	<4	<0.8	<0.8	<0.5	<5
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<1	<2	<3	<5	<1	<1	<0.5	<5
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<1	<2	<2	<4	<0.8	<0.8	<0.5	<5
1,1-Dichloroethane	N	UG/L		2.70E+00		<1	<2	<3	<5	<1	<1	<0.5	<5
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<1	<2	<2	<4	<0.8	<0.8	<0.5	<5
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<1	<2	<3	<5	<1	<1	<1	<10
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<2	<4	<5	<10	<2	<2	<2	<20
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<1	<2	<3	<5	<1	<1	<0.5	<5
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01		**4 J**	**4 J**	**63 J**	**65**	<1	<1		
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<1	<2	<3	<5	<1	<1	<0.5	<5
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<1	<2	<3	<5	<1	<1	<0.5	<5
1,3-Dichlorobenzene	N	UG/L				<1	<2	<3	<5	<1	<1		
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01		**3 J**	<2	**3 J**	<5	<1	<1		
2-Chloroethyl Vinyl Ether	N	UG/L											
2-Hexanone	N	UG/L		3.80E+00		<3	<6	<8	<15	<3	<3	<3	<30
Acetone	N	UG/L		1.40E+03		<6	<12	<15	<30	**9 J**	**12 J**	**7 J**	**13000**
Acetonitrile	N	UG/L		1.30E+01		<25 R	<50	<63	<130	<25	<25	<25	<250
Acrolein	N	UG/L		4.20E-03		<40 R	<80	<100	<200	<40	<40	<40	<400
Acrylonitrile	N	UG/L		5.20E-02		<4 R	<8	<10	<20	<4	<4	<4	<40
Allyl Chloride	N	UG/L		2.10E-01		<1	<2	<3	<5	<1	<1	<1	<10
Benzene	N	UG/L	5.00E+00	4.50E-01		**22 K**	**2 J**	**4 J**	**4 J**	**3 J**	**1 J**	<0.5	**6 J**
Bromodichloromethane	N	UG/L		1.30E-01		<1	<2	<3	<5	<1	<1	<0.5	<5
Bromoform	N	UG/L		3.30E+00		<1	<2	<3	<5	<1	<1	<0.5	<5
Carbon Disulfide	N	UG/L		8.10E+01		<1	<2	<3	<5	<1	<1	<1	<10
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<1	<2	<3	<5	<1	<1	<0.5	<5
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		**4800**	**3500**	**720**	**600**	**960**	**110**	<0.5	**1500**
Chlorodibromomethane	N	UG/L		1.70E-01		<1	<2	<3	<5	<1	<1	<0.5	<5
Chloroform	N	UG/L		2.20E-01		<1	<2	<2	<4	<0.8	<0.8	<0.5	<5
Chloroprene	N	UG/L		1.90E-02		<1	<2	<3	<5	<1	<1	<1	<10
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<1	<2	<2	<4	<0.8	<0.8	<0.5	<5
cis-1,3-Dichloropropene	N	UG/L				<1	<2	<3	<5	<1	<1	<0.5	<5
Dichlorodifluoromethane	N	UG/L		2.00E+01		<2	<4	<5	<10	<2	<2	<0.5	<5
Ethyl Chloride	N	UG/L		2.10E+03		<2	<2	<3	<5	<1	<1	<0.5	<5
Ethyl Methacrylate	N	UG/L		4.60E+01		<1	<2	<3	<5	<1	<1	<1	<10
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		**3 J**	**9 J**	**1700**	**1500**	**9**	**1 J**	<0.5	**11**
Formaldehyde	Y	UG/L		4.30E-01								<200	
Iodomethane	N	UG/L				<1	<2	<3	<5	<1	<1	<0.5	<5
Isobutyl Alcohol	N	UG/L		5.90E+02		<100 R	<200	<250	<500	<100	<100	<100	<1000
Methacrylonitrile	N	UG/L		1.90E-01		<10	<20	<25	<50	<10	<10	<10	<100

Summary of Groundwater Analytical Results - SLM
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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-34	SLM-1-GW	SLM-11	SLM-11	SLM-12	SLM-13	SLM-14SO	SLM-15SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	7644162	GW1113-SLM-1	P4G-0713-SLM-11	P4G-0713-SLM-11-D	P4G-0713-SLM-12	P4G-0713-SLM-13	P41014-SLM-14SO	P41014-SLM-15SO
					Sample Name	BEL-G-HP-34							
					Date Sampled	10/18/2000	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	11/11/2014	11/11/2014
					Sample Purpose	FS	FS	FS	DUP	FS	FS	FS	FS
Methyl Bromide	N	UG/L		7.50E-01		<2	<2	<3	<5	<1	<1	<0.5	<5
Methyl Chloride	N	UG/L		1.90E+01		<2	<2	<3	<5	<1	<1	<0.5	<5
Methyl Ethyl Ketone	N	UG/L		5.60E+02		<3	<6	<8	<15	<3	<3	<3	**200**
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<3	<6	<8	<15	<3	<3	<3	<30
Methyl Methacrylate	N	UG/L		1.40E+02		<1	<2	<3	<5	<1	<1	<1	**35 J**
Methylene Bromide	N	UG/L		8.00E-01		<1	<2	<3	<5	<1	<1	<0.5	<5
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2	<4	<5	<10	<2	<2	<2	<20
Pentachloroethane	N	UG/L		6.40E-01		<1	<2	<3	<5	<1	<1	<1	<10
Propionitrile	N	UG/L				<30 R	<60	<75	<150	<30	<30	<30	<300
Styrene	N	UG/L	1.00E+02	1.20E+02		<1	<2	<3	<5	<1	<1	<1	<10
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<1	<2	<2	<4	<0.8	<0.8	<0.5	<5
Toluene	N	UG/L	1.00E+03	1.10E+02		<1	<1	**120 J**	**110**	**4 J**	<0.7	<0.5	**50**
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<1	<2	<2	<4	<0.8	<0.8	<0.5	<5
trans-1,3-Dichloropropene	N	UG/L				<1	<2	<3	<5	<1	<1	<0.5	<5
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<15	<30	<38	<75	<15	<15	<15	<150
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<1	<2	<3	<5	<1	<1	<0.5	<5
Trichlorofluoromethane	N	UG/L		1.10E+02		<2	<4	<5	<10	<2	<2	<0.5	<5
Vinyl Acetate	N	UG/L		4.10E+01		<2	<4	<5	<10	<2	<2	<2	<20
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<1	<2	<3	<5	<1	<1	<0.5	<5
Xylenes	N	UG/L	1.00E+04	1.90E+01		**2 J**	<2	**7000**	**6500**	**46**	**6**	<0.5	**55**
Semi-Volatile Organic Compounds													
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01		<1							
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01		<1							
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01		<3							
1,3-Dinitrobenzene	N	UG/L		2.00E-01		<1							
1,4-Dioxane	N	UG/L		4.60E-01		<70 R						<1	**7**
1,4-Dioxane	Y	UG/L		4.60E-01								**34**	
1,4-Naphthoquinone	N	UG/L				<10 R							
1-Naphthylamine	N	UG/L				<2							
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01		<3							
2,4,5-Trichlorophenol	N	UG/L		1.20E+02		<2							
2,4,6-Trichlorophenol	N	UG/L		1.20E+00		<2							
2,4-Dichlorophenol	N	UG/L		4.60E+00		<1							
2,4-Dimethylphenol	N	UG/L		3.60E+01		<1							
2,4-Dinitrophenol	N	UG/L		3.90E+00		<19							
2,4-Dinitrotoluene	N	UG/L		2.40E-01		<1							
2,6-Dichlorophenol	N	UG/L				<1							
2,6-Dinitrotoluene	N	UG/L		4.80E-02		<2							
2-Acetylaminofluorene	N	UG/L		1.60E-02		<2							
2-Chloronaphthalene	N	UG/L		7.50E+01		<1							
2-Chlorophenol	N	UG/L		9.10E+00		**15**							

Summary of Groundwater Analytical Results - SLM
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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-34	SLM-1-GW	SLM-11	SLM-11	SLM-12	SLM-13	SLM-14SO	SLM-15SO
			Federal MCL	EPA SL Tap Water	Field Sample ID	7644162	GW1113-SLM-1	P4G-0713-SLM-11	P4G-0713-SLM-11-D	P4G-0713-SLM-12	P4G-0713-SLM-13	P41014-SLM-14SO	P41014-SLM-15SO
					Sample Name	BEL-G-HP-34							
					Date Sampled	10/18/2000	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	11/11/2014	11/11/2014
					Sample Purpose	FS	FS	FS	DUP	FS	FS	FS	FS
2-Methylnaphthalene	N	UG/L		3.60E+00		<1							
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01		<1							
2-Naphthylamine	N	UG/L		3.90E-02		<2							
2-Nitroaniline	N	UG/L		1.90E+01		<2							
2-Nitrophenol	N	UG/L				<1							
2-Picoline	N	UG/L				<2							
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01		<2							
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03		<5 UL							
3-Methylcholanthrene	N	UG/L		1.10E-03		<2							
3-Nitroaniline	N	UG/L				<2							
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01		<5							
4-Aminobiphenyl	N	UG/L		3.00E-03		<2 UL							
4-Bromophenyl Phenyl Ether	N	UG/L				<2							
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02		<1							
4-Chloroaniline	N	UG/L		3.60E-01		<1							
4-Chlorophenyl Phenyl Ether	N	UG/L				<1							
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03		<2							
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02		<3							
4-Nitroaniline	N	UG/L		3.80E+00		<2							
4-Nitrophenol	N	UG/L				<10							
4-Nitroquinoline-N-Oxide	N	UG/L				<19							
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00		<2							
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04		<2							
Acenaphthene	N	UG/L		5.30E+01		<1							
Acenaphthylene	N	UG/L		5.30E+01		<1							
Acetophenone	N	UG/L		1.90E+02		<1							
Aniline	N	UG/L		1.30E+01		<1							
Anthracene	N	UG/L		1.80E+02		<1							
Benzo(A)Anthracene	N	UG/L		1.20E-02		<1							
Benzo(B)Fluoranthene	N	UG/L		3.40E-02		<1							
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01		<1							
Benzo(K)Fluoranthene	N	UG/L		3.40E-01		<1							
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03		<1							
Benzyl Alcohol	N	UG/L		2.00E+02		<5							
Bis(2-Chloro-1-Methylethyl) Ether	N	UG/L		3.60E-01		<1							
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00		<1							
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02		<1							
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00		<2							
Butyl Benzyl Phthalate	N	UG/L		1.60E+01		<2							
Carbazole	N	UG/L											
Chlorobenzilate	N	UG/L		3.10E-01		<3							

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			Federal MCL	EPA SL Tap Water	Field Sample ID	7644162	GW1113-SLM-1	P4G-0713-SLM-11	P4G-0713-SLM-11-D	P4G-0713-SLM-12	P4G-0713-SLM-13	P41014-SLM-14SO	P41014-SLM-15SO
					Sample Name	BEL-G-HP-34							
					Date Sampled	10/18/2000	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	11/11/2014	11/11/2014
					Sample Purpose	FS	FS	FS	DUP	FS	FS	FS	FS
Chrysene	N	UG/L		3.40E+00		<1							
Diallate	N	UG/L		5.20E-01		<1							
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03		<1							
Dibenzofuran	N	UG/L		7.90E-01		<1							
Diethyl Phthalate	N	UG/L		1.50E+03		**2 J**							
Dimethyl Phthalate	N	UG/L				<2 UL							
Di-N-Butyl Phthalate	N	UG/L		9.00E+01		<2							
Ethyl Methanesulfonate	N	UG/L				<1							
Famphur	N	UG/L				<0.24							
Fluoranthene	N	UG/L		8.00E+01		<1							
Fluorene	N	UG/L		2.90E+01		<1							
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03		<2							
Hexachlorobutadiene	N	UG/L		1.40E-01		<2							
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02		<5							
Hexachloroethane	N	UG/L		3.30E-01		<1							
Hexachlorophene	N	UG/L		6.00E-01		<0.4 UL							
Hexachloropropylene	N	UG/L				<2							
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02		<1							
Isodrin	N	UG/L				<5							
Isophorone	N	UG/L		7.80E+01		<1							
Isosafrole	N	UG/L				<1							
Kepone	N	UG/L		3.50E-03		<0.055							
Methapyrilene	N	UG/L				<2							
Methyl Methanesulfonate	N	UG/L		7.90E-01		<1							
Naphthalene	N	UG/L		1.70E-01		**1 J**							
Naphthalene	Y	UG/L		1.70E-01								**0.1 J**	**3**
N-Dioctyl Phthalate	N	UG/L		2.00E+01		<2							
Nitrobenzene	N	UG/L		1.40E-01		<1							
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04		<2							
N-Nitrosodiethylamine	N	UG/L		1.70E-04		<1							
N-Nitrosodimethylamine	N	UG/L		1.10E-04		<2							
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03		<1							
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02		<1							
N-Nitrosodiphenylamine	N	UG/L		1.20E+01		<1							
N-Nitrosomorpholine	N	UG/L		1.20E-02		<1							
N-Nitrosopiperidine	N	UG/L		8.20E-03		<1							
N-Nitrosopyrrolidine	N	UG/L		3.70E-02		<2							
O,O,O-Triethylphosphorothioate	N	UG/L				<2							
O-Toluidine	N	UG/L				<2							
para-Phenylenediamine	N	UG/L		3.80E+02		<58 R							
Parathion	N	UG/L		8.60E+00		<0.24							

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			Federal MCL	EPA SL Tap Water	Field Sample ID	7644162	GW1113-SLM-1	P4G-0713-SLM-11	P4G-0713-SLM-11-D	P4G-0713-SLM-12	P4G-0713-SLM-13	P41014-SLM-14SO	P41014-SLM-15SO
					Sample Name	BEL-G-HP-34							
					Date Sampled	10/18/2000	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	11/11/2014	11/11/2014
					Sample Purpose	FS	FS	FS	DUP	FS	FS	FS	FS
Pentachlorobenzene	N	UG/L		3.20E-01		<1							
Pentachloronitrobenzene	N	UG/L		1.20E-01		<2							
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02		<3							
Phenacetin	N	UG/L		3.40E+01		<1							
Phenanthrene	N	UG/L		1.80E+02		<1							
Phenol	N	UG/L		5.80E+02		**3 J**							
Pyrene	N	UG/L		1.20E+01		<1							
Pyridine	N	UG/L		2.00E+00		<2							
Safrole	N	UG/L		9.50E-02		<1							
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01		<1							
Thionazin	N	UG/L				<3							
Pesticides and PCBs													
4,4'-DDD	N	UG/L		3.10E-02		<0.0048							
4,4'-DDE	N	UG/L		4.60E-02		<0.0048							
4,4'-DDT	N	UG/L		2.30E-01		**0.113 J**							
Aldrin	N	UG/L		9.20E-04		<0.0024							
Alpha-BHC	N	UG/L		7.10E-03		<0.0024							
beta-BHC	N	UG/L		2.50E-02		**0.018 J**							
Chlordane	N	UG/L	2.00E+00			<0.060							
delta-BHC	N	UG/L				<0.0070							
Dieldrin	N	UG/L		1.70E-03		**0.115**							
Dimethoate	N	UG/L		4.00E-01		<3 UL							
Disulfoton	N	UG/L		5.00E-02		<0.24							
Endosulfan I	N	UG/L		1.00E+01		**0.013 J**							
Endosulfan II	N	UG/L		1.00E+01		<0.0048							
Endosulfan Sulfate	N	UG/L		1.00E+01		<0.0048							
Endrin	N	UG/L	2.00E+00	2.30E-01		<0.0048							
Endrin Aldehyde	N	UG/L		2.30E-01		<0.0048							
Heptachlor	N	UG/L	4.00E-01	1.40E-03		<0.0024							
Heptachlor Epoxide	N	UG/L	2.00E-01	1.40E-03		<0.0024							
Lindane	N	UG/L	2.00E-01	4.10E-02		<0.0024							
Methoxychlor	N	UG/L	4.00E+01	3.70E+00		<0.024							
Methyl Parathion	N	UG/L		4.50E-01		<0.24							
Phorate	N	UG/L		3.00E-01		<0.24							
Toxaphene	N	UG/L	3.00E+00	1.50E-02		<0.36							
PCB 1016	N	UG/L		1.40E-01		<0.12							
PCB 1221	N	UG/L		4.60E-03		<0.12							
PCB 1232	N	UG/L		4.60E-03		<0.12							
PCB 1242	N	UG/L		7.80E-03		<0.12							
PCB 1248	N	UG/L		7.80E-03		<0.12							
PCB 1254	N	UG/L		7.80E-03		<0.12							

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			Federal MCL	EPA SL Tap Water	Field Sample ID	7644162	GW1113-SLM-1	P4G-0713-SLM-11	P4G-0713-SLM-11-D	P4G-0713-SLM-12	P4G-0713-SLM-13	P41014-SLM-14SO	P41014-SLM-15SO
					Sample Name	BEL-G-HP-34							
					Date Sampled	10/18/2000	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	11/11/2014	11/11/2014
					Sample Purpose	FS	FS	FS	DUP	FS	FS	FS	FS
PCB 1260	N	UG/L		7.80E-03		<0.12							
2,4,5-T	N	UG/L		1.60E+01		**0.89 J**							
2,4-Dichlorophenoxyacetic Acid	N	UG/L	7.00E+01	1.70E+01		<2.0							
Dinoseb	N	UG/L	7.00E+00	1.50E+00		<1.0 UL							
Pronamide	N	UG/L		1.20E+02		<2							
Silvex	N	UG/L	5.00E+01	1.10E+01		<6.0							
Inorganics													
Antimony	N	UG/L	6.00E+00	7.80E-01		<0.760000 UL							
Arsenic	N	UG/L	1.00E+01	5.20E-02		**46.0 L**							
Arsenic	Y	UG/L	1.00E+01	5.20E-02									
Barium	N	UG/L	2.00E+03	3.80E+02		**2040**							
Barium	Y	UG/L	2.00E+03	3.80E+02									
Beryllium	N	UG/L	4.00E+00	2.50E+00		**7.4 J**							
Cadmium	N	UG/L	5.00E+00	9.20E-01		<3.6							
Cadmium	Y	UG/L	5.00E+00	9.20E-01									
Chromium	N	UG/L	1.00E+02	2.20E+03		**21.9 B**							
Chromium	Y	UG/L	1.00E+02	2.20E+03									
Cobalt	N	UG/L		6.00E-01		**39.2 J**							
Copper	N	UG/L	1.30E+03	8.00E+01		**18.4 B**							
Iron	N	UG/L		1.40E+03									
Iron	Y	UG/L		1.40E+03									
Lead	N	UG/L	1.50E+01	1.50E+01		**10.1 J**							
Lead	Y	UG/L	1.50E+01	1.50E+01									
Manganese	N	UG/L		4.30E+01									
Manganese	Y	UG/L		4.30E+01									
Mercury	N	UG/L	2.00E+00	6.30E-02		<1.2							
Mercury	Y	UG/L	2.00E+00	6.30E-02									
Nickel	N	UG/L		3.90E+01		**40.5 J**							
Selenium	N	UG/L	5.00E+01	1.00E+01		<1.3 UL							
Selenium	Y	UG/L	5.00E+01	1.00E+01									
Silver	N	UG/L		9.40E+00		<3.6							
Silver	Y	UG/L		9.40E+00									
Thallium	N	UG/L	2.00E+00	2.00E-02		<0.20							
Tin	N	UG/L		1.20E+03		**15.4 J**							
Vanadium	N	UG/L		8.60E+00		**88.8**							
Zinc	N	UG/L		6.00E+02		**263**							
Miscellaneous													
Alkalinity, Bicarb. As CaCO3 At pH 4.5	N	UG/L											
Alkalinity, Carb.As CaCO3 At pH 8.3	N	UG/L											
Nitrate	N	UG/L	1.00E+04	3.20E+03									
Nitrite	N	UG/L	1.00E+03	2.00E+02									

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			Federal MCL	EPA SL Tap Water	Field Sample ID	7644162	GW1113-SLM-1	P4G-0713-SLM-11	P4G-0713-SLM-11-D	P4G-0713-SLM-12	P4G-0713-SLM-13	P41014-SLM-14SO	P41014-SLM-15SO
					Sample Name	BEL-G-HP-34							
					Date Sampled	10/18/2000	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	11/11/2014	11/11/2014
					Sample Purpose	FS	FS	FS	DUP	FS	FS	FS	FS
Total Kjeldahl Nitrogen	N	UG/L											
Total Organic Carbon	N	UG/L											
Chloride	N	UG/L											
Cyanide	N	UG/L	2.00E+02	1.50E-01		<4.0							
Phosphorus	N	UG/L		4.00E-02									
Sulfate	N	UG/L											
Sulfide	N	UG/L				<4200							

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SLM-16SO	SLM-2	SLM-2-GW	SLM-3	SLM-4	SLM-5	SLM-8	SLM-HP-1
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-SLM-16SO	P4G-0713-SLM-2	GW1113-SLM-2	P4G-0713-SLM-3	P4G-0713-SLM-4	P4G-0713-SLM-5	P4G-0713-SLM-8	9442273
					Sample Name								BEL-G-SLM-HP-1-DIS
					Date Sampled	11/11/2014	07/22/2013	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	12/11/2002
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<0.5	<3	<10	<10	<1	<1	<3	
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<0.5	<2	<8	<8	<0.8	<0.8	<2	
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<0.5	<3	<10	<10	<1	<1	<3	
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<0.5	<2	<8	<8	<0.8	<0.8	<2	
1,1-Dichloroethane	N	UG/L		2.70E+00		<0.5	<3	<10	<10	<1	<1	<3	
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<0.5	<2	<8	<8	<0.8	<0.8	<2	
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<1	<3	<10	<10	<1	<1	<3	
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<2	<5	<20	<20	<2	<2	<5	
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<0.5	<3	<10	<10	<1	<1	<3	
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01			**3 J**	**25 J**	<10	<1	<1	**190**	
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<0.5	<3	<10	<10	<1	<1	<3	
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<0.5	<3	<10	<10	<1	<1	<3	
1,3-Dichlorobenzene	N	UG/L					<3	<10	<10	<1	<1	<3	
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01			<3	<10	<10	<1	<1	**3 J**	
2-Chloroethyl Vinyl Ether	N	UG/L											
2-Hexanone	N	UG/L		3.80E+00		<3	<8	<30	<30	<3	<3	<8	
Acetone	N	UG/L		1.40E+03		**290**	<15	<60	<60	<6	**8 J**	<15	
Acetonitrile	N	UG/L		1.30E+01		<25	<63	<250	<250	<25	<25	<63	
Acrolein	N	UG/L		4.20E-03		<40	<100	<400	<400	<40	<40	<100	
Acrylonitrile	N	UG/L		5.20E-02		<4	<10	<40	<40	<4	<4	<10	
Allyl Chloride	N	UG/L		2.10E-01		<1	<3	<10	<10	<1	<1	<3	
Benzene	N	UG/L	5.00E+00	4.50E-01		<0.5	**2 J**	**41 J**	<5	<0.5	<0.5	<1	
Bromodichloromethane	N	UG/L		1.30E-01		<0.5	<3	<10	<10	<1	<1	<3	
Bromoform	N	UG/L		3.30E+00		<0.5	<3	<10	<10	<1	<1	<3	
Carbon Disulfide	N	UG/L		8.10E+01		<1	<3	<10	<10	<1	<1	<3	
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<0.5	<3	<10	<10	<1	<1	<3	
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		**13**	**74**	**23000**	<8	<0.8	**4 J**	**240**	
Chlorodibromomethane	N	UG/L		1.70E-01		<0.5	<3	<10	<10	<1	<1	<3	
Chloroform	N	UG/L		2.20E-01		<0.5	<2	<8	<8	<0.8	<0.8	<2	
Chloroprene	N	UG/L		1.90E-02		<1	<3	<10	<10	<1	<1	<3	
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<0.5	<2	<8	<8	<0.8	<0.8	<2	
cis-1,3-Dichloropropene	N	UG/L				<0.5	<3	<10	<10	<1	<1	<3	
Dichlorodifluoromethane	N	UG/L		2.00E+01		<0.5	<5	<20	<20	<2	<2	<5	
Ethyl Chloride	N	UG/L		2.10E+03		<0.5	<3	<10	<10	<1	<1	<3	
Ethyl Methacrylate	N	UG/L		4.60E+01		<1	<3	<10	<10	<1	<1	<3	
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<0.5	**970**	**60**	**46 J**	**2 J**	**2 J**	**230**	
Formaldehyde	Y	UG/L		4.30E-01									
Iodomethane	N	UG/L				<0.5	<3	<10	<10	<1	<1	<3	
Isobutyl Alcohol	N	UG/L		5.90E+02		<100	<250	<1000	<1000	<100	<100	<250	
Methacrylonitrile	N	UG/L		1.90E-01		<10	<25	<100	<100	<10	<10	<25	

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			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-SLM-16SO	P4G-0713-SLM-2	GW1113-SLM-2	P4G-0713-SLM-3	P4G-0713-SLM-4	P4G-0713-SLM-5	P4G-0713-SLM-8	9442273
					Sample Name								BEL-G-SLM-HP-1-DIS
					Date Sampled	11/11/2014	07/22/2013	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	12/11/2002
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Methyl Bromide	N	UG/L		7.50E-01		<0.5	<3	<10	<10	<1	<1	<3	
Methyl Chloride	N	UG/L		1.90E+01		<0.5	<3	<10	<10	<1	<1	<3	
Methyl Ethyl Ketone	N	UG/L		5.60E+02		<3	<8	<30	<30	<3	<3	<8	
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<3	<8	<30	<30	<3	<3	<8	
Methyl Methacrylate	N	UG/L		1.40E+02		<1	<3	<10	<10	<1	<1	<3	
Methylene Bromide	N	UG/L		8.00E-01		<0.5	<3	<10	<10	<1	<1	<3	
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2	<5	<20	<20	<2	<2	<5	
Pentachloroethane	N	UG/L		6.40E-01		<1	<3	<10	<10	<1	<1	<3	
Propionitrile	N	UG/L				<30	<75	<300	<300	<30	<30	<75	
Styrene	N	UG/L	1.00E+02	1.20E+02		<1	<3	<10	<10	<1	<1	<3	
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<0.5	<2	<8	<8	<0.8	<0.8	<2	
Toluene	N	UG/L	1.00E+03	1.10E+02		<0.5	**48**	<7	<7	<0.7	<0.7	**4 J**	
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<0.5	<2	<8	<8	<0.8	<0.8	<2	
trans-1,3-Dichloropropene	N	UG/L				<0.5	<3	<10	<10	<1	<1	<3	
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<15	<38	<150	<150	<15	<15	<38	
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<0.5	<3	<10	<10	<1	<1	<3	
Trichlorofluoromethane	N	UG/L		1.10E+02		<0.5	<5	<20	<20	<2	<2	<5	
Vinyl Acetate	N	UG/L		4.10E+01		<2	<5	<20	<20	<2	<2	<5	
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<0.5	<3	<10	<10	<1	<1	<3	
Xylenes	N	UG/L	1.00E+04	1.90E+01		<0.5	**2800**	<8	**240**	**7**	**6**	**3600**	
Semi-Volatile Organic Compounds													
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01									
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01									
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01									
1,3-Dinitrobenzene	N	UG/L		2.00E-01									
1,4-Dioxane	N	UG/L		4.60E-01		<1							
1,4-Dioxane	Y	UG/L		4.60E-01									
1,4-Naphthoquinone	N	UG/L											
1-Naphthylamine	N	UG/L											
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01									
2,4,5-Trichlorophenol	N	UG/L		1.20E+02									
2,4,6-Trichlorophenol	N	UG/L		1.20E+00									
2,4-Dichlorophenol	N	UG/L		4.60E+00									
2,4-Dimethylphenol	N	UG/L		3.60E+01									
2,4-Dinitrophenol	N	UG/L		3.90E+00									
2,4-Dinitrotoluene	N	UG/L		2.40E-01									
2,6-Dichlorophenol	N	UG/L											
2,6-Dinitrotoluene	N	UG/L		4.80E-02									
2-Acetylaminofluorene	N	UG/L		1.60E-02									
2-Chloronaphthalene	N	UG/L		7.50E+01									
2-Chlorophenol	N	UG/L		9.10E+00									

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SLM-16SO	SLM-2	SLM-2-GW	SLM-3	SLM-4	SLM-5	SLM-8	SLM-HP-1
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-SLM-16SO	P4G-0713-SLM-2	GW1113-SLM-2	P4G-0713-SLM-3	P4G-0713-SLM-4	P4G-0713-SLM-5	P4G-0713-SLM-8	9442273
					Sample Name								BEL-G-SLM-HP-1-DIS
					Date Sampled	11/11/2014	07/22/2013	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	12/11/2002
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
2-Methylnaphthalene	N	UG/L		3.60E+00									
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01									
2-Naphthylamine	N	UG/L		3.90E-02									
2-Nitroaniline	N	UG/L		1.90E+01									
2-Nitrophenol	N	UG/L											
2-Picoline	N	UG/L											
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01									
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03									
3-Methylcholanthrene	N	UG/L		1.10E-03									
3-Nitroaniline	N	UG/L											
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01									
4-Aminobiphenyl	N	UG/L		3.00E-03									
4-Bromophenyl Phenyl Ether	N	UG/L											
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02									
4-Chloroaniline	N	UG/L		3.60E-01									
4-Chlorophenyl Phenyl Ether	N	UG/L											
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03									
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02									
4-Nitroaniline	N	UG/L		3.80E+00									
4-Nitrophenol	N	UG/L											
4-Nitroquinoline-N-Oxide	N	UG/L											
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00									
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04									
Acenaphthene	N	UG/L		5.30E+01									
Acenaphthylene	N	UG/L		5.30E+01									
Acetophenone	N	UG/L		1.90E+02									
Aniline	N	UG/L		1.30E+01									
Anthracene	N	UG/L		1.80E+02									
Benzo(A)Anthracene	N	UG/L		1.20E-02									
Benzo(B)Fluoranthene	N	UG/L		3.40E-02									
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01									
Benzo(K)Fluoranthene	N	UG/L		3.40E-01									
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03									
Benzyl Alcohol	N	UG/L		2.00E+02									
Bis(2-Chloro-1-Methylethyl) Ether	N	UG/L		3.60E-01									
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00									
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02									
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00									
Butyl Benzyl Phthalate	N	UG/L		1.60E+01									
Carbazole	N	UG/L											
Chlorobenzilate	N	UG/L		3.10E-01									

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			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-SLM-16SO	P4G-0713-SLM-2	GW1113-SLM-2	P4G-0713-SLM-3	P4G-0713-SLM-4	P4G-0713-SLM-5	P4G-0713-SLM-8	9442273
					Sample Name								BEL-G-SLM-HP-1-DIS
					Date Sampled	11/11/2014	07/22/2013	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	12/11/2002
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Chrysene	N	UG/L		3.40E+00									
Diallate	N	UG/L		5.20E-01									
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03									
Dibenzofuran	N	UG/L		7.90E-01									
Diethyl Phthalate	N	UG/L		1.50E+03									
Dimethyl Phthalate	N	UG/L											
Di-N-Butyl Phthalate	N	UG/L		9.00E+01									
Ethyl Methanesulfonate	N	UG/L											
Famphur	N	UG/L											
Fluoranthene	N	UG/L		8.00E+01									
Fluorene	N	UG/L		2.90E+01									
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03									
Hexachlorobutadiene	N	UG/L		1.40E-01									
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02									
Hexachloroethane	N	UG/L		3.30E-01									
Hexachlorophene	N	UG/L		6.00E-01									
Hexachloropropylene	N	UG/L											
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02									
Isodrin	N	UG/L											
Isophorone	N	UG/L		7.80E+01									
Isosafrole	N	UG/L											
Kepone	N	UG/L		3.50E-03									
Methapyrilene	N	UG/L											
Methyl Methanesulfonate	N	UG/L		7.90E-01									
Naphthalene	N	UG/L		1.70E-01									
Naphthalene	Y	UG/L		1.70E-01		<0.1							
N-Dioctyl Phthalate	N	UG/L		2.00E+01									
Nitrobenzene	N	UG/L		1.40E-01									
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04									
N-Nitrosodiethylamine	N	UG/L		1.70E-04									
N-Nitrosodimethylamine	N	UG/L		1.10E-04									
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03									
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02									
N-Nitrosodiphenylamine	N	UG/L		1.20E+01									
N-Nitrosomorpholine	N	UG/L		1.20E-02									
N-Nitrosopiperidine	N	UG/L		8.20E-03									
N-Nitrosopyrrolidine	N	UG/L		3.70E-02									
O,O,O-Triethylphosphorothioate	N	UG/L											
O-Toluidine	N	UG/L											
para-Phenylenediamine	N	UG/L		3.80E+02									
Parathion	N	UG/L		8.60E+00									

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SLM-16SO	SLM-2	SLM-2-GW	SLM-3	SLM-4	SLM-5	SLM-8	SLM-HP-1
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-SLM-16SO	P4G-0713-SLM-2	GW1113-SLM-2	P4G-0713-SLM-3	P4G-0713-SLM-4	P4G-0713-SLM-5	P4G-0713-SLM-8	9442273
					Sample Name								BEL-G-SLM-HP-1-DIS
					Date Sampled	11/11/2014	07/22/2013	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	12/11/2002
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Pentachlorobenzene	N	UG/L		3.20E-01									
Pentachloronitrobenzene	N	UG/L		1.20E-01									
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02									
Phenacetin	N	UG/L		3.40E+01									
Phenanthrene	N	UG/L		1.80E+02									
Phenol	N	UG/L		5.80E+02									
Pyrene	N	UG/L		1.20E+01									
Pyridine	N	UG/L		2.00E+00									
Safrole	N	UG/L		9.50E-02									
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01									
Thionazin	N	UG/L											
Pesticides and PCBs													
4,4'-DDD	N	UG/L		3.10E-02									
4,4'-DDE	N	UG/L		4.60E-02									
4,4'-DDT	N	UG/L		2.30E-01									
Aldrin	N	UG/L		9.20E-04									
Alpha-BHC	N	UG/L		7.10E-03									
beta-BHC	N	UG/L		2.50E-02									
Chlordane	N	UG/L	2.00E+00										
delta-BHC	N	UG/L											
Dieldrin	N	UG/L		1.70E-03									
Dimethoate	N	UG/L		4.00E-01									
Disulfoton	N	UG/L		5.00E-02									
Endosulfan I	N	UG/L		1.00E+01									
Endosulfan II	N	UG/L		1.00E+01									
Endosulfan Sulfate	N	UG/L		1.00E+01									
Endrin	N	UG/L	2.00E+00	2.30E-01									
Endrin Aldehyde	N	UG/L		2.30E-01									
Heptachlor	N	UG/L	4.00E-01	1.40E-03									
Heptachlor Epoxide	N	UG/L	2.00E-01	1.40E-03									
Lindane	N	UG/L	2.00E-01	4.10E-02									
Methoxychlor	N	UG/L	4.00E+01	3.70E+00									
Methyl Parathion	N	UG/L		4.50E-01									
Phorate	N	UG/L		3.00E-01									
Toxaphene	N	UG/L	3.00E+00	1.50E-02									
PCB 1016	N	UG/L		1.40E-01									
PCB 1221	N	UG/L		4.60E-03									
PCB 1232	N	UG/L		4.60E-03									
PCB 1242	N	UG/L		7.80E-03									
PCB 1248	N	UG/L		7.80E-03									
PCB 1254	N	UG/L		7.80E-03									

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SLM-16SO	SLM-2	SLM-2-GW	SLM-3	SLM-4	SLM-5	SLM-8	SLM-HP-1
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-SLM-16SO	P4G-0713-SLM-2	GW1113-SLM-2	P4G-0713-SLM-3	P4G-0713-SLM-4	P4G-0713-SLM-5	P4G-0713-SLM-8	9442273
					Sample Name								BEL-G-SLM-HP-1-DIS
					Date Sampled	11/11/2014	07/22/2013	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	12/11/2002
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
PCB 1260	N	UG/L		7.80E-03									
2,4,5-T	N	UG/L		1.60E+01									
2,4-Dichlorophenoxyacetic Acid	N	UG/L	7.00E+01	1.70E+01									
Dinoseb	N	UG/L	7.00E+00	1.50E+00									
Pronamide	N	UG/L		1.20E+02									
Silvex	N	UG/L	5.00E+01	1.10E+01									
Inorganics													
Antimony	N	UG/L	6.00E+00	7.80E-01									
Arsenic	N	UG/L	1.00E+01	5.20E-02									
Arsenic	Y	UG/L	1.00E+01	5.20E-02									**60.90000**
Barium	N	UG/L	2.00E+03	3.80E+02									
Barium	Y	UG/L	2.00E+03	3.80E+02									**235.0000**
Beryllium	N	UG/L	4.00E+00	2.50E+00									
Cadmium	N	UG/L	5.00E+00	9.20E-01									
Cadmium	Y	UG/L	5.00E+00	9.20E-01									<0.940000
Chromium	N	UG/L	1.00E+02	2.20E+03									
Chromium	Y	UG/L	1.00E+02	2.20E+03									**2.40000 J**
Cobalt	N	UG/L		6.00E-01									
Copper	N	UG/L	1.30E+03	8.00E+01									
Iron	N	UG/L		1.40E+03									
Iron	Y	UG/L		1.40E+03									**9270.000**
Lead	N	UG/L	1.50E+01	1.50E+01									
Lead	Y	UG/L	1.50E+01	1.50E+01									<8.90000
Manganese	N	UG/L		4.30E+01									
Manganese	Y	UG/L		4.30E+01									**368.0000**
Mercury	N	UG/L	2.00E+00	6.30E-02									
Mercury	Y	UG/L	2.00E+00	6.30E-02									<0.0790000
Nickel	N	UG/L		3.90E+01									
Selenium	N	UG/L	5.00E+01	1.00E+01									
Selenium	Y	UG/L	5.00E+01	1.00E+01									<4.80000
Silver	N	UG/L		9.40E+00									
Silver	Y	UG/L		9.40E+00									<1.40000
Thallium	N	UG/L	2.00E+00	2.00E-02									
Tin	N	UG/L		1.20E+03									
Vanadium	N	UG/L		8.60E+00									
Zinc	N	UG/L		6.00E+02									
Miscellaneous													
Alkalinity, Bicarb. As CaCO3 At pH 4.5	N	UG/L											
Alkalinity, Carb.As CaCO3 At pH 8.3	N	UG/L											
Nitrate	N	UG/L	1.00E+04	3.20E+03									
Nitrite	N	UG/L	1.00E+03	2.00E+02									

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SLM-16SO	SLM-2	SLM-2-GW	SLM-3	SLM-4	SLM-5	SLM-8	SLM-HP-1
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-SLM-16SO	P4G-0713-SLM-2	GW1113-SLM-2	P4G-0713-SLM-3	P4G-0713-SLM-4	P4G-0713-SLM-5	P4G-0713-SLM-8	9442273
					Sample Name								BEL-G-SLM-HP-1-DIS
					Date Sampled	11/11/2014	07/22/2013	12/18/2013	07/22/2013	07/22/2013	07/22/2013	07/22/2013	12/11/2002
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
Total Kjeldahl Nitrogen	N	UG/L											
Total Organic Carbon	N	UG/L											
Chloride	N	UG/L											
Cyanide	N	UG/L	2.00E+02	1.50E-01									
Phosphorus	N	UG/L		4.00E-02									
Sulfate	N	UG/L											
Sulfide	N	UG/L											

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SLM-HP-1	SLM-HP-2	SLM-HP-2	SLM-HP-3	SLM-HP-3
			Federal MCL	EPA SL Tap Water	Field Sample ID	9442286	9442560	9442573	9442846	9442859
					Sample Name	BEL-G-SLM-HP-1	BEL-G-SLM-HP-2-DIS	BEL-G-SLM-HP-2	BEL-G-SLM-HP-3-DIS	BEL-G-SLM-HP-3
					Date Sampled	12/11/2002	12/11/2002	12/11/2002	12/11/2002	12/11/2002
					Sample Purpose	FS	FS	FS	FS	FS
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01						
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<16		<0.8		<0.8
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<20		<1		<1
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<16		<0.8		<0.8
1,1-Dichloroethane	N	UG/L		2.70E+00		<20		<1		<1
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<16		<0.8		<0.8
1,2,3-Trichloropropane	N	UG/L		7.50E-04						
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04						
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03						
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01		**25**		<1		<1
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<20		<1		<1
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<20		<1		<1
1,3-Dichlorobenzene	N	UG/L				<1		<1		<1
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01		**15**		<1		<1
2-Chloroethyl Vinyl Ether	N	UG/L				<40		<2		<2
2-Hexanone	N	UG/L		3.80E+00						
Acetone	N	UG/L		1.40E+03		<120		<6		<6
Acetonitrile	N	UG/L		1.30E+01						
Acrolein	N	UG/L		4.20E-03						
Acrylonitrile	N	UG/L		5.20E-02						
Allyl Chloride	N	UG/L		2.10E-01						
Benzene	N	UG/L	5.00E+00	4.50E-01		**80 J**		**3 J**		**2 J**
Bromodichloromethane	N	UG/L		1.30E-01		<20		<1		<1
Bromoform	N	UG/L		3.30E+00		<20		<1		<1
Carbon Disulfide	N	UG/L		8.10E+01						
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<20		<1		<1
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		**18000**		**37**		**18**
Chlorodibromomethane	N	UG/L		1.70E-01		<20		<1		<1
Chloroform	N	UG/L		2.20E-01		<16		<0.8		<0.8
Chloroprene	N	UG/L		1.90E-02						
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<16		<0.8		<0.8
cis-1,3-Dichloropropene	N	UG/L				<20		<1		<1
Dichlorodifluoromethane	N	UG/L		2.00E+01						
Ethyl Chloride	N	UG/L		2.10E+03		<20		<1		<1
Ethyl Methacrylate	N	UG/L		4.60E+01						
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		**57 J**		**2 J**		<0.8
Formaldehyde	Y	UG/L		4.30E-01						
Iodomethane	N	UG/L								
Isobutyl Alcohol	N	UG/L		5.90E+02						
Methacrylonitrile	N	UG/L		1.90E-01						

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			Federal MCL	EPA SL Tap Water	Field Sample ID	9442286	9442560	9442573	9442846	9442859
					Sample Name	BEL-G-SLM-HP-1	BEL-G-SLM-HP-2-DIS	BEL-G-SLM-HP-2	BEL-G-SLM-HP-3-DIS	BEL-G-SLM-HP-3
					Date Sampled	12/11/2002	12/11/2002	12/11/2002	12/11/2002	12/11/2002
					Sample Purpose	FS	FS	FS	FS	FS
Methyl Bromide	N	UG/L		7.50E-01		<20		<1		<1
Methyl Chloride	N	UG/L		1.90E+01		<20		<1		<1
Methyl Ethyl Ketone	N	UG/L		5.60E+02		<60		<3		<3
Methyl Isobutyl Ketone	N	UG/L		1.20E+02						
Methyl Methacrylate	N	UG/L		1.40E+02						
Methylene Bromide	N	UG/L		8.00E-01						
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<40		<2		<2
Pentachloroethane	N	UG/L		6.40E-01						
Propionitrile	N	UG/L								
Styrene	N	UG/L	1.00E+02	1.20E+02						
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<16		<0.8		<0.8
Toluene	N	UG/L	1.00E+03	1.10E+02		**49 J**		**2 J**		<0.7
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<16		<0.8		<0.8
trans-1,3-Dichloropropene	N	UG/L				<20		<1		<1
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03						
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<20		<1		<1
Trichlorofluoromethane	N	UG/L		1.10E+02						
Vinyl Acetate	N	UG/L		4.10E+01						
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<20		<1		<1
Xylenes	N	UG/L	1.00E+04	1.90E+01		**220**		**5**		**1 J**
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01						
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01		<1		<1		<1
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01						
1,3-Dinitrobenzene	N	UG/L		2.00E-01						
1,4-Dioxane	N	UG/L		4.60E-01		<1		<1		<1
1,4-Dioxane	Y	UG/L		4.60E-01						
1,4-Naphthoquinone	N	UG/L								
1-Naphthylamine	N	UG/L								
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01						
2,4,5-Trichlorophenol	N	UG/L		1.20E+02		<1		<1		<1
2,4,6-Trichlorophenol	N	UG/L		1.20E+00		<1		<1		<1
2,4-Dichlorophenol	N	UG/L		4.60E+00		<1		<1		<1
2,4-Dimethylphenol	N	UG/L		3.60E+01		**4 J**		<1		<1
2,4-Dinitrophenol	N	UG/L		3.90E+00		<21		<20		<22
2,4-Dinitrotoluene	N	UG/L		2.40E-01		<1		<1		<1
2,6-Dichlorophenol	N	UG/L								
2,6-Dinitrotoluene	N	UG/L		4.80E-02		<1		<1		<1
2-Acetylaminofluorene	N	UG/L		1.60E-02						
2-Chloronaphthalene	N	UG/L		7.50E+01		<1		<1		<1
2-Chlorophenol	N	UG/L		9.10E+00		**27**		<1		<1

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			Federal MCL	EPA SL Tap Water	Field Sample ID	9442286	9442560	9442573	9442846	9442859
					Sample Name	BEL-G-SLM-HP-1	BEL-G-SLM-HP-2-DIS	BEL-G-SLM-HP-2	BEL-G-SLM-HP-3-DIS	BEL-G-SLM-HP-3
					Date Sampled	12/11/2002	12/11/2002	12/11/2002	12/11/2002	12/11/2002
					Sample Purpose	FS	FS	FS	FS	FS
2-Methylnaphthalene	N	UG/L		3.60E+00		<1		**2 J**		<1
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01		**3 J**		<1		<1
2-Naphthylamine	N	UG/L		3.90E-02						
2-Nitroaniline	N	UG/L		1.90E+01		<1		<1		<1
2-Nitrophenol	N	UG/L				<1		<1		<1
2-Picoline	N	UG/L				<2		<2		<2
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01		<1		<1		<1
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03						
3-Methylcholanthrene	N	UG/L		1.10E-03						
3-Nitroaniline	N	UG/L				<1		<1		<1
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01		<5		<5		<5
4-Aminobiphenyl	N	UG/L		3.00E-03						
4-Bromophenyl Phenyl Ether	N	UG/L				<1		<1		<1
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02		<1		<1		<1
4-Chloroaniline	N	UG/L		3.60E-01		<1 UL		<1 UL		<1 UL
4-Chlorophenyl Phenyl Ether	N	UG/L				<1		<1		<1
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03						
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02		**18**		<2		**3 J**
4-Nitroaniline	N	UG/L		3.80E+00		<1		<1		<1
4-Nitrophenol	N	UG/L				<10		<10		<11
4-Nitroquinoline-N-Oxide	N	UG/L								
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00						
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04						
Acenaphthene	N	UG/L		5.30E+01		<1		<1		<1
Acenaphthylene	N	UG/L		5.30E+01		<1		<1		<1
Acetophenone	N	UG/L		1.90E+02		**6 J**		<2		<2
Aniline	N	UG/L		1.30E+01		<1		<1		<1
Anthracene	N	UG/L		1.80E+02		<1		**2 J**		<1
Benzo(A)Anthracene	N	UG/L		1.20E-02		<1		**1 J**		<1
Benzo(B)Fluoranthene	N	UG/L		3.40E-02		<1		**1 J**		<1
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01		<1		<1		<1
Benzo(K)Fluoranthene	N	UG/L		3.40E-01		<1		<1		<1
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03		<1		<1		<1
Benzyl Alcohol	N	UG/L		2.00E+02						
Bis(2-Chloro-1-Methylethyl) Ether	N	UG/L		3.60E-01		<1		<1		<1
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00		<1		<1		<1
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02		<1		<1		<1
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00		<2		<2		<2
Butyl Benzyl Phthalate	N	UG/L		1.60E+01		<2		<2		<2
Carbazole	N	UG/L				<1		**2 J**		<1
Chlorobenzilate	N	UG/L		3.10E-01						

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			Federal MCL	EPA SL Tap Water	Field Sample ID	9442286	9442560	9442573	9442846	9442859
					Sample Name	BEL-G-SLM-HP-1	BEL-G-SLM-HP-2-DIS	BEL-G-SLM-HP-2	BEL-G-SLM-HP-3-DIS	BEL-G-SLM-HP-3
					Date Sampled	12/11/2002	12/11/2002	12/11/2002	12/11/2002	12/11/2002
					Sample Purpose	FS	FS	FS	FS	FS
Chrysene	N	UG/L		3.40E+00		<1		**1 J**		<1
Diallate	N	UG/L		5.20E-01						
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03		<1		<1		<1
Dibenzofuran	N	UG/L		7.90E-01		<1		**2 J**		<1
Diethyl Phthalate	N	UG/L		1.50E+03		<2		<2		<2
Dimethyl Phthalate	N	UG/L				<2		<2		<2
Di-N-Butyl Phthalate	N	UG/L		9.00E+01		<2		<2		<2
Ethyl Methanesulfonate	N	UG/L								
Famphur	N	UG/L								
Fluoranthene	N	UG/L		8.00E+01		<1		**4 J**		<1
Fluorene	N	UG/L		2.90E+01		<1		<1		<1
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03		<1		<1		<1
Hexachlorobutadiene	N	UG/L		1.40E-01		<1		<1		<1
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02		<5		<5		<5
Hexachloroethane	N	UG/L		3.30E-01		<1		<1		<1
Hexachlorophene	N	UG/L		6.00E-01						
Hexachloropropylene	N	UG/L								
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02		<1		<1		<1
Isodrin	N	UG/L								
Isophorone	N	UG/L		7.80E+01		<1		<1		<1
Isosafrole	N	UG/L								
Kepone	N	UG/L		3.50E-03						
Methapyrilene	N	UG/L								
Methyl Methanesulfonate	N	UG/L		7.90E-01						
Naphthalene	N	UG/L		1.70E-01		**8 J**		**13**		**6 J**
Naphthalene	Y	UG/L		1.70E-01						
N-Dioctyl Phthalate	N	UG/L		2.00E+01		<2		<2		<2
Nitrobenzene	N	UG/L		1.40E-01		<1		<1		<1
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04						
N-Nitrosodiethylamine	N	UG/L		1.70E-04						
N-Nitrosodimethylamine	N	UG/L		1.10E-04						
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03						
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02		<1		<1		<1
N-Nitrosodiphenylamine	N	UG/L		1.20E+01		<2		<2		<2
N-Nitrosomorpholine	N	UG/L		1.20E-02						
N-Nitrosopiperidine	N	UG/L		8.20E-03						
N-Nitrosopyrrolidine	N	UG/L		3.70E-02						
O,O,O-Triethylphosphorothioate	N	UG/L								
O-Toluidine	N	UG/L								
para-Phenylenediamine	N	UG/L		3.80E+02						
Parathion	N	UG/L		8.60E+00						

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			Federal MCL	EPA SL Tap Water	Field Sample ID	9442286	9442560	9442573	9442846	9442859
					Sample Name	BEL-G-SLM-HP-1	BEL-G-SLM-HP-2-DIS	BEL-G-SLM-HP-2	BEL-G-SLM-HP-3-DIS	BEL-G-SLM-HP-3
					Date Sampled	12/11/2002	12/11/2002	12/11/2002	12/11/2002	12/11/2002
					Sample Purpose	FS	FS	FS	FS	FS
Pentachlorobenzene	N	UG/L		3.20E-01						
Pentachloronitrobenzene	N	UG/L		1.20E-01						
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02		<3		<3		<3
Phenacetin	N	UG/L		3.40E+01						
Phenanthrene	N	UG/L		1.80E+02		<1		**7 J**		**2 J**
Phenol	N	UG/L		5.80E+02		**9 J**		**2 J**		**6 J**
Pyrene	N	UG/L		1.20E+01		<1		**3 J**		<1
Pyridine	N	UG/L		2.00E+00		<2		<2		<2
Safrole	N	UG/L		9.50E-02						
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01						
Thionazin	N	UG/L								
Pesticides and PCBs										
4,4'-DDD	N	UG/L		3.10E-02						
4,4'-DDE	N	UG/L		4.60E-02						
4,4'-DDT	N	UG/L		2.30E-01						
Aldrin	N	UG/L		9.20E-04						
Alpha-BHC	N	UG/L		7.10E-03						
beta-BHC	N	UG/L		2.50E-02						
Chlordane	N	UG/L	2.00E+00							
delta-BHC	N	UG/L								
Dieldrin	N	UG/L		1.70E-03						
Dimethoate	N	UG/L		4.00E-01						
Disulfoton	N	UG/L		5.00E-02						
Endosulfan I	N	UG/L		1.00E+01						
Endosulfan II	N	UG/L		1.00E+01						
Endosulfan Sulfate	N	UG/L		1.00E+01						
Endrin	N	UG/L	2.00E+00	2.30E-01						
Endrin Aldehyde	N	UG/L		2.30E-01						
Heptachlor	N	UG/L	4.00E-01	1.40E-03						
Heptachlor Epoxide	N	UG/L	2.00E-01	1.40E-03						
Lindane	N	UG/L	2.00E-01	4.10E-02						
Methoxychlor	N	UG/L	4.00E+01	3.70E+00						
Methyl Parathion	N	UG/L		4.50E-01						
Phorate	N	UG/L		3.00E-01						
Toxaphene	N	UG/L	3.00E+00	1.50E-02						
PCB 1016	N	UG/L		1.40E-01						
PCB 1221	N	UG/L		4.60E-03						
PCB 1232	N	UG/L		4.60E-03						
PCB 1242	N	UG/L		7.80E-03						
PCB 1248	N	UG/L		7.80E-03						
PCB 1254	N	UG/L		7.80E-03						

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			Federal MCL	EPA SL Tap Water	Field Sample ID	9442286	9442560	9442573	9442846	9442859
					Sample Name	BEL-G-SLM-HP-1	BEL-G-SLM-HP-2-DIS	BEL-G-SLM-HP-2	BEL-G-SLM-HP-3-DIS	BEL-G-SLM-HP-3
					Date Sampled	12/11/2002	12/11/2002	12/11/2002	12/11/2002	12/11/2002
					Sample Purpose	FS	FS	FS	FS	FS
PCB 1260	N	UG/L		7.80E-03						
2,4,5-T	N	UG/L		1.60E+01						
2,4-Dichlorophenoxyacetic Acid	N	UG/L	7.00E+01	1.70E+01						
Dinoseb	N	UG/L	7.00E+00	1.50E+00						
Pronamide	N	UG/L		1.20E+02						
Silvex	N	UG/L	5.00E+01	1.10E+01						
Inorganics										
Antimony	N	UG/L	6.00E+00	7.80E-01						
Arsenic	N	UG/L	1.00E+01	5.20E-02		**68.10000**		<4.90000		**39.30000**
Arsenic	Y	UG/L	1.00E+01	5.20E-02			**5.00000 J**		**46.90000**	
Barium	N	UG/L	2.00E+03	3.80E+02		**482.0000**		**94.30000**		**618.0000**
Barium	Y	UG/L	2.00E+03	3.80E+02			**50.80000**		**321.0000**	
Beryllium	N	UG/L	4.00E+00	2.50E+00						
Cadmium	N	UG/L	5.00E+00	9.20E-01		<0.940000		<0.940000		<0.940000
Cadmium	Y	UG/L	5.00E+00	9.20E-01			<0.940000		<0.940000	
Chromium	N	UG/L	1.00E+02	2.20E+03		**7.20000**		<2.00000		**18.60000**
Chromium	Y	UG/L	1.00E+02	2.20E+03			<2.00000		<2.00000	
Cobalt	N	UG/L		6.00E-01						
Copper	N	UG/L	1.30E+03	8.00E+01						
Iron	N	UG/L		1.40E+03		**20900.00**		**3140.000**		**103000.0**
Iron	Y	UG/L		1.40E+03			**1060.000**		**17400.00**	
Lead	N	UG/L	1.50E+01	1.50E+01		<8.90000		<8.90000		**21.10000**
Lead	Y	UG/L	1.50E+01	1.50E+01			<8.90000		<8.90000	
Manganese	N	UG/L		4.30E+01		**475.0000**		**132.0000**		**10100.00**
Manganese	Y	UG/L		4.30E+01			**78.00000**		**2290.000**	
Mercury	N	UG/L	2.00E+00	6.30E-02		<0.0790000		<0.0790000		<0.0790000
Mercury	Y	UG/L	2.00E+00	6.30E-02			<0.0790000		<0.0790000	
Nickel	N	UG/L		3.90E+01						
Selenium	N	UG/L	5.00E+01	1.00E+01		<4.80000		<4.80000		<4.80000
Selenium	Y	UG/L	5.00E+01	1.00E+01			<4.80000		<4.80000	
Silver	N	UG/L		9.40E+00		<1.40000		<1.40000		<1.40000
Silver	Y	UG/L		9.40E+00			<1.40000		<1.40000	
Thallium	N	UG/L	2.00E+00	2.00E-02						
Tin	N	UG/L		1.20E+03						
Vanadium	N	UG/L		8.60E+00						
Zinc	N	UG/L		6.00E+02						
Miscellaneous										
Alkalinity, Bicarb. As CaCO3 At pH 4.5	N	UG/L				**1460000.0**		**308000.0**		**490000.0**
Alkalinity, Carb.As CaCO3 At pH 8.3	N	UG/L				<410.000		<410.000		<410.000
Nitrate	N	UG/L	1.00E+04	3.20E+03		<400.000		<400.000		<400.000
Nitrite	N	UG/L	1.00E+03	2.00E+02		<400.000		<400.000		<400.000

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SLM-HP-1	SLM-HP-2	SLM-HP-2	SLM-HP-3	SLM-HP-3
			Federal MCL	EPA SL Tap Water	Field Sample ID	9442286	9442560	9442573	9442846	9442859
					Sample Name	BEL-G-SLM-HP-1	BEL-G-SLM-HP-2-DIS	BEL-G-SLM-HP-2	BEL-G-SLM-HP-3-DIS	BEL-G-SLM-HP-3
					Date Sampled	12/11/2002	12/11/2002	12/11/2002	12/11/2002	12/11/2002
					Sample Purpose	FS	FS	FS	FS	FS
Total Kjeldahl Nitrogen	N	UG/L				**33800.00**		**1700.00**		**7400.00**
Total Organic Carbon	N	UG/L				**125000.0**		**9530.000**		**19300.00**
Chloride	N	UG/L				**315000.0**		**24300.00**		**167000.0**
Cyanide	N	UG/L	2.00E+02	1.50E-01						
Phosphorus	N	UG/L		4.00E-02		**3440.000**		**177.0000**		**2960.000**
Sulfate	N	UG/L				**37800.00**		**129000.0**		**3300.00 B**
Sulfide	N	UG/L				<530.000		<530.000		**5100.00 J**

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-34	SLM-10	SLM-11	SLM-12	SLM-13	SLM-13
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7643922	P4S-0713-SLM-10-7-8	P4S-0713-SLM-11-14-15	P4S-0713-SLM-12-11-12	P4S-0713-SLM-13-14-15	P4S-0713-SLM-13-14-15-D
					Sample Name	BEL-S-HP-34(4.5-5.5)					
					Date Sampled	10/18/2000	07/19/2013	07/19/2013	07/19/2013	07/19/2013	07/19/2013
					Start Depth - End Depth	4.5 - 5.5					
					Sample Purpose	FS	FS	FS	FS	FS	DUP
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020	<0.0020	<0.4100	<0.0020	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0410	<0.0010	**19**	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0410	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0410	<0.0010	**0.2800 J**	<0.0010	<0.0010	<0.0010
2-Chloroethyl Vinyl Ether	MG/KG										
2-Hexanone	MG/KG		1.76E-01			<0.0030	<0.0030	<0.6100	<0.0030	<0.0030	<0.0030
Acetone	MG/KG		5.80E+01			<0.0080	**0.0310**	<1.4000	**0.0110 J**	**0.027**	**0.037**
Acetonitrile	MG/KG		5.20E-01			<0.0270	<0.0270	<5.1000	<0.0250	<0.0240	<0.0240
Acrolein	MG/KG		1.68E-04			<0.0220	<0.0220	<4.1000	<0.0200	<0.0190	<0.0190
Acrylonitrile	MG/KG		2.20E-04			<0.0040	<0.0040	<0.8200	<0.0040	<0.0040	<0.0040
Allyl Chloride	MG/KG		4.60E-03			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			**0.0020 J**	<0.00050	<0.1000	<0.00050	<0.00050	<0.00050
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			**0.0010 J**	**0.0010 J**	<0.2000	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			**1.0000**	**0.0320**	**5.2**	**0.056**	**0.0020 J**	**0.0030 J**
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			**0.0040 J**	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020	<0.0020	<0.4100	<0.0020	<0.0020	<0.0020
Ethyl Chloride	MG/KG		1.18E+02			<0.0020	<0.0020	<0.4100	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			**0.0040 J**	<0.0010	**330**	<0.0010	<0.0010	<0.0010
Iodomethane	MG/KG					<0.0030	<0.0030	<0.6100	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1100	<0.1100	<20.0000	<0.0990	<0.0960	<0.0970
Methacrylonitrile	MG/KG		8.60E-03			<0.0050	<0.0050	<1.0000	<0.0050	<0.0050	<0.0050
Methyl Bromide	MG/KG		3.80E-02			<0.0020 UL	<0.0020	<0.4100	<0.0020	<0.0020	<0.0020

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7643922	P4S-0713-SLM-10-7-8	P4S-0713-SLM-11-14-15	P4S-0713-SLM-12-11-12	P4S-0713-SLM-13-14-15	P4S-0713-SLM-13-14-15-D
					Sample Name	BEL-S-HP-34(4.5-5.5)					
					Date Sampled	10/18/2000	07/19/2013	07/19/2013	07/19/2013	07/19/2013	07/19/2013
					Start Depth - End Depth	4.5 - 5.5					
					Sample Purpose	FS	FS	FS	FS	FS	DUP
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil	Native Soil
Methyl Chloride	MG/KG		9.80E-01			<0.0020	<0.0020	<0.4100	<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0040	**0.0050 J**	<0.8200	<0.0040	<0.0040	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0030	<0.6100	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			**0.0080**	<0.0020	<0.4100	<0.0020	<0.0020	<0.0020
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0330	<0.0320	<6.1000	<0.0300	<0.0290	<0.0290
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			<0.0010	<0.0010	**8.5**	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0110	<0.0110	<2.0000	<0.0100	<0.0100	<0.0100
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020	<0.4100	<0.0020	<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020	<0.4100	<0.0020	<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010	<0.0010	<0.2000	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			**0.0220**	**0.0020 J**	**1300**	<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0410					
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0410					
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2100					
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0410					
1,4-Dioxane	MG/KG		1.88E-03			<0.0770					
1,4-Naphthoquinone	MG/KG					<1.0000 UL					
1-Naphthylamine	MG/KG					<0.2100 UL					
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0830					
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0830					
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0830					
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0830					
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0830					
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.8300					
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0410					
2,6-Dichlorophenol	MG/KG					<0.0410					
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0410					
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0410					
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0410					
2-Chlorophenol	MG/KG		1.48E+00			<0.0410					
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		<0.0410					
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0410					

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7643922	P4S-0713-SLM-10-7-8	P4S-0713-SLM-11-14-15	P4S-0713-SLM-12-11-12	P4S-0713-SLM-13-14-15	P4S-0713-SLM-13-14-15-D
					Sample Name	BEL-S-HP-34(4.5-5.5)					
					Date Sampled	10/18/2000	07/19/2013	07/19/2013	07/19/2013	07/19/2013	07/19/2013
					Start Depth - End Depth	4.5 - 5.5					
					Sample Purpose	FS	FS	FS	FS	FS	DUP
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil	Native Soil
2-Naphthylamine	MG/KG		4.00E-03			<0.2100 R					
2-Nitroaniline	MG/KG		1.60E+00			<0.0830					
2-Nitrophenol	MG/KG					<0.0830					
2-Picoline	MG/KG					<0.0830					
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.0830					
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.2100 UL					
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0830					
3-Nitroaniline	MG/KG					<0.0830					
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2100					
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2100 UL					
4-Bromophenyl Phenyl Ether	MG/KG					<0.0410					
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0830					
4-Chloroaniline	MG/KG		3.20E-03			<0.0830 UL					
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0410					
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0410					
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0830					
4-Nitroaniline	MG/KG		3.20E-02			<0.0830					
4-Nitrophenol	MG/KG					<0.2100					
4-Nitroquinoline-N-Oxide	MG/KG					<0.4100					
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2100 UL					
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0410					
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0410					
Acenaphthylene	MG/KG			3.10E-01		<0.0410					
Acetophenone	MG/KG		1.16E+01			<0.0410					
Aniline	MG/KG		9.20E-02			<0.0830					
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0410					
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		<0.0410					
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		<0.0410					
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		<0.0410					
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		<0.0410					
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		<0.0410					
Benzyl Alcohol	MG/KG		9.60E+00			<0.2100					
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03			<0.0410					
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0830					
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0410					
Bis(2-Chloroisopropyl)Ether	MG/KG										
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0830					
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0830					
Carbazole	MG/KG										
Chlorobenzilate	MG/KG		2.00E-02			<0.0830					
Chrysene	MG/KG		2.40E+01	1.50E+00		<0.0410					

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7643922	P4S-0713-SLM-10-7-8	P4S-0713-SLM-11-14-15	P4S-0713-SLM-12-11-12	P4S-0713-SLM-13-14-15	P4S-0713-SLM-13-14-15-D
					Sample Name	BEL-S-HP-34(4.5-5.5)					
					Date Sampled	10/18/2000	07/19/2013	07/19/2013	07/19/2013	07/19/2013	07/19/2013
					Start Depth - End Depth	4.5 - 5.5					
					Sample Purpose	FS	FS	FS	FS	FS	DUP
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil	Native Soil
Diallate	MG/KG		1.56E-02			<0.0830					
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0410					
Dibenzofuran	MG/KG		3.00E+00			<0.0410					
Diethyl Phthalate	MG/KG		1.22E+02			<0.0830					
Dimethyl Phthalate	MG/KG					<0.0830					
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0830					
Ethyl Methanesulfonate	MG/KG					<0.0410					
Famphur	MG/KG					<0.00830					
Fluoranthene	MG/KG		1.78E+03	1.90E+00		<0.0410					
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.0410					
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0410					
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0830					
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2100					
Hexachloroethane	MG/KG		4.00E-03			<0.0410					
Hexachlorophene	MG/KG		1.60E+02			<0.0020 UL					
Hexachloropropylene	MG/KG					<0.0830					
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		<0.0410					
Isodrin	MG/KG					<0.0830					
Isophorone	MG/KG		5.20E-01			<0.0410					
Isosafrole	MG/KG					<0.0410					
Kepone	MG/KG		2.40E-03			<0.00830					
Methapyrilene	MG/KG					<0.0410					
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0410					
Naphthalene	MG/KG		1.08E-02	1.20E+00		<0.0410					
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0830					
Nitrobenzene	MG/KG		1.84E-03			<0.0410					
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0830					
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0410					
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0830					
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0410					
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0410					
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0410					
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0830					
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0830					
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0830					
O,O,O-Triethylphosphorothioate	MG/KG					<0.1200					
O-Toluidine	MG/KG					<0.0830 UL					
para-Phenylenediamine	MG/KG		2.00E+01			<2.5000 R					
Parathion	MG/KG		8.60E+00			<0.00830					
Pentachlorobenzene	MG/KG		4.80E-01			<0.0410					
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0410					

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-34	SLM-10	SLM-11	SLM-12	SLM-13	SLM-13
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7643922	P4S-0713-SLM-10-7-8	P4S-0713-SLM-11-14-15	P4S-0713-SLM-12-11-12	P4S-0713-SLM-13-14-15	P4S-0713-SLM-13-14-15-D
					Sample Name	BEL-S-HP-34(4.5-5.5)					
					Date Sampled	10/18/2000	07/19/2013	07/19/2013	07/19/2013	07/19/2013	07/19/2013
					Start Depth - End Depth	4.5 - 5.5					
					Sample Purpose	FS	FS	FS	FS	FS	DUP
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil	Native Soil
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.2100					
Phenacetin	MG/KG		1.94E-01			<0.0410					
Phenanthrene	MG/KG			8.70E-01		<0.0410					
Phenol	MG/KG		6.60E+01			<0.0830					
Pyrene	MG/KG		2.60E+02	1.50E+00		<0.0410					
Pyridine	MG/KG		1.36E-01			<0.0830					
Safrole	MG/KG		1.18E-03			<0.0410					
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0830					
Thionazin	MG/KG					<0.0830					
Pesticides and PCBs											
4,4'-DDD	MG/KG		1.44E-01			<0.00160					
4,4'-DDE	MG/KG		2.20E-01			<0.00160					
4,4'-DDT	MG/KG		1.54E+00			<0.00160					
Aldrin	MG/KG		3.00E-03			<0.000830					
Alpha-BHC	MG/KG		8.20E-04			<0.000830					
beta-BHC	MG/KG		2.80E-03			<0.00190					
Chlordane	MG/KG					<0.0410					
delta-BHC	MG/KG					<0.000830					
Dieldrin	MG/KG		1.38E-03			<0.00160					
Dimethoate	MG/KG		1.80E-02			<0.1200 UL					
Disulfoton	MG/KG		1.88E-02			<0.00830					
Endosulfan I	MG/KG					<0.000830					
Endosulfan II	MG/KG					<0.00160					
Endosulfan Sulfate	MG/KG					<0.00160					
Endrin	MG/KG	1.62E+00	1.84E+00			<0.00160					
Endrin Aldehyde	MG/KG					<0.00160					
Heptachlor	MG/KG	6.60E-01	2.20E-03			<0.000830					
Heptachlor Epoxide	MG/KG	8.20E-02	5.60E-04			<0.000830					
Lindane	MG/KG	2.40E-02	4.80E-03			<0.000830					
Methoxychlor	MG/KG	4.40E+01	4.00E+01			<0.00830					
Methyl Parathion	MG/KG		1.48E-01			<0.00830					
Phorate	MG/KG		6.80E-02			<0.00830					
Toxaphene	MG/KG	9.20E+00	4.80E-02			<0.0830					
PCB 1016	MG/KG		4.20E-01			<0.0410					
PCB 1221	MG/KG		1.58E-03			<0.0970					
PCB 1232	MG/KG		1.58E-03			<0.0410					
PCB 1242	MG/KG		2.40E-02			<0.0410					
PCB 1248	MG/KG		2.40E-02			<0.0410					
PCB 1254	MG/KG		4.00E-02			<0.0410					
PCB 1260	MG/KG		1.10E-01			<0.0410					
2,4,5-T	MG/KG		1.34E+00			<0.000500					

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-34	SLM-10	SLM-11	SLM-12	SLM-13	SLM-13
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7643922	P4S-0713-SLM-10-7-8	P4S-0713-SLM-11-14-15	P4S-0713-SLM-12-11-12	P4S-0713-SLM-13-14-15	P4S-0713-SLM-13-14-15-D
					Sample Name	BEL-S-HP-34(4.5-5.5)					
					Date Sampled	10/18/2000	07/19/2013	07/19/2013	07/19/2013	07/19/2013	07/19/2013
					Start Depth - End Depth	4.5 - 5.5					
					Sample Purpose	FS	FS	FS	FS	FS	DUP
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil	Native Soil
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01			<0.00410					
Dinoseb	MG/KG	1.24E+00	2.60E+00			<0.00470 R					
Pronamide	MG/KG		2.40E+01			<0.2100					
Silvex	MG/KG	5.60E-01	1.22E+00			<0.000410					
Inorganics											
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		<2.7 UL					
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**4.5**					
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**135**					
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**0.81**					
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		<0.27 UL					
Chromium	MG/KG	3.60E+06		4.40E+01		**14.2**					
Cobalt	MG/KG		5.40E+00	2.23E+01		**8.4**					
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**13.5**					
Iron	MG/KG		7.00E+03								
Lead	MG/KG	2.80E+02		1.06E+02		**44.2**					
Manganese	MG/KG		5.60E+02								
Mercury	MG/KG	2.00E+00		4.14E+00		**0.069 J**					
Nickel	MG/KG		5.20E+02	2.59E+01		**14.8**					
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.33 J**					
Silver	MG/KG		1.60E+01			<0.38					
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		<0.57					
Tin	MG/KG		6.00E+04			<4.6					
Vanadium	MG/KG		1.72E+03	6.74E+01		**20.2**					
Zinc	MG/KG		7.40E+03	1.33E+02		**182**					
Miscellaneous											
Total Organic Carbon	MG/KG										
Cyanide	MG/KG	4.00E+01	3.00E-01			<0.2200					
Percent Moisture	%						**19.2**	**19.3**	**19.1**	**18.9**	**19.6**
Percent Moisture	% BY WT.					**19.7**					
Sulfide	MG/KG					**55**					

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7643922	P4S-0713-SLM-10-7-8	P4S-0713-SLM-11-14-15	P4S-0713-SLM-12-11-12	P4S-0713-SLM-13-14-15	P4S-0713-SLM-13-14-15-D
					Sample Name	BEL-S-HP-34(4.5-5.5)					
					Date Sampled	10/18/2000	07/19/2013	07/19/2013	07/19/2013	07/19/2013	07/19/2013
					Start Depth - End Depth	4.5 - 5.5					
					Sample Purpose	FS	FS	FS	FS	FS	DUP
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil	Native Soil

Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0713-SLM-2-13-14	P4S-0713-SLM-3-4-5	P4S-0713-SLM-4-7-8	P4S-0713-SLM-5-10-11	P4S-0713-SLM-6-7-8	P4S-0713-SLM-7-7-8
					Sample Name						
					Date Sampled	07/18/2013	07/18/2013	07/18/2013	07/18/2013	07/19/2013	07/19/2013
					Start Depth - End Depth						
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill	Fill
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0980	<0.0020	<0.0020	<0.0020	<0.0020	<0.1000
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0490	**0.032**	<0.00090	<0.00090	<0.0010	**2**
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
1,3-Dichlorobenzene	MG/KG					<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
2-Chloroethyl Vinyl Ether	MG/KG										
2-Hexanone	MG/KG		1.76E-01			<0.1500	<0.0030	<0.0030	<0.0030	<0.0030	<0.1500
Acetone	MG/KG		5.80E+01			<0.3400	**0.0150 J**	<0.0060	**0.0110 J**	<0.0080	<0.3600
Acetonitrile	MG/KG		5.20E-01			<1.2000	<0.0230	<0.0220	<0.0230	<0.0270	<1.3000
Acrolein	MG/KG		1.68E-04			<0.9800	<0.0190	<0.0180	<0.0180	<0.0220	<1.0000
Acrylonitrile	MG/KG		2.20E-04			<0.2000	<0.0040	<0.0040	<0.0040	<0.0040	<0.2000
Allyl Chloride	MG/KG		4.60E-03			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Benzene	MG/KG	5.20E-02	4.60E-03			<0.0240	**0.0020 J**	<0.00040	<0.00050	<0.00050	<0.0260
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Carbon Disulfide	MG/KG		4.80E+00			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0490	**0.04**	<0.00090	<0.00090	<0.0010	**2**
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Chloroprene	MG/KG		1.96E-04			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
cis-1,3-Dichloropropene	MG/KG					<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0980	<0.0020	<0.0020	<0.0020	<0.0020	<0.1000
Ethyl Chloride	MG/KG		1.18E+02			<0.0980	<0.0020	<0.0020	<0.0020	<0.0020	<0.1000
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			**8.1**	<0.00090	<0.00090	<0.00090	<0.0010	**13**
Iodomethane	MG/KG					<0.1500	<0.0030	<0.0030	<0.0030	<0.0030	<0.1500
Isobutyl Alcohol	MG/KG		2.40E+01			<4.9000	<0.0930	<0.0880	<0.0920	<0.1100	<5.1000
Methacrylonitrile	MG/KG		8.60E-03			<0.2400	<0.0050	<0.0040	<0.0050	<0.0050	<0.2600
Methyl Bromide	MG/KG		3.80E-02			<0.0980	<0.0020	<0.0020	<0.0020	<0.0020	<0.1000

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0713-SLM-2-13-14	P4S-0713-SLM-3-4-5	P4S-0713-SLM-4-7-8	P4S-0713-SLM-5-10-11	P4S-0713-SLM-6-7-8	P4S-0713-SLM-7-7-8
					Sample Name						
					Date Sampled	07/18/2013	07/18/2013	07/18/2013	07/18/2013	07/19/2013	07/19/2013
					Start Depth - End Depth						
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill	Fill
Methyl Chloride	MG/KG		9.80E-01			<0.0980	<0.0020	<0.0020	<0.0020	<0.0020	<0.1000
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.2000	<0.0040	<0.0040	<0.0040	<0.0040	<0.2000
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.1500	<0.0030	<0.0030	<0.0030	<0.0030	<0.1500
Methyl Methacrylate	MG/KG		6.00E+00			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Methylene Bromide	MG/KG		4.00E-02			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0980	<0.0020	<0.0020	<0.0020	<0.0020	<0.1000
Pentachloroethane	MG/KG		6.20E-03			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Propionitrile	MG/KG					<1.5000	<0.0280	<0.0270	<0.0280	<0.0320	<1.5000
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Toluene	MG/KG	1.38E+01	1.52E+01			**0.2100 J**	<0.00090	<0.00090	<0.00090	<0.0010	**0.29**
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
trans-1,3-Dichloropropene	MG/KG					<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.4900	<0.0090	<0.0090	<0.0090	<0.0110	<0.5100
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0980	<0.0020	<0.0020	<0.0020	<0.0020	<0.1000
Vinyl Acetate	MG/KG		1.74E+00			<0.0980	<0.0020	<0.0020	<0.0020	<0.0020	<0.1000
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0490	<0.00090	<0.00090	<0.00090	<0.0010	<0.0510
Xylenes	MG/KG	1.96E+02	3.80E+00			**23**	<0.00090	<0.00090	<0.00090	<0.0010	**55**
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01								
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02								
1,3,5-Trinitrobenzene	MG/KG		4.20E+01								
1,3-Dinitrobenzene	MG/KG		3.60E-02								
1,4-Dioxane	MG/KG		1.88E-03								
1,4-Naphthoquinone	MG/KG										
1-Naphthylamine	MG/KG										
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01								
2,4,5-Trichlorophenol	MG/KG		8.80E+01								
2,4,6-Trichlorophenol	MG/KG		3.00E-01								
2,4-Dichlorophenol	MG/KG		1.08E+00								
2,4-Dimethylphenol	MG/KG		8.40E+00								
2,4-Dinitrophenol	MG/KG		8.80E-01								
2,4-Dinitrotoluene	MG/KG		6.40E-03								
2,6-Dichlorophenol	MG/KG										
2,6-Dinitrotoluene	MG/KG		1.34E-03								
2-Acetylaminofluorene	MG/KG		1.44E-03								
2-Chloronaphthalene	MG/KG		7.60E+01								
2-Chlorophenol	MG/KG		1.48E+00								
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01							
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01								

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SLM-2	SLM-3	SLM-4	SLM-5	SLM-6	SLM-7
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0713-SLM-2-13-14	P4S-0713-SLM-3-4-5	P4S-0713-SLM-4-7-8	P4S-0713-SLM-5-10-11	P4S-0713-SLM-6-7-8	P4S-0713-SLM-7-7-8
					Sample Name						
					Date Sampled	07/18/2013	07/18/2013	07/18/2013	07/18/2013	07/19/2013	07/19/2013
					Start Depth - End Depth						
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill	Fill
2-Naphthylamine	MG/KG		4.00E-03								
2-Nitroaniline	MG/KG		1.60E+00								
2-Nitrophenol	MG/KG										
2-Picoline	MG/KG										
3,3'-Dichlorobenzidine	MG/KG		1.62E-02								
3,3'-Dimethylbenzidine	MG/KG		8.60E-04								
3-Methylcholanthrene	MG/KG		4.40E-02								
3-Nitroaniline	MG/KG										
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02								
4-Aminobiphenyl	MG/KG		3.00E-04								
4-Bromophenyl Phenyl Ether	MG/KG										
4-Chloro-3-Methylphenol	MG/KG		3.40E+01								
4-Chloroaniline	MG/KG		3.20E-03								
4-Chlorophenyl Phenyl Ether	MG/KG										
4-Dimethylaminoazobenzene	MG/KG		4.20E-04								
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01								
4-Nitroaniline	MG/KG		3.20E-02								
4-Nitrophenol	MG/KG										
4-Nitroquinoline-N-Oxide	MG/KG										
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02								
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03								
Acenaphthene	MG/KG		1.10E+02	3.40E-02							
Acenaphthylene	MG/KG			3.10E-01							
Acetophenone	MG/KG		1.16E+01								
Aniline	MG/KG		9.20E-02								
Anthracene	MG/KG		1.16E+03	4.40E-01							
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01							
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00							
Benzo(G,H,I)Perylene	MG/KG			6.10E-01							
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01							
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01							
Benzyl Alcohol	MG/KG		9.60E+00								
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03								
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01								
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05								
Bis(2-Chloroisopropyl)Ether	MG/KG										
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01								
Butyl Benzyl Phthalate	MG/KG		4.60E+00								
Carbazole	MG/KG										
Chlorobenzilate	MG/KG		2.00E-02								
Chrysene	MG/KG		2.40E+01	1.50E+00							

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SLM-2	SLM-3	SLM-4	SLM-5	SLM-6	SLM-7
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0713-SLM-2-13-14	P4S-0713-SLM-3-4-5	P4S-0713-SLM-4-7-8	P4S-0713-SLM-5-10-11	P4S-0713-SLM-6-7-8	P4S-0713-SLM-7-7-8
					Sample Name						
					Date Sampled	07/18/2013	07/18/2013	07/18/2013	07/18/2013	07/19/2013	07/19/2013
					Start Depth - End Depth						
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill	Fill
Diallate	MG/KG		1.56E-02								
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01							
Dibenzofuran	MG/KG		3.00E+00								
Diethyl Phthalate	MG/KG		1.22E+02								
Dimethyl Phthalate	MG/KG										
Di-N-Butyl Phthalate	MG/KG		4.60E+01								
Ethyl Methanesulfonate	MG/KG										
Famphur	MG/KG										
Fluoranthene	MG/KG		1.78E+03	1.90E+00							
Fluorene	MG/KG		1.08E+02	8.50E-02							
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03								
Hexachlorobutadiene	MG/KG		5.20E-03								
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02								
Hexachloroethane	MG/KG		4.00E-03								
Hexachlorophene	MG/KG		1.60E+02								
Hexachloropropylene	MG/KG										
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01							
Isodrin	MG/KG										
Isophorone	MG/KG		5.20E-01								
Isosafrole	MG/KG										
Kepone	MG/KG		2.40E-03								
Methapyrilene	MG/KG										
Methyl Methanesulfonate	MG/KG		3.20E-03								
Naphthalene	MG/KG		1.08E-02	1.20E+00							
N-Dioctyl Phthalate	MG/KG		1.14E+03								
Nitrobenzene	MG/KG		1.84E-03								
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06								
N-Nitrosodiethylamine	MG/KG		1.20E-06								
N-Nitrosodimethylamine	MG/KG		5.50E-07								
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04								
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04								
N-Nitrosodiphenylamine	MG/KG		1.32E+00								
N-Nitrosomorpholine	MG/KG		5.60E-05								
N-Nitrosopiperidine	MG/KG		8.80E-05								
N-Nitrosopyrrolidine	MG/KG		2.80E-04								
O,O,O-Triethylphosphorothioate	MG/KG										
O-Toluidine	MG/KG										
para-Phenylenediamine	MG/KG		2.00E+01								
Parathion	MG/KG		8.60E+00								
Pentachlorobenzene	MG/KG		4.80E-01								
Pentachloronitrobenzene	MG/KG		2.80E-02								

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SLM-2	SLM-3	SLM-4	SLM-5	SLM-6	SLM-7
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0713-SLM-2-13-14	P4S-0713-SLM-3-4-5	P4S-0713-SLM-4-7-8	P4S-0713-SLM-5-10-11	P4S-0713-SLM-6-7-8	P4S-0713-SLM-7-7-8
					Sample Name						
					Date Sampled	07/18/2013	07/18/2013	07/18/2013	07/18/2013	07/19/2013	07/19/2013
					Start Depth - End Depth						
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill	Fill
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03								
Phenacetin	MG/KG		1.94E-01								
Phenanthrene	MG/KG			8.70E-01							
Phenol	MG/KG		6.60E+01								
Pyrene	MG/KG		2.60E+02	1.50E+00							
Pyridine	MG/KG		1.36E-01								
Safrole	MG/KG		1.18E-03								
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01								
Thionazin	MG/KG										
Pesticides and PCBs											
4,4'-DDD	MG/KG		1.44E-01								
4,4'-DDE	MG/KG		2.20E-01								
4,4'-DDT	MG/KG		1.54E+00								
Aldrin	MG/KG		3.00E-03								
Alpha-BHC	MG/KG		8.20E-04								
beta-BHC	MG/KG		2.80E-03								
Chlordane	MG/KG										
delta-BHC	MG/KG										
Dieldrin	MG/KG		1.38E-03								
Dimethoate	MG/KG		1.80E-02								
Disulfoton	MG/KG		1.88E-02								
Endosulfan I	MG/KG										
Endosulfan II	MG/KG										
Endosulfan Sulfate	MG/KG										
Endrin	MG/KG	1.62E+00	1.84E+00								
Endrin Aldehyde	MG/KG										
Heptachlor	MG/KG	6.60E-01	2.20E-03								
Heptachlor Epoxide	MG/KG	8.20E-02	5.60E-04								
Lindane	MG/KG	2.40E-02	4.80E-03								
Methoxychlor	MG/KG	4.40E+01	4.00E+01								
Methyl Parathion	MG/KG		1.48E-01								
Phorate	MG/KG		6.80E-02								
Toxaphene	MG/KG	9.20E+00	4.80E-02								
PCB 1016	MG/KG		4.20E-01								
PCB 1221	MG/KG		1.58E-03								
PCB 1232	MG/KG		1.58E-03								
PCB 1242	MG/KG		2.40E-02								
PCB 1248	MG/KG		2.40E-02								
PCB 1254	MG/KG		4.00E-02								
PCB 1260	MG/KG		1.10E-01								
2,4,5-T	MG/KG		1.34E+00								

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SLM-2	SLM-3	SLM-4	SLM-5	SLM-6	SLM-7
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0713-SLM-2-13-14	P4S-0713-SLM-3-4-5	P4S-0713-SLM-4-7-8	P4S-0713-SLM-5-10-11	P4S-0713-SLM-6-7-8	P4S-0713-SLM-7-7-8
					Sample Name						
					Date Sampled	07/18/2013	07/18/2013	07/18/2013	07/18/2013	07/19/2013	07/19/2013
					Start Depth - End Depth						
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill	Fill
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01								
Dinoseb	MG/KG	1.24E+00	2.60E+00								
Pronamide	MG/KG		2.40E+01								
Silvex	MG/KG	5.60E-01	1.22E+00								
Inorganics											
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00							
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01							
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02							
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00							
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00							
Chromium	MG/KG	3.60E+06		4.40E+01							
Cobalt	MG/KG		5.40E+00	2.23E+01							
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01							
Iron	MG/KG		7.00E+03								
Lead	MG/KG	2.80E+02		1.06E+02							
Manganese	MG/KG		5.60E+02								
Mercury	MG/KG	2.00E+00		4.14E+00							
Nickel	MG/KG		5.20E+02	2.59E+01							
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00							
Silver	MG/KG		1.60E+01								
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01							
Tin	MG/KG		6.00E+04								
Vanadium	MG/KG		1.72E+03	6.74E+01							
Zinc	MG/KG		7.40E+03	1.33E+02							
Miscellaneous											
Total Organic Carbon	MG/KG										
Cyanide	MG/KG	4.00E+01	3.00E-01								
Percent Moisture	%					**19.4 J**	**18.2 J**	**16.4 J**	**18.0 J**	**20.8**	**20.0**
Percent Moisture	% BY WT.										
Sulfide	MG/KG										

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SLM-2	SLM-3	SLM-4	SLM-5	SLM-6	SLM-7
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0713-SLM-2-13-14	P4S-0713-SLM-3-4-5	P4S-0713-SLM-4-7-8	P4S-0713-SLM-5-10-11	P4S-0713-SLM-6-7-8	P4S-0713-SLM-7-7-8
					Sample Name						
					Date Sampled	07/18/2013	07/18/2013	07/18/2013	07/18/2013	07/19/2013	07/19/2013
					Start Depth - End Depth						
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill	Fill

Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SLM-8	SLM-9	SLM-HP-1	SLM-HP-2	SLM-HP-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0713-SLM-8-8-9	P4S-0713-SLM-9-7-8	9442142	9442430	9442716
					Sample Name			BEL-S-SLM-HP-(1)12-14	BEL-S-SLM-HP-(2)12-14	BEL-S-SLM-HP-(3)6-8
					Date Sampled	07/19/2013	07/19/2013	12/12/2002	12/12/2002	12/12/2002
					Start Depth - End Depth			12 - 14	12 - 14	6 - 8
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010	<0.0010			
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010	<0.0010			
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020	<0.0030			
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010	<0.0010			
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			**0.014**	<0.0010	<0.0390	<0.0400	<0.0390
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010	<0.0390	<0.0400	<0.0390
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			**0.0010 J**	<0.0010	<0.0390	<0.0400	<0.0390
2-Chloroethyl Vinyl Ether	MG/KG							<0.0980		
2-Hexanone	MG/KG		1.76E-01			<0.0030	<0.0040			
Acetone	MG/KG		5.80E+01			**0.0070 J**	<0.0100	<0.3400	**0.0110 J**	**0.0100 J**
Acetonitrile	MG/KG		5.20E-01			<0.0240	<0.0360			
Acrolein	MG/KG		1.68E-04			<0.0190	<0.0290			
Acrylonitrile	MG/KG		2.20E-04			<0.0040	<0.0060			
Allyl Chloride	MG/KG		4.60E-03			<0.0010	<0.0010			
Benzene	MG/KG	5.20E-02	4.60E-03			**0.00070 J**	<0.00070	**0.59**	**0.2**	**0.23**
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			**0.0010 J**	<0.0010			
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			**0.25**	**0.007**	**2.1**	**0.2**	**0.023**
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.0010	<0.0010			
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020	<0.0030			
Ethyl Chloride	MG/KG		1.18E+02			<0.0020	<0.0030	<0.0980	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010	<0.0010			
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			**0.009**	**0.0050 J**	<0.0490	**0.0210 L**	<0.0010
Iodomethane	MG/KG					<0.0030	<0.0040			
Isobutyl Alcohol	MG/KG		2.40E+01			<0.0960	<0.1400			
Methacrylonitrile	MG/KG		8.60E-03			<0.0050	<0.0070			
Methyl Bromide	MG/KG		3.80E-02			<0.0020	<0.0030	<0.0980	<0.0020 UL	<0.0020

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SLM-8	SLM-9	SLM-HP-1	SLM-HP-2	SLM-HP-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0713-SLM-8-8-9	P4S-0713-SLM-9-7-8	9442142	9442430	9442716
					Sample Name			BEL-S-SLM-HP-(1)12-14	BEL-S-SLM-HP-(2)12-14	BEL-S-SLM-HP-(3)6-8
					Date Sampled	07/19/2013	07/19/2013	12/12/2002	12/12/2002	12/12/2002
					Start Depth - End Depth			12 - 14	12 - 14	6 - 8
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil
Methyl Chloride	MG/KG		9.80E-01			<0.0020	<0.0030	<0.0980	<0.0020 UL	<0.0020
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0040	<0.0060	<0.2000	<0.0040	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0040			
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010	<0.0010			
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.0010			
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020	<0.0030	<0.0980	**0.008**	**0.008**
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.0010			
Propionitrile	MG/KG					<0.0290	<0.0430			
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010	<0.0010			
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			<0.0010	**0.0020 J**	**0.1300 J**	**0.043**	**0.053**
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0100	<0.0140			
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0030			
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0030			
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010	<0.0010	<0.0490	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			**0.25**	**0.032**	<0.0490	**0.009**	**0.006**
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01							
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02					<0.0390	<0.0400	<0.0390
1,3,5-Trinitrobenzene	MG/KG		4.20E+01							
1,3-Dinitrobenzene	MG/KG		3.60E-02							
1,4-Dioxane	MG/KG		1.88E-03					<0.1200	<0.1200	<0.1200
1,4-Naphthoquinone	MG/KG									
1-Naphthylamine	MG/KG									
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01							
2,4,5-Trichlorophenol	MG/KG		8.80E+01					<0.0390	<0.0400	<0.0390
2,4,6-Trichlorophenol	MG/KG		3.00E-01					<0.0390	<0.0400	<0.0390
2,4-Dichlorophenol	MG/KG		1.08E+00					<0.0390	<0.0400	<0.0390
2,4-Dimethylphenol	MG/KG		8.40E+00					<0.0390	<0.0400	<0.0390
2,4-Dinitrophenol	MG/KG		8.80E-01					<0.8000	<0.8100	<0.7900
2,4-Dinitrotoluene	MG/KG		6.40E-03					<0.0800	<0.0810	<0.0790
2,6-Dichlorophenol	MG/KG									
2,6-Dinitrotoluene	MG/KG		1.34E-03					<0.0390	<0.0400	<0.0390
2-Acetylaminofluorene	MG/KG		1.44E-03							
2-Chloronaphthalene	MG/KG		7.60E+01					<0.0390	<0.0400	<0.0390
2-Chlorophenol	MG/KG		1.48E+00					<0.0390	<0.0400	<0.0390
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01				<0.0390	<0.0400	<0.0390
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01					<0.0390	<0.0400	<0.0390

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SLM-8	SLM-9	SLM-HP-1	SLM-HP-2	SLM-HP-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0713-SLM-8-8-9	P4S-0713-SLM-9-7-8	9442142	9442430	9442716
					Sample Name			BEL-S-SLM-HP-(1)12-14	BEL-S-SLM-HP-(2)12-14	BEL-S-SLM-HP-(3)6-8
					Date Sampled	07/19/2013	07/19/2013	12/12/2002	12/12/2002	12/12/2002
					Start Depth - End Depth			12 - 14	12 - 14	6 - 8
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil
2-Naphthylamine	MG/KG		4.00E-03							
2-Nitroaniline	MG/KG		1.60E+00					<0.0390	<0.0400	<0.0390
2-Nitrophenol	MG/KG							<0.0390	<0.0400	<0.0390
2-Picoline	MG/KG							<0.0800	<0.0810	<0.0790
3,3'-Dichlorobenzidine	MG/KG		1.62E-02					<0.0800	<0.0810	<0.0790
3,3'-Dimethylbenzidine	MG/KG		8.60E-04							
3-Methylcholanthrene	MG/KG		4.40E-02							
3-Nitroaniline	MG/KG							<0.0800	<0.0810	<0.0790
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02					<0.2000	<0.2000	<0.2000
4-Aminobiphenyl	MG/KG		3.00E-04							
4-Bromophenyl Phenyl Ether	MG/KG							<0.0390	<0.0400	<0.0390
4-Chloro-3-Methylphenol	MG/KG		3.40E+01					<0.0800	<0.0810	<0.0790
4-Chloroaniline	MG/KG		3.20E-03					<0.0390	<0.0400	<0.0390
4-Chlorophenyl Phenyl Ether	MG/KG							<0.0390	<0.0400	<0.0390
4-Dimethylaminoazobenzene	MG/KG		4.20E-04							
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01					<0.0800	<0.0810	<0.0790
4-Nitroaniline	MG/KG		3.20E-02					<0.0800	<0.0810	<0.0790
4-Nitrophenol	MG/KG							<0.2000	<0.2000	<0.2000
4-Nitroquinoline-N-Oxide	MG/KG									
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02							
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03							
Acenaphthene	MG/KG		1.10E+02	3.40E-02				<0.0390	<0.0400	<0.0390
Acenaphthylene	MG/KG			3.10E-01				<0.0390	<0.0400	<0.0390
Acetophenone	MG/KG		1.16E+01					<0.0800	<0.0810	<0.0790
Aniline	MG/KG		9.20E-02					<0.0390	<0.0400	<0.0390
Anthracene	MG/KG		1.16E+03	4.40E-01				<0.0390	<0.0400	<0.0390
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01				<0.0390	<0.0400	<0.0390
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00				<0.0390	<0.0400	<0.0390
Benzo(G,H,I)Perylene	MG/KG			6.10E-01				<0.0390	<0.0400	<0.0390
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01				<0.0390	<0.0400	<0.0390
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01				<0.0390	<0.0400	<0.0390
Benzyl Alcohol	MG/KG		9.60E+00							
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03					<0.0390	<0.0400	<0.0390
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01					<0.0390	<0.0400	<0.0390
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05					<0.0390	<0.0400	<0.0390
Bis(2-Chloroisopropyl)Ether	MG/KG									
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01					<0.0800	<0.0810	<0.0790
Butyl Benzyl Phthalate	MG/KG		4.60E+00					<0.0800	<0.0810	<0.0790
Carbazole	MG/KG							<0.0390	<0.0400	<0.0390
Chlorobenzilate	MG/KG		2.00E-02							
Chrysene	MG/KG		2.40E+01	1.50E+00				<0.0390	<0.0400	<0.0390

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SLM-8	SLM-9	SLM-HP-1	SLM-HP-2	SLM-HP-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0713-SLM-8-8-9	P4S-0713-SLM-9-7-8	9442142	9442430	9442716
					Sample Name			BEL-S-SLM-HP-(1)12-14	BEL-S-SLM-HP-(2)12-14	BEL-S-SLM-HP-(3)6-8
					Date Sampled	07/19/2013	07/19/2013	12/12/2002	12/12/2002	12/12/2002
					Start Depth - End Depth			12 - 14	12 - 14	6 - 8
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil
Diallate	MG/KG		1.56E-02							
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01				<0.0390	<0.0400	<0.0390
Dibenzofuran	MG/KG		3.00E+00					<0.0390	<0.0400	<0.0390
Diethyl Phthalate	MG/KG		1.22E+02					<0.0800	<0.0810	<0.0790
Dimethyl Phthalate	MG/KG							<0.0800	<0.0810	<0.0790
Di-N-Butyl Phthalate	MG/KG		4.60E+01					<0.0800	<0.0810	<0.0790
Ethyl Methanesulfonate	MG/KG									
Famphur	MG/KG									
Fluoranthene	MG/KG		1.78E+03	1.90E+00				<0.0390	<0.0400	<0.0390
Fluorene	MG/KG		1.08E+02	8.50E-02				<0.0390	<0.0400	<0.0390
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03					<0.0390	<0.0400	<0.0390
Hexachlorobutadiene	MG/KG		5.20E-03					<0.0800	<0.0810	<0.0790
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02					<0.2000	<0.2000	<0.2000
Hexachloroethane	MG/KG		4.00E-03					<0.0390	<0.0400	<0.0390
Hexachlorophene	MG/KG		1.60E+02							
Hexachloropropylene	MG/KG									
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01				<0.0390	<0.0400	<0.0390
Isodrin	MG/KG									
Isophorone	MG/KG		5.20E-01					<0.0390	<0.0400	<0.0390
Isosafrole	MG/KG									
Kepone	MG/KG		2.40E-03							
Methapyrilene	MG/KG									
Methyl Methanesulfonate	MG/KG		3.20E-03							
Naphthalene	MG/KG		1.08E-02	1.20E+00				<0.0390	<0.0400	<0.0390
N-Dioctyl Phthalate	MG/KG		1.14E+03					<0.0800	<0.0810	<0.0790
Nitrobenzene	MG/KG		1.84E-03					<0.0390	<0.0400	<0.0390
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06							
N-Nitrosodiethylamine	MG/KG		1.20E-06							
N-Nitrosodimethylamine	MG/KG		5.50E-07							
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04							
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04					<0.0390	<0.0400	<0.0390
N-Nitrosodiphenylamine	MG/KG		1.32E+00					<0.0390	<0.0400	<0.0390
N-Nitrosomorpholine	MG/KG		5.60E-05							
N-Nitrosopiperidine	MG/KG		8.80E-05							
N-Nitrosopyrrolidine	MG/KG		2.80E-04							
O,O,O-Triethylphosphorothioate	MG/KG									
O-Toluidine	MG/KG									
para-Phenylenediamine	MG/KG		2.00E+01							
Parathion	MG/KG		8.60E+00							
Pentachlorobenzene	MG/KG		4.80E-01							
Pentachloronitrobenzene	MG/KG		2.80E-02							

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SLM-8	SLM-9	SLM-HP-1	SLM-HP-2	SLM-HP-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0713-SLM-8-8-9	P4S-0713-SLM-9-7-8	9442142	9442430	9442716
					Sample Name			BEL-S-SLM-HP-(1)12-14	BEL-S-SLM-HP-(2)12-14	BEL-S-SLM-HP-(3)6-8
					Date Sampled	07/19/2013	07/19/2013	12/12/2002	12/12/2002	12/12/2002
					Start Depth - End Depth			12 - 14	12 - 14	6 - 8
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03					<0.2000	<0.2000	<0.2000
Phenacetin	MG/KG		1.94E-01							
Phenanthrene	MG/KG			8.70E-01				<0.0390	<0.0400	<0.0390
Phenol	MG/KG		6.60E+01					**0.0590 J**	**0.4400**	<0.0390
Pyrene	MG/KG		2.60E+02	1.50E+00				<0.0390	<0.0400	<0.0390
Pyridine	MG/KG		1.36E-01					<0.0800	<0.0810	<0.0790
Safrole	MG/KG		1.18E-03							
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01							
Thionazin	MG/KG									
Pesticides and PCBs										
4,4'-DDD	MG/KG		1.44E-01							
4,4'-DDE	MG/KG		2.20E-01							
4,4'-DDT	MG/KG		1.54E+00							
Aldrin	MG/KG		3.00E-03							
Alpha-BHC	MG/KG		8.20E-04							
beta-BHC	MG/KG		2.80E-03							
Chlordane	MG/KG									
delta-BHC	MG/KG									
Dieldrin	MG/KG		1.38E-03							
Dimethoate	MG/KG		1.80E-02							
Disulfoton	MG/KG		1.88E-02							
Endosulfan I	MG/KG									
Endosulfan II	MG/KG									
Endosulfan Sulfate	MG/KG									
Endrin	MG/KG	1.62E+00	1.84E+00							
Endrin Aldehyde	MG/KG									
Heptachlor	MG/KG	6.60E-01	2.20E-03							
Heptachlor Epoxide	MG/KG	8.20E-02	5.60E-04							
Lindane	MG/KG	2.40E-02	4.80E-03							
Methoxychlor	MG/KG	4.40E+01	4.00E+01							
Methyl Parathion	MG/KG		1.48E-01							
Phorate	MG/KG		6.80E-02							
Toxaphene	MG/KG	9.20E+00	4.80E-02							
PCB 1016	MG/KG		4.20E-01							
PCB 1221	MG/KG		1.58E-03							
PCB 1232	MG/KG		1.58E-03							
PCB 1242	MG/KG		2.40E-02							
PCB 1248	MG/KG		2.40E-02							
PCB 1254	MG/KG		4.00E-02							
PCB 1260	MG/KG		1.10E-01							
2,4,5-T	MG/KG		1.34E+00							

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0713-SLM-8-8-9	P4S-0713-SLM-9-7-8	9442142	9442430	9442716
					Sample Name			BEL-S-SLM-HP-(1)12-14	BEL-S-SLM-HP-(2)12-14	BEL-S-SLM-HP-(3)6-8
					Date Sampled	07/19/2013	07/19/2013	12/12/2002	12/12/2002	12/12/2002
					Start Depth - End Depth			12 - 14	12 - 14	6 - 8
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01							
Dinoseb	MG/KG	1.24E+00	2.60E+00							
Pronamide	MG/KG		2.40E+01							
Silvex	MG/KG	5.60E-01	1.22E+00							
Inorganics										
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00						
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01				**4.5**	**4.3**	**6.1**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02				**125**	**105**	**135**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00						
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00				<0.11	<0.11	<0.11
Chromium	MG/KG	3.60E+06		4.40E+01				**19.6**	**15.5**	**17.1**
Cobalt	MG/KG		5.40E+00	2.23E+01						
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01						
Iron	MG/KG		7.00E+03					**23800 K**	**20000 K**	**23900 K**
Lead	MG/KG	2.80E+02		1.06E+02				**12.9**	**10.7**	**12.0**
Manganese	MG/KG		5.60E+02					**398**	**459**	**618**
Mercury	MG/KG	2.00E+00		4.14E+00				**0.019 J**	**0.013 J**	**0.020 J**
Nickel	MG/KG		5.20E+02	2.59E+01						
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00				<0.51	<0.52	<0.52
Silver	MG/KG		1.60E+01					<0.12	<0.12	<0.12
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01						
Tin	MG/KG		6.00E+04							
Vanadium	MG/KG		1.72E+03	6.74E+01						
Zinc	MG/KG		7.40E+03	1.33E+02						
Miscellaneous										
Total Organic Carbon	MG/KG							**2600 J**	**2600 J**	**2900 J**
Cyanide	MG/KG	4.00E+01	3.00E-01							
Percent Moisture	%					**18.3**	**13.0**	**16.2**	**16.8**	**15.6**
Percent Moisture	% BY WT.									
Sulfide	MG/KG									

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0713-SLM-8-8-9	P4S-0713-SLM-9-7-8	9442142	9442430	9442716
					Sample Name			BEL-S-SLM-HP-(1)12-14	BEL-S-SLM-HP-(2)12-14	BEL-S-SLM-HP-(3)6-8
					Date Sampled	07/19/2013	07/19/2013	12/12/2002	12/12/2002	12/12/2002
					Start Depth - End Depth			12 - 14	12 - 14	6 - 8
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil

Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Summary of Groundwater Analytical Results - SWMU54
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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SWMU54-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P4S-0513-SWMU-054-2-36-37G
					Sample Name	
					Date Sampled	05/22/2013
					Sample Purpose	FS
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<1
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<0.8
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<1
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<0.8
1,1-Dichloroethane	N	UG/L		2.70E+00		<1
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<0.8
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<1
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<2
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<1
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01		<1
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<1
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<1
1,3-Dichlorobenzene	N	UG/L				<1
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01		<1
2-Hexanone	N	UG/L		3.80E+00		<3
Acetone	N	UG/L		1.40E+03		**9 J**
Acetonitrile	N	UG/L		1.30E+01		<25
Acrolein	N	UG/L		4.20E-03		<40
Acrylonitrile	N	UG/L		5.20E-02		<4
Allyl Chloride	N	UG/L		2.10E-01		<1
Benzene	N	UG/L	5.00E+00	4.50E-01		<0.5
Bromodichloromethane	N	UG/L		1.30E-01		<1
Bromoform	N	UG/L		3.30E+00		<1
Carbon Disulfide	N	UG/L		8.10E+01		<1
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<1
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		<0.8
Chlorodibromomethane	N	UG/L		1.70E-01		<1
Chloroform	N	UG/L		2.20E-01		<0.8
Chloroprene	N	UG/L		1.90E-02		<1
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<0.8
cis-1,3-Dichloropropene	N	UG/L				<1
Dichlorodifluoromethane	N	UG/L		2.00E+01		<2
Ethane	N	UG/L				**2.5 J**
Ethene	N	UG/L				<1.0
Ethyl Chloride	N	UG/L		2.10E+03		<1
Ethyl Methacrylate	N	UG/L		4.60E+01		<1
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<0.8
Formaldehyde	N	UG/L		4.30E-01		**100**
Iodomethane	N	UG/L				<1
Isobutyl Alcohol	N	UG/L		5.90E+02		<100

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SWMU54-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P4S-0513-SWMU-054-2-36-37G
					Sample Name	
					Date Sampled	05/22/2013
					Sample Purpose	FS
Methacrylonitrile	N	UG/L		1.90E-01		<10
Methane	N	UG/L				**6400**
Methyl Bromide	N	UG/L		7.50E-01		<1
Methyl Chloride	N	UG/L		1.90E+01		<1
Methyl Ethyl Ketone	N	UG/L		5.60E+02		**4 J**
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<3
Methyl Methacrylate	N	UG/L		1.40E+02		<1
Methylene Bromide	N	UG/L		8.00E-01		<1
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2
Pentachloroethane	N	UG/L		6.40E-01		<1
Propane	N	UG/L				<1.0
Propionitrile	N	UG/L				<30
Styrene	N	UG/L	1.00E+02	1.20E+02		<1
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<0.8
Toluene	N	UG/L	1.00E+03	1.10E+02		**2 J**
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<0.8
trans-1,3-Dichloropropene	N	UG/L				<1
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<15
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<1
Trichlorofluoromethane	N	UG/L		1.10E+02		<2
Vinyl Acetate	N	UG/L		4.10E+01		<2
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<1
Xylenes	N	UG/L	1.00E+04	1.90E+01		<0.8
Semi-Volatile Organic Compounds						
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01		<0.6
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01		<0.6
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01		<6
1,3-Dinitrobenzene	N	UG/L		2.00E-01		<2
1,4-Dioxane	N	UG/L		4.60E-01		<1
1,4-Naphthoquinone	N	UG/L				<12
1-Naphthylamine	N	UG/L				<6
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01		<0.6
2,4,5-Trichlorophenol	N	UG/L		1.20E+02		<0.6
2,4,6-Trichlorophenol	N	UG/L		1.20E+00		<0.6
2,4-Dichlorophenol	N	UG/L		4.60E+00		<0.6
2,4-Dimethylphenol	N	UG/L		3.60E+01		<0.6
2,4-Dinitrophenol	N	UG/L		3.90E+00		<12
2,4-Dinitrotoluene	N	UG/L		2.40E-01		<1
2,6-Dichlorophenol	N	UG/L				<0.6
2,6-Dinitrotoluene	N	UG/L		4.80E-02		<0.6
2-Acetylaminofluorene	N	UG/L		1.60E-02		<2

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SWMU54-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P4S-0513-SWMU-054-2-36-37G
					Sample Name	
					Date Sampled	05/22/2013
					Sample Purpose	FS
2-Chloronaphthalene	N	UG/L		7.50E+01		<0.5
2-Chlorophenol	N	UG/L		9.10E+00		<0.6
2-Methylnaphthalene	N	UG/L		3.60E+00		<0.1
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01		<0.6
2-Naphthylamine	N	UG/L		3.90E-02		<6
2-Nitroaniline	N	UG/L		1.90E+01		<0.6
2-Nitrophenol	N	UG/L				<0.6
2-Picoline	N	UG/L				<2
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01		<2
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03		<29
3-Methylcholanthrene	N	UG/L		1.10E-03		<0.6
3-Nitroaniline	N	UG/L				<0.6
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01		<6
4-Aminobiphenyl	N	UG/L		3.00E-03		<0.6
4-Bromophenyl Phenyl Ether	N	UG/L				<0.6
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02		<0.6
4-Chloroaniline	N	UG/L		3.60E-01		<0.6
4-Chlorophenyl Phenyl Ether	N	UG/L				<0.6
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03		<0.6
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02		<0.6
4-Nitroaniline	N	UG/L		3.80E+00		<0.6
4-Nitrophenol	N	UG/L				<12
4-Nitroquinoline-N-Oxide	N	UG/L				<23
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00		<0.6
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04		<0.6
Acenaphthene	N	UG/L		5.30E+01		<0.1
Acenaphthylene	N	UG/L		5.30E+01		<0.1
Acetophenone	N	UG/L		1.90E+02		<0.6
Aniline	N	UG/L		1.30E+01		<0.6
Anthracene	N	UG/L		1.80E+02		<0.1
Benzo(A)Anthracene	N	UG/L		1.20E-02		<0.1
Benzo(B)Fluoranthene	N	UG/L		3.40E-02		**0.1 J**
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01		<0.1
Benzo(K)Fluoranthene	N	UG/L		3.40E-01		<0.1
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03		<0.1
Benzyl Alcohol	N	UG/L		2.00E+02		**7 J**
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00		<0.6
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02		<0.6
Bis(2-Chloroisopropyl)Ether	N	UG/L				<0.6
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00		<2
Butyl Benzyl Phthalate	N	UG/L		1.60E+01		<2

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SWMU54-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P4S-0513-SWMU-054-2-36-37G
					Sample Name	
					Date Sampled	05/22/2013
					Sample Purpose	FS
Chlorobenzilate	N	UG/L		3.10E-01		<3
Chrysene	N	UG/L		3.40E+00		<0.1
Diallate	N	UG/L		5.20E-01		<1
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03		<0.1
Dibenzofuran	N	UG/L		7.90E-01		<0.6
Diethyl Phthalate	N	UG/L		1.50E+03		<2
Dimethyl Phthalate	N	UG/L				<2
Di-N-Butyl Phthalate	N	UG/L		9.00E+01		<2
Ethyl Methanesulfonate	N	UG/L				<0.6
Fluoranthene	N	UG/L		8.00E+01		<0.1
Fluorene	N	UG/L		2.90E+01		<0.1
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03		<0.1
Hexachlorobutadiene	N	UG/L		1.40E-01		<0.6
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02		<6
Hexachloroethane	N	UG/L		3.30E-01		<1
Hexachloropropylene	N	UG/L				<2
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02		<0.1
Isodrin	N	UG/L				<0.6
Isophorone	N	UG/L		7.80E+01		<0.6
Isosafrole	N	UG/L				<2
Methapyrilene	N	UG/L				<17
Methyl Methanesulfonate	N	UG/L		7.90E-01		<1
Naphthalene	N	UG/L		1.70E-01		<0.1
N-Dioctyl Phthalate	N	UG/L		2.00E+01		<2
Nitrobenzene	N	UG/L		1.40E-01		<0.6
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04		<2
N-Nitrosodiethylamine	N	UG/L		1.70E-04		<0.6
N-Nitrosodimethylamine	N	UG/L		1.10E-04		<2
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03		<2
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02		<0.6
N-Nitrosodiphenylamine	N	UG/L		1.20E+01		<0.6
N-Nitrosomorpholine	N	UG/L		1.20E-02		<2
N-Nitrosopiperidine	N	UG/L		8.20E-03		<0.6
N-Nitrosopyrrolidine	N	UG/L		3.70E-02		<0.6
O,O,O-Triethylphosphorothioate	N	UG/L				<2
O-Toluidine	N	UG/L				<0.6
para-Phenylenediamine	N	UG/L		3.80E+02		<86
Pentachlorobenzene	N	UG/L		3.20E-01		<0.6
Pentachloronitrobenzene	N	UG/L		1.20E-01		<2
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02		<1
Phenacetin	N	UG/L		3.40E+01		<0.6

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SWMU54-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P4S-0513-SWMU-054-2-36-37G
					Sample Name	
					Date Sampled	05/22/2013
					Sample Purpose	FS
Phenanthrene	N	UG/L		1.80E+02		<0.1
Phenol	N	UG/L		5.80E+02		<0.6
Pyrene	N	UG/L		1.20E+01		<0.1
Pyridine	N	UG/L		2.00E+00		<2
Safrole	N	UG/L		9.50E-02		<2
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01		<1
Thionazin	N	UG/L				<2
Dimethoate	N	UG/L		4.00E-01		<3
Pronamide	N	UG/L		1.20E+02		<0.6
Miscellaneous						
Total Organic Carbon	N	UG/L				**4400**
Ammonia	N	UG/L				**3100**

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
J-Analyte present; reported value may not be accurate or precise

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1	SWMU54-1	SWMU54-1	SWMU54-1A	SWMU54-1A-1
					Field Sample ID	28521099	28521100	28521101	P4S-0513-SWMU-054-1A-21-22	SS1113-SWMU54-1A-1-0.5
					Sample Name	BEL-S-SWMU54-1(0.5-1)	BEL-S-SWMU54-1(21-22)	BEL-S-SWMU54-1(31-32)		
					Date Sampled	11/07/2012	11/07/2012	11/07/2012	05/22/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	31 - 32	21 - 22	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Fill
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00			<0.0010	<0.0010	<0.0010	<0.0010	
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03			<0.0010	<0.0010	<0.0010	<0.0010	
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00			<0.0010	<0.0010	<0.0010	<0.0010	
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01			<0.0010	<0.0010	<0.0010	<0.0010	
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01			<0.0010	<0.0010	<0.0010	<0.0010	
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02			<0.0010	<0.0010	<0.0010	<0.0010	
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01			<0.0010	<0.0010	<0.0010	<0.0010	
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02			<0.0030	<0.0020	<0.0030	<0.0020	
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01			<0.0010	<0.0010	<0.0010	<0.0010	
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02			<0.0010	<0.0010	<0.0010	<0.0010	
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00			<0.0010	<0.0010	<0.0010	<0.0010	
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00			<0.0010	<0.0010	<0.0010	<0.0010	
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01			<0.0010	<0.0010	<0.0010	<0.0010	
2-Hexanone	MG/KG	2.00E+01	1.30E+02			<0.0040	<0.0030	<0.0040	<0.0030	
Acetone	MG/KG	6.10E+03	6.70E+04			**0.0160 J**	<0.0070	**0.0170 J**	<0.0070	
Acetonitrile	MG/KG	8.10E+01	3.40E+02			<0.0310	<0.0260	<0.0310	<0.0250	
Acrolein	MG/KG	1.40E-02	6.00E-02			<0.0250	<0.0200	<0.0250 UL	<0.0200	
Acrylonitrile	MG/KG	2.50E-01	1.10E+00			<0.0050	<0.0040	<0.0050	<0.0040	
Allyl Chloride	MG/KG	1.70E-01	6.90E-01			<0.0010	<0.0010	<0.0010	<0.0010	
Benzene	MG/KG	1.20E+00	5.10E+00			<0.00060	<0.00050	<0.00060	<0.00050	
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00			<0.0010	<0.0010	<0.0010	<0.0010	
Bromoform	MG/KG	1.90E+01	8.60E+01			<0.0010	<0.0010	<0.0010	<0.0010	
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02			**0.0030 J**	<0.0010	<0.0010	<0.0010	
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00			<0.0010	<0.0010	<0.0010	<0.0010	
Chlorobenzene	MG/KG	2.80E+01	1.30E+02			<0.0010	<0.0010	<0.0010	<0.0010	
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00			<0.0010	<0.0010	<0.0010	<0.0010	
Chloroform	MG/KG	3.20E-01	1.40E+00			**0.0010 J**	<0.0010	<0.0010	<0.0010	
Chloroprene	MG/KG	1.00E-02	4.40E-02			<0.0010	<0.0010	<0.0010	<0.0010	
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02			<0.0010	<0.0010	<0.0010	<0.0010	
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01			<0.0030 UL	<0.0020 UL	<0.0030 UL	<0.0020	
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03			<0.0030	<0.0020	<0.0030	<0.0020	
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02			<0.0010	<0.0010	<0.0010	<0.0010	
Ethylbenzene	MG/KG	5.80E+00	2.50E+01			<0.0010	<0.0010	<0.0010	<0.0010	
Formaldehyde	MG/KG	1.70E+01	7.30E+01						<1.5000	
Iodomethane	MG/KG					<0.0040	<0.0030	<0.0040	<0.0030	
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04			<0.1300	<0.1000	<0.1300	<0.1000	

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1	SWMU54-1	SWMU54-1	SWMU54-1A	SWMU54-1A-1
					Field Sample ID	28521099	28521100	28521101	P4S-0513-SWMU-054-1A-21-22	SS1113-SWMU54-1A-1-0.5
					Sample Name	BEL-S-SWMU54-1(0.5-1)	BEL-S-SWMU54-1(21-22)	BEL-S-SWMU54-1(31-32)		
					Date Sampled	11/07/2012	11/07/2012	11/07/2012	05/22/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	31 - 32	21 - 22	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Fill
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01			<0.0060	<0.0050	<0.0060	<0.0050	
Methyl Bromide	MG/KG	6.80E-01	3.00E+00			<0.0030	<0.0020	<0.0030	<0.0020	
Methyl Chloride	MG/KG	1.10E+01	4.60E+01			<0.0030	<0.0020	<0.0030	<0.0020	
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04			<0.0050	<0.0040	<0.0050	<0.0040	
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03			<0.0040	<0.0030	<0.0040	<0.0030	
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03			<0.0010	<0.0010	<0.0010	<0.0010	
Methylene Bromide	MG/KG	2.30E+00	9.80E+00			<0.0010	<0.0010	<0.0010	<0.0010	
Methylene Chloride	MG/KG	3.50E+01	3.20E+02			<0.0030	<0.0020	<0.0030	<0.0020	
Pentachloroethane	MG/KG	7.70E+00	3.60E+01			<0.0010	<0.0010	<0.0010	<0.0010	
Propionitrile	MG/KG					<0.0380	<0.0310	<0.0380	<0.0300	
Styrene	MG/KG	6.00E+02	3.50E+03			<0.0010	<0.0010	<0.0010 UL	<0.0010	
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01			<0.0010	<0.0010	<0.0010	<0.0010	
Toluene	MG/KG	4.90E+02	4.70E+03			<0.0010	<0.0010	<0.0010	<0.0010	
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03			<0.0010	<0.0010	<0.0010	<0.0010	
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02			<0.0130	<0.0100	<0.0130	<0.0100	
Trichloroethene	MG/KG	4.10E-01	1.90E+00			<0.0010	<0.0010	<0.0010	<0.0010	
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02			<0.0030	<0.0020	<0.0030	<0.0020	
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02			<0.0030 UL	<0.0020 UL	<0.0030 UL	<0.0020	
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00			<0.0010	<0.0010	<0.0010	<0.0010	
Xylenes	MG/KG	6.50E+01	2.80E+02			<0.0010	<0.0010	<0.0010	<0.0010	
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01			<0.0180	<0.0210	<0.0240	<0.0210	
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01			<0.0180	<0.0210	<0.0240	<0.0210	
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03			<0.1800	<0.2100	<0.2400	<0.2100	
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00			<0.0730	<0.0830	<0.0940	<0.0830	
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01			<0.1100	<0.1300	<0.1400	<0.1300	
1,4-Naphthoquinone	MG/KG					<0.9100	<1.0	<1.2	<1.0	
1-Methylnaphthalene	MG/KG	1.80E+01	7.30E+01	3.50E-01						**0.0850 J**
1-Naphthylamine	MG/KG					<0.1800 UL	<0.2100 UL	<0.2400 UL	<0.2100	
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03			<0.0730	<0.0830	<0.0940	<0.0830	
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03			<0.0180	<0.0210	<0.0240	<0.0210	
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01			<0.0180	<0.0210	<0.0240	<0.0210	
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02			<0.0180	<0.0210	<0.0240	<0.0210	
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03			<0.0180	<0.0210	<0.0240	<0.0210	
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02			<0.3300	<0.3800	<0.4200	<0.3800	
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00			<0.0730	<0.0830	<0.0940	<0.0830	
2,6-Dichlorophenol	MG/KG					<0.0180	<0.0210	<0.0240	<0.0210	
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00			<0.0180	<0.0210	<0.0240	<0.0210	

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1	SWMU54-1	SWMU54-1	SWMU54-1A	SWMU54-1A-1
					Field Sample ID	28521099	28521100	28521101	P4S-0513-SWMU-054-1A-21-22	SS1113-SWMU54-1A-1-0.5
					Sample Name	BEL-S-SWMU54-1(0.5-1)	BEL-S-SWMU54-1(21-22)	BEL-S-SWMU54-1(31-32)		
					Date Sampled	11/07/2012	11/07/2012	11/07/2012	05/22/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	31 - 32	21 - 22	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Fill
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01			<0.0730	<0.0830	<0.0940	<0.0830	
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03			<0.0080	<0.0090	<0.0100	<0.0090	
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02			<0.0180	<0.0210	<0.0240	<0.0210	
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02	4.70E-01		**0.24**	<0.0040	**0.0090 J**	<0.0040	**0.096**
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03			<0.0180	<0.0210	<0.0240	<0.0210	
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00			<0.1800 UL	<0.2100 UL	<0.2400 UL	<0.2100	
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02			<0.0180	<0.0210	<0.0240	<0.0210	
2-Nitrophenol	MG/KG					<0.0180	<0.0210	<0.0240	<0.0210	
2-Picoline	MG/KG					<0.1100	<0.1300	<0.1400	<0.1300	
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00			<0.1100	<0.1300	<0.1400	<0.1300	
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01			<0.5500	<0.6200	<0.7100	<0.6200	
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01			<0.0180	<0.0210	<0.0240	<0.0210	
3-Nitroaniline	MG/KG					<0.0730	<0.0830	<0.0940	<0.0830	
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00			<0.1800	<0.2100	<0.2400	<0.2100	
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01			<0.1800	<0.2100	<0.2400	<0.2100	
4-Bromophenyl Phenyl Ether	MG/KG					<0.0180	<0.0210	<0.0240	<0.0210	
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03			<0.0180	<0.0210	<0.0240	<0.0210	
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01			<0.0180 UL	<0.0210 UL	<0.0240 UL	<0.0210	
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0180	<0.0210	<0.0240	<0.0210	
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01			<0.0730	<0.0830	<0.0940	<0.0830	
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03			<0.0180	<0.0210	<0.0240	<0.0210	
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02			<0.0730	<0.0830	<0.0940	<0.0830	
4-Nitrophenol	MG/KG					<0.1800	<0.2100	<0.2400	<0.2100	
4-Nitroquinoline-N-Oxide	MG/KG					<0.3600	<0.4200	<0.4700	<0.4200	
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02			<0.1800	<0.2100	<0.2400	<0.2100	
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03			<0.0180	<0.0210	<0.0240	<0.0210	
Acenaphthene	MG/KG	3.60E+02	4.50E+03	3.40E-02		**0.0150 J**	<0.0040	<0.0050	<0.0040	<0.0180
Acenaphthylene	MG/KG	3.60E+02	4.50E+03	3.10E-01		**0.58**	**0.0080 J**	<0.0050	<0.0040	**0.23**
Acetophenone	MG/KG	7.80E+02	1.20E+04			**0.082**	<0.0210	<0.0240	<0.0210	
Aniline	MG/KG	4.40E+01	4.00E+02			<0.1800	<0.2100	<0.2400	<0.2100	
Anthracene	MG/KG	1.80E+03	2.30E+04	4.40E-01		**0.37**	**0.0080 J**	**0.0070 J**	<0.0040	**0.16**
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00	8.90E-01		**1.8**	**0.0060 J**	**0.0090 J**	<0.0040	**0.63**
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00	1.60E+00		**2.4**	**0.0090 J**	**0.0150 J**	**0.0090 J**	**1**
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03	6.10E-01		**1.3**	<0.0040	**0.0100 J**	<0.0040	**0.54**
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01	6.40E-01		**0.77**	<0.0040	<0.0050	**0.0050 J**	**0.38**
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01	6.90E-01		**1.7**	<0.0040	<0.0050	<0.0040	**0.74**
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03			<0.1800	<0.2100	<0.2400	<0.2100	
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02			<0.0180	<0.0210	<0.0240	<0.0210	
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00			<0.0180	<0.0210	<0.0240	<0.0210	

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1	SWMU54-1	SWMU54-1	SWMU54-1A	SWMU54-1A-1
					Field Sample ID	28521099	28521100	28521101	P4S-0513-SWMU-054-1A-21-22	SS1113-SWMU54-1A-1-0.5
					Sample Name	BEL-S-SWMU54-1(0.5-1)	BEL-S-SWMU54-1(21-22)	BEL-S-SWMU54-1(31-32)		
					Date Sampled	11/07/2012	11/07/2012	11/07/2012	05/22/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	31 - 32	21 - 22	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Fill
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0180	<0.0210	<0.0240	<0.0210	
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02			<0.0730	<0.0830	<0.0940	<0.0830	
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03			<0.0730	<0.0830	<0.0940	<0.0830	
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01			<0.0360	<0.0420	<0.0470	<0.0420	
Chrysene	MG/KG	1.60E+01	2.90E+02	1.50E+00		**1.5**	**0.0060 J**	**0.0140 J**	**0.0090 J**	**0.62**
Diallate	MG/KG	8.90E+00	3.80E+01			<0.0360	<0.0420	<0.0470	<0.0420	
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01	2.00E-01		**0.48**	<0.0040	<0.0050	<0.0040	**0.16**
Dibenzofuran	MG/KG	7.30E+00	1.00E+02			**0.087**	<0.0210	<0.0240	<0.0210	
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04			<0.0730	<0.0830	<0.0940	<0.0830	
Dimethyl Phthalate	MG/KG					<0.0730	<0.0830	<0.0940	<0.0830	
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03			<0.0730	<0.0830	<0.0940	<0.0830	
Ethyl Methanesulfonate	MG/KG					<0.0730	<0.0830	<0.0940	<0.0830	
Fluoranthene	MG/KG	2.40E+02	3.00E+03	1.90E+00		**2**	**0.0110 J**	**0.0150 J**	<0.0040	**0.57**
Fluorene	MG/KG	2.40E+02	3.00E+03	8.50E-02		**0.08**	<0.0040	**0.0050 J**	<0.0040	**0.0310 J**
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01			<0.0040	<0.0040	<0.0050	<0.0040	
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00			<0.0180	<0.0210	<0.0240	<0.0210	
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01			<0.1800	<0.2100	<0.2400	<0.2100	
Hexachloroethane	MG/KG	1.80E+00	8.00E+00			<0.0360	<0.0420	<0.0470	<0.0420	
Hexachloropropylene	MG/KG					<0.1100	<0.1300	<0.1400	<0.1300	
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00	5.70E-01		**1.1**	<0.0040	**0.0050 J**	<0.0040	**0.48**
Isodrin	MG/KG					<0.0180	<0.0210	<0.0240	<0.0210	
Isophorone	MG/KG	5.70E+02	2.40E+03			<0.0180	<0.0210	<0.0240	<0.0210	
Isosafrole	MG/KG					<0.0730	<0.0830	<0.0940	<0.0830	
Methapyrilene	MG/KG					<1.8	<2.1	<2.4	<2.1	
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01			<0.0360	<0.0420	<0.0470	<0.0420	
Naphthalene	MG/KG	3.80E+00	1.70E+01	1.20E+00		**1.2**	**0.0050 J**	**0.0100 J**	<0.0040	**0.26**
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02			<0.0730	<0.0830	<0.0940	<0.0830	
Nitrobenzene	MG/KG	5.10E+00	2.20E+01			<0.0180	<0.0210	<0.0240	<0.0210	
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02			<0.0730	<0.0830	<0.0940	<0.0830	
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02			<0.0180	<0.0210	<0.0240	<0.0210	
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02			<0.0730	<0.0830	<0.0940	<0.0830	
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01			<0.0730	<0.0830	<0.0940	<0.0830	
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01			<0.0180	<0.0210	<0.0240	<0.0210	
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02			<0.0180	<0.0210	<0.0240	<0.0210	
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01			<0.0730	<0.0830	<0.0940	<0.0830	
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01			<0.0180	<0.0210	<0.0240	<0.0210	
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00			<0.0180	<0.0210	<0.0240	<0.0210	
O,O,O-Triethylphosphorothioate	MG/KG					<0.0730	<0.0830	<0.0940	<0.0830	
O-Toluidine	MG/KG					<0.2200 UL	<0.2500 UL	<0.2800 UL	<0.2500	

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1	SWMU54-1	SWMU54-1	SWMU54-1A	SWMU54-1A-1
					Field Sample ID	28521099	28521100	28521101	P4S-0513-SWMU-054-1A-21-22	SS1113-SWMU54-1A-1-0.5
					Sample Name	BEL-S-SWMU54-1(0.5-1)	BEL-S-SWMU54-1(21-22)	BEL-S-SWMU54-1(31-32)		
					Date Sampled	11/07/2012	11/07/2012	11/07/2012	05/22/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	31 - 32	21 - 22	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Fill
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04			<13.0	<15.0	<16.0	<15.0	
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01			<0.0180	<0.0210	<0.0240	<0.0210	
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01			<0.0730	<0.0830	<0.0940	<0.0830	
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00			<0.0360	<0.0420	<0.0470	<0.0420	
Phenacetin	MG/KG	2.50E+02	1.00E+03			<0.0730	<0.0830	<0.0940	<0.0830	
Phenanthrene	MG/KG	1.80E+03	2.30E+04	8.70E-01		**0.56**	**0.0110 J**	**0.0220 J**	**0.0070 J**	**0.19**
Phenol	MG/KG	1.90E+03	2.50E+04			<0.0180	<0.0210	<0.0240	<0.0210	
Pyrene	MG/KG	1.80E+02	2.30E+03	1.50E+00		**1.9**	**0.0080 J**	**0.0140 J**	<0.0040	**0.56**
Pyridine	MG/KG	7.80E+00	1.20E+02			<0.0730	<0.0830	<0.0940	<0.0830	
Safrole	MG/KG	5.50E-01	1.00E+01			<0.0730	<0.0830	<0.0940	<0.0830	
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01			<0.0730	<0.0830	<0.0940	<0.0830	
Thionazin	MG/KG					<0.0730	<0.0830	<0.0940	<0.0830	
Dimethoate	MG/KG	1.30E+00	1.60E+01			<0.1800	<0.2100	<0.2400	<0.2100	
Pronamide	MG/KG	4.70E+02	6.20E+03			<0.0360	<0.0420	<0.0470	<0.0420	
Inorganics										
Antimony	MG/KG	3.10E+00	4.70E+01	1.43E+00		**4.67**	**0.121 J**	**0.150 J**		
Arsenic	MG/KG	6.80E-01	3.00E+00	2.20E+01		**13.1**	**7.03**	**5.36**		
Barium	MG/KG	1.50E+03	2.20E+04	2.62E+02		**171**	**157**	**146**		
Beryllium	MG/KG	1.60E+01	2.30E+02	2.23E+00		**0.789**	**1.12**	**1.17**		
Cadmium	MG/KG	7.10E+00	9.80E+01	1.37E+00		**1.3**	**0.380 J**	**0.407 J**		
Chromium	MG/KG	1.20E+04	1.80E+05	4.40E+01		**61**	**20.7**	**19.9**		
Cobalt	MG/KG	2.30E+00	3.50E+01	2.23E+01		**10.8**	**13**	**12.9**		
Copper	MG/KG	3.10E+02	4.70E+03	8.86E+01		**105**	**17.3**	**17.5**		
Lead	MG/KG	4.00E+02	8.00E+02	1.06E+02		**272**	**18.7**	**21.7**		
Mercury	MG/KG	2.30E+00	3.50E+01	4.14E+00		**2.17**	**0.0331 J**	**0.0288 J**		
Nickel	MG/KG	1.50E+02	2.20E+03	2.59E+01		**29.2**	**24.3**	**23.7**		
Selenium	MG/KG	3.90E+01	5.80E+02	2.19E+00		**0.8**	**0.102 J**	**0.422 J**		
Silver	MG/KG	3.90E+01	5.80E+02			**0.636 B**	**0.199 B**	<0.192		
Thallium	MG/KG	7.80E-02	1.20E+00	4.09E-01		**0.167**	**0.236**	**0.284**		
Tin	MG/KG	4.70E+03	7.00E+04			**4.19 B**	**2.77 B**	**4.01 B**		
Vanadium	MG/KG	3.90E+01	5.80E+02	6.74E+01		**15**	**27.1**	**27.6**		
Zinc	MG/KG	2.30E+03	3.50E+04	1.33E+02		**162**	**77.6**	**79.5**		
Miscellaneous										
Total Organic Carbon	MG/KG								**4110**	
Ammonia	MG/KG					<55.8	**32.1 J**		**149**	
Percent Moisture	%					**8.6**	**20**	**29.2**	**20.0 J**	**6.6 J**

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1	SWMU54-1	SWMU54-1	SWMU54-1A	SWMU54-1A-1
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	28521099	28521100	28521101	P4S-0513-SWMU-054-1A-21-22	SS1113-SWMU54-1A-1-0.5
					Sample Name	BEL-S-SWMU54-1(0.5-1)	BEL-S-SWMU54-1(21-22)	BEL-S-SWMU54-1(31-32)		
					Date Sampled	11/07/2012	11/07/2012	11/07/2012	05/22/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	31 - 32	21 - 22	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Fill

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

(2) Site-specific historical fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the industrial SL and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1A-2	SWMU54-1A-3	SWMU54-1A-3	SWMU54-2	SWMU54-2
					Field Sample ID	SS1113-SWMU54-1A-2-0.5	SS1113-SWMU54-1A-3-0.5	SS1113-SWMU54-1A-3-0.5-D	28600375	28600376
					Sample Name				BEL-S-SWMU54-2(3-4)	BEL-S-SWMU54-2(20-21)
					Date Sampled	11/18/2013	11/18/2013	11/18/2013	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	0.5 - 1	0.5 - 1	3 - 4	20 - 21
					Sample Purpose	FS	FS	DUP	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Fill	Fill	Fill	Native Soil
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00						<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03						<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00						<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01						<0.0010	<0.0010
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01						<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02						<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01						<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02						<0.0020 UL	<0.0020 UL
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01						<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02						<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00						<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00						<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG								<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01						<0.0010	<0.0010
2-Hexanone	MG/KG	2.00E+01	1.30E+02						<0.0030	<0.0030
Acetone	MG/KG	6.10E+03	6.70E+04						**0.0340**	**0.0090 J**
Acetonitrile	MG/KG	8.10E+01	3.40E+02						<0.0250	<0.0260
Acrolein	MG/KG	1.40E-02	6.00E-02						<0.0200	<0.0210
Acrylonitrile	MG/KG	2.50E-01	1.10E+00						<0.0040	<0.0040
Allyl Chloride	MG/KG	1.70E-01	6.90E-01						<0.0010	<0.0010
Benzene	MG/KG	1.20E+00	5.10E+00						**0.0010 J**	<0.00050
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00						<0.0010	<0.0010
Bromoform	MG/KG	1.90E+01	8.60E+01						<0.0010	<0.0010
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02						**0.0030 J**	<0.0010
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00						<0.0010	<0.0010
Chlorobenzene	MG/KG	2.80E+01	1.30E+02						<0.0010	<0.0010
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00						<0.0010	<0.0010
Chloroform	MG/KG	3.20E-01	1.40E+00						<0.0010	<0.0010
Chloroprene	MG/KG	1.00E-02	4.40E-02						<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02						<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG								<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01						<0.0020	<0.0020
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03						<0.0020	<0.0020
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02						<0.0010	<0.0010
Ethylbenzene	MG/KG	5.80E+00	2.50E+01						<0.0010	<0.0010
Formaldehyde	MG/KG	1.70E+01	7.30E+01							
Iodomethane	MG/KG								<0.0030	<0.0030
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04						<0.1000	<0.1000

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1A-2	SWMU54-1A-3	SWMU54-1A-3	SWMU54-2	SWMU54-2
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-SWMU54-1A-2-0.5	SS1113-SWMU54-1A-3-0.5	SS1113-SWMU54-1A-3-0.5-D	28600375	28600376
					Sample Name				BEL-S-SWMU54-2(3-4)	BEL-S-SWMU54-2(20-21)
					Date Sampled	11/18/2013	11/18/2013	11/18/2013	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	0.5 - 1	0.5 - 1	3 - 4	20 - 21
					Sample Purpose	FS	FS	DUP	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Native Soil
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01						<0.0050	<0.0050
Methyl Bromide	MG/KG	6.80E-01	3.00E+00						<0.0020	<0.0020
Methyl Chloride	MG/KG	1.10E+01	4.60E+01						<0.0020	<0.0020
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04						<0.0040	<0.0040
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03						<0.0030	<0.0030
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03						<0.0010	<0.0010
Methylene Bromide	MG/KG	2.30E+00	9.80E+00						<0.0010	<0.0010
Methylene Chloride	MG/KG	3.50E+01	3.20E+02						<0.0020	<0.0020
Pentachloroethane	MG/KG	7.70E+00	3.60E+01						<0.0010	<0.0010
Propionitrile	MG/KG								<0.0310	<0.0310
Styrene	MG/KG	6.00E+02	3.50E+03						**0.0030 J**	<0.0010
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01						<0.0010	<0.0010
Toluene	MG/KG	4.90E+02	4.70E+03						**0.0020 J**	<0.0010
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03						<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG								<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02						<0.0100	<0.0100
Trichloroethene	MG/KG	4.10E-01	1.90E+00						<0.0010	<0.0010
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02						<0.0020	<0.0020
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02						<0.0020	<0.0020
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00						<0.0010	<0.0010
Xylenes	MG/KG	6.50E+01	2.80E+02						**0.0190**	<0.0010
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01						<0.2	<0.0210
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01						<0.2	<0.0210
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03						<2.0	<0.2100
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00						<0.8200	<0.0830
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01						<1.2	<0.1200
1,4-Naphthoquinone	MG/KG								<10.0	<1.0
1-Methylnaphthalene	MG/KG	1.80E+01	7.30E+01	3.50E-01		**0.08**	**0.22**	**0.13**		
1-Naphthylamine	MG/KG								<2.0	<0.2100
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03						<0.8200	<0.0830
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03						<0.2	<0.0210
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01						<0.2	<0.0210
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02						<0.2	<0.0210
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03						<0.2	<0.0210
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02						<3.7	<0.3700
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00						<0.8200	<0.0830
2,6-Dichlorophenol	MG/KG								<0.2	<0.0210
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00						<0.2	<0.0210

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					Field Sample ID	SS1113-SWMU54-1A-2-0.5	SS1113-SWMU54-1A-3-0.5	SS1113-SWMU54-1A-3-0.5-D	28600375	28600376
					Sample Name				BEL-S-SWMU54-2(3-4)	BEL-S-SWMU54-2(20-21)
					Date Sampled	11/18/2013	11/18/2013	11/18/2013	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	0.5 - 1	0.5 - 1	3 - 4	20 - 21
					Sample Purpose	FS	FS	DUP	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Fill	Fill	Fill	Native Soil
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01						<0.8200	<0.0830
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03						<0.0860	<0.0090
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02						<0.2	<0.0210
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02	4.70E-01		**0.098**	**0.3**	**0.16**	**15**	<0.0040
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03						<0.2	<0.0210
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00						<2.0 UL	<0.2100 UL
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02						<0.2	<0.0210
2-Nitrophenol	MG/KG								<0.2	<0.0210
2-Picoline	MG/KG								<1.2	<0.1200
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00						<1.2	<0.1200
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01						<6.1	<0.6200
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01						<0.2	<0.0210
3-Nitroaniline	MG/KG								<0.8200	<0.0830
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00						<2.0	<0.2100
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01						<2.0	<0.2100
4-Bromophenyl Phenyl Ether	MG/KG								<0.2	<0.0210
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03						<0.2	<0.0210
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01						<0.2	<0.0210
4-Chlorophenyl Phenyl Ether	MG/KG								<0.2	<0.0210
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01						<0.8200	<0.0830
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03						<0.2	<0.0210
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02						<0.8200	<0.0830
4-Nitrophenol	MG/KG								<2.0	<0.2100
4-Nitroquinoline-N-Oxide	MG/KG								<4.1	<0.4100
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02						<2.0	<0.2100
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03						<0.2	<0.0210
Acenaphthene	MG/KG	3.60E+02	4.50E+03	3.40E-02		<0.0040	**0.0420 J**	<0.0040	**30**	<0.0040
Acenaphthylene	MG/KG	3.60E+02	4.50E+03	3.10E-01		**0.19**	**0.6900 J**	**0.66**	**3.5**	**0.0080 J**
Acetophenone	MG/KG	7.80E+02	1.20E+04						**0.2400 J**	<0.0210
Aniline	MG/KG	4.40E+01	4.00E+02						<2.0	<0.2100
Anthracene	MG/KG	1.80E+03	2.30E+04	4.40E-01		**0.14**	**0.78**	**0.49**	**25**	<0.0040
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00	8.90E-01		**0.23**	**3.4 J**	**1.7 J**	**15**	<0.0040
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00	1.60E+00		**0.42**	**4.3 J**	**1.9 J**	**11**	**0.0060 J**
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03	6.10E-01		**0.28**	**2.3 J**	**1.0 J**	**5.8**	<0.0040
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01	6.40E-01		**0.18**	**2.2 J**	**0.6900 J**	**4.2**	<0.0040
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01	6.90E-01		**0.29**	**3.9 J**	**1.5 J**	**10**	<0.0040
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03						<2.0	<0.2100
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02						<0.2	<0.0210
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00						<0.2	<0.0210

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		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-SWMU54-1A-2-0.5	SS1113-SWMU54-1A-3-0.5	SS1113-SWMU54-1A-3-0.5-D	28600375	28600376
					Sample Name				BEL-S-SWMU54-2(3-4)	BEL-S-SWMU54-2(20-21)
					Date Sampled	11/18/2013	11/18/2013	11/18/2013	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	0.5 - 1	0.5 - 1	3 - 4	20 - 21
					Sample Purpose	FS	FS	DUP	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Native Soil
Bis(2-Chloroisopropyl)Ether	MG/KG								<0.2	<0.0210
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02						<0.8200	<0.0830
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03						<0.8200	<0.0830
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01						<0.4100	<0.0410
Chrysene	MG/KG	1.60E+01	2.90E+02	1.50E+00		**0.26**	**3.4 J**	**1.4 J**	**15**	**0.0060 J**
Diallate	MG/KG	8.90E+00	3.80E+01						<0.4100	<0.0410
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01	2.00E-01		**0.087**	**0.8500 J**	**0.3 J**	**1.7**	<0.0040
Dibenzofuran	MG/KG	7.30E+00	1.00E+02						**9.6**	<0.0210
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04						<0.8200	<0.0830
Dimethyl Phthalate	MG/KG								<0.8200	<0.0830
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03						<0.8200	<0.0830
Ethyl Methanesulfonate	MG/KG								<0.8200	<0.0830
Fluoranthene	MG/KG	2.40E+02	3.00E+03	1.90E+00		**0.28**	**4.0 J**	**2.3 J**	**31**	<0.0040
Fluorene	MG/KG	2.40E+02	3.00E+03	8.50E-02		<0.0040	**0.13**	**0.12**	**36**	<0.0040
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01						<0.0410	<0.0040
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00						<0.2	<0.0210
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01						<2.0	<0.2100
Hexachloroethane	MG/KG	1.80E+00	8.00E+00						<0.4100	<0.0410
Hexachloropropylene	MG/KG								<1.2	<0.1200
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00	5.70E-01		**0.24**	**2.1 J**	**0.8700 J**	**4.5**	<0.0040
Isodrin	MG/KG								<0.2	<0.0210
Isophorone	MG/KG	5.70E+02	2.40E+03						<0.2	<0.0210
Isosafrole	MG/KG								<0.8200	<0.0830
Methapyrilene	MG/KG								<20.0	<2.1
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01						<0.4100	<0.0410
Naphthalene	MG/KG	3.80E+00	1.70E+01	1.20E+00		**0.21**	**1.1 J**	**0.3900 J**	**4.2**	<0.0040
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02						<0.8200	<0.0830
Nitrobenzene	MG/KG	5.10E+00	2.20E+01						<0.2	<0.0210
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02						<0.8200	<0.0830
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02						<0.2	<0.0210
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02						<0.8200	<0.0830
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01						<0.8200	<0.0830
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01						<0.2	<0.0210
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02						**4.7**	<0.0210
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01						<0.8200	<0.0830
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01						<0.2	<0.0210
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00						<0.2	<0.0210
O,O,O-Triethylphosphorothioate	MG/KG								<0.8200	<0.0830
O-Toluidine	MG/KG								<2.4	<0.2500

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1A-2	SWMU54-1A-3	SWMU54-1A-3	SWMU54-2	SWMU54-2
					Field Sample ID	SS1113-SWMU54-1A-2-0.5	SS1113-SWMU54-1A-3-0.5	SS1113-SWMU54-1A-3-0.5-D	28600375	28600376
					Sample Name				BEL-S-SWMU54-2(3-4)	BEL-S-SWMU54-2(20-21)
					Date Sampled	11/18/2013	11/18/2013	11/18/2013	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	0.5 - 1	0.5 - 1	3 - 4	20 - 21
					Sample Purpose	FS	FS	DUP	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Fill	Fill	Fill	Native Soil
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04						<140.0	<14.0
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01						<0.2	<0.0210
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01						<0.8200	<0.0830
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00						<0.4100	<0.0410
Phenacetin	MG/KG	2.50E+02	1.00E+03						<0.8200	<0.0830
Phenanthrene	MG/KG	1.80E+03	2.30E+04	8.70E-01		**0.24**	**1.6 J**	**1**	**120**	**0.0130 J**
Phenol	MG/KG	1.90E+03	2.50E+04						<0.2	<0.0210
Pyrene	MG/KG	1.80E+02	2.30E+03	1.50E+00		**0.24**	**3.4 J**	**2.2**	**45**	**0.0060 J**
Pyridine	MG/KG	7.80E+00	1.20E+02						<0.8200	<0.0830
Safrole	MG/KG	5.50E-01	1.00E+01						<0.8200	<0.0830
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01						<0.8200	<0.0830
Thionazin	MG/KG								<0.8200	<0.0830
Dimethoate	MG/KG	1.30E+00	1.60E+01						<2.0 UL	<0.2100 UL
Pronamide	MG/KG	4.70E+02	6.20E+03						<0.4100	<0.0410
Inorganics										
Antimony	MG/KG	3.10E+00	4.70E+01	1.43E+00					**23.9**	**0.170 J**
Arsenic	MG/KG	6.80E-01	3.00E+00	2.20E+01					**9.33**	**7.62**
Barium	MG/KG	1.50E+03	2.20E+04	2.62E+02					**284**	**127**
Beryllium	MG/KG	1.60E+01	2.30E+02	2.23E+00					**1.26**	**1.15**
Cadmium	MG/KG	7.10E+00	9.80E+01	1.37E+00					<0.0404	<0.0404
Chromium	MG/KG	1.20E+04	1.80E+05	4.40E+01					**41.5 K**	**20.4 K**
Cobalt	MG/KG	2.30E+00	3.50E+01	2.23E+01					**11.1**	**13**
Copper	MG/KG	3.10E+02	4.70E+03	8.86E+01					**40.1**	**17.2**
Lead	MG/KG	4.00E+02	8.00E+02	1.06E+02					**505**	**17**
Mercury	MG/KG	2.30E+00	3.50E+01	4.14E+00					**0.189**	**0.0355 J**
Nickel	MG/KG	1.50E+02	2.20E+03	2.59E+01					**23.8**	**19.7**
Selenium	MG/KG	3.90E+01	5.80E+02	2.19E+00					**1.49**	**0.209 J**
Silver	MG/KG	3.90E+01	5.80E+02						<0.171	<0.172
Thallium	MG/KG	7.80E-02	1.20E+00	4.09E-01					**0.232**	**0.199**
Tin	MG/KG	4.70E+03	7.00E+04						**2.85 B**	**2.50 B**
Vanadium	MG/KG	3.90E+01	5.80E+02	6.74E+01					**30**	**30.8**
Zinc	MG/KG	2.30E+03	3.50E+04	1.33E+02					**100**	**66.2**
Miscellaneous										
Total Organic Carbon	MG/KG									
Ammonia	MG/KG								**40.9 J**	**186**
Percent Moisture	%					**8.6 J**	**15.1 J**	**14.1 J**	**18.3**	**19.2**

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1A-2	SWMU54-1A-3	SWMU54-1A-3	SWMU54-2	SWMU54-2
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	SS1113-SWMU54-1A-2-0.5	SS1113-SWMU54-1A-3-0.5	SS1113-SWMU54-1A-3-0.5-D	28600375	28600376
					Sample Name				BEL-S-SWMU54-2(3-4)	BEL-S-SWMU54-2(20-21)
					Date Sampled	11/18/2013	11/18/2013	11/18/2013	11/28/2012	11/28/2012
					Start Depth - End Depth	0.5 - 1	0.5 - 1	0.5 - 1	3 - 4	20 - 21
					Sample Purpose	FS	FS	DUP	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Native Soil

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

(2) Site-specific historical fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the industrial SL and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-2	SWMU54-2	SWMU54-2-1	SWMU54-2-1	SWMU54-2-2
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-SWMU-054-2-20-21	P4S-0513-SWMU-054-2-36-37	SS1113-SWMU54-2-1-0.5	SS1113-SWMU54-2-1-3	SS1113-SWMU54-2-2-0.5
					Sample Name					
					Date Sampled	05/22/2013	05/22/2013	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	20 - 21	36 - 37	0.5 - 1	3 - 4	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Fill	Fill
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00			<0.0010	<0.0010			
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03			<0.0010	<0.0010			
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00			<0.0010	<0.0010			
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01			<0.0010	<0.0010			
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01			<0.0010	<0.0010			
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02			<0.0010	<0.0010			
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01			<0.0010	<0.0010			
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02			<0.0020	<0.0020			
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01			<0.0010	<0.0010			
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02			<0.0010	<0.0010			
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00			<0.0010	<0.0010			
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00			<0.0010	<0.0010			
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010			
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01			<0.0010	<0.0010			
2-Hexanone	MG/KG	2.00E+01	1.30E+02			<0.0030	<0.0030			
Acetone	MG/KG	6.10E+03	6.70E+04			**0.0080 J**	**0.0780**			
Acetonitrile	MG/KG	8.10E+01	3.40E+02			<0.0260	<0.0280			
Acrolein	MG/KG	1.40E-02	6.00E-02			<0.0210	<0.0220			
Acrylonitrile	MG/KG	2.50E-01	1.10E+00			<0.0040	<0.0040			
Allyl Chloride	MG/KG	1.70E-01	6.90E-01			<0.0010	<0.0010			
Benzene	MG/KG	1.20E+00	5.10E+00			<0.00050	<0.00060			
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00			<0.0010	<0.0010			
Bromoform	MG/KG	1.90E+01	8.60E+01			<0.0010	<0.0010			
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02			<0.0010	<0.0010			
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00			<0.0010	<0.0010			
Chlorobenzene	MG/KG	2.80E+01	1.30E+02			<0.0010	<0.0010			
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00			<0.0010	<0.0010			
Chloroform	MG/KG	3.20E-01	1.40E+00			<0.0010	<0.0010			
Chloroprene	MG/KG	1.00E-02	4.40E-02			<0.0010	<0.0010			
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02			<0.0010	<0.0010			
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010			
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01			<0.0020	<0.0020			
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03			<0.0020	<0.0020			
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02			<0.0010	<0.0010			
Ethylbenzene	MG/KG	5.80E+00	2.50E+01			<0.0010	<0.0010			
Formaldehyde	MG/KG	1.70E+01	7.30E+01			**2.5000 J**	**31.0000**			
Iodomethane	MG/KG					<0.0030	<0.0030			
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04			<0.1000	<0.1100			

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					Field Sample ID	P4S-0513-SWMU-054-2-20-21	P4S-0513-SWMU-054-2-36-37	SS1113-SWMU54-2-1-0.5	SS1113-SWMU54-2-1-3	SS1113-SWMU54-2-2-0.5
					Sample Name					
					Date Sampled	05/22/2013	05/22/2013	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	20 - 21	36 - 37	0.5 - 1	3 - 4	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Native Soil	Native Soil	Fill	Fill	Fill
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01			<0.0050	<0.0060			
Methyl Bromide	MG/KG	6.80E-01	3.00E+00			<0.0020	<0.0020			
Methyl Chloride	MG/KG	1.10E+01	4.60E+01			<0.0020	<0.0020			
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04			<0.0040	**0.0180**			
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03			<0.0030	<0.0030			
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03			<0.0010	<0.0010			
Methylene Bromide	MG/KG	2.30E+00	9.80E+00			<0.0010	<0.0010			
Methylene Chloride	MG/KG	3.50E+01	3.20E+02			<0.0020	<0.0020			
Pentachloroethane	MG/KG	7.70E+00	3.60E+01			<0.0010	<0.0010			
Propionitrile	MG/KG					<0.0310	<0.0330			
Styrene	MG/KG	6.00E+02	3.50E+03			<0.0010	<0.0010			
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01			<0.0010	<0.0010			
Toluene	MG/KG	4.90E+02	4.70E+03			**0.0010 J**	<0.0010			
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03			<0.0010	<0.0010			
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010			
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02			<0.0100	<0.0110			
Trichloroethene	MG/KG	4.10E-01	1.90E+00			<0.0010	<0.0010			
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02			<0.0020	<0.0020			
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02			<0.0020	<0.0020			
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00			<0.0010	<0.0010			
Xylenes	MG/KG	6.50E+01	2.80E+02			<0.0010	<0.0010			
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01			<0.0210	<0.0220			
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01			<0.0210	<0.0220			
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03			<0.2100	<0.2200			
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00			<0.0850	<0.0890			
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01			<0.1300	<0.1300			
1,4-Naphthoquinone	MG/KG					<1.1	<1.1			
1-Methylnaphthalene	MG/KG	1.80E+01	7.30E+01	3.50E-01				**0.19**	**0.22**	**2.4**
1-Naphthylamine	MG/KG					<0.2100	<0.2200			
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03			<0.0850	<0.0890			
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03			<0.0210	<0.0220			
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01			<0.0210	<0.0220			
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02			<0.0210	<0.0220			
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03			<0.0210	<0.0220			
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02			<0.3800	<0.4			
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00			<0.0850	<0.0890			
2,6-Dichlorophenol	MG/KG					<0.0210	<0.0220			
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00			<0.0210	<0.0220			

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					Field Sample ID	P4S-0513-SWMU-054-2-20-21	P4S-0513-SWMU-054-2-36-37	SS1113-SWMU54-2-1-0.5	SS1113-SWMU54-2-1-3	SS1113-SWMU54-2-2-0.5
					Sample Name					
					Date Sampled	05/22/2013	05/22/2013	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	20 - 21	36 - 37	0.5 - 1	3 - 4	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Native Soil	Native Soil	Fill	Fill	Fill
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01			<0.0850	<0.0890			
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03			<0.0090	<0.0090			
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02			<0.0210	<0.0220			
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02	4.70E-01		<0.0040	**0.023**	**0.24**	**0.27**	**3.7**
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03			<0.0210	<0.0220			
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00			<0.2100	<0.2200			
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02			<0.0210	<0.0220			
2-Nitrophenol	MG/KG					<0.0210	<0.0220			
2-Picoline	MG/KG					<0.1300	<0.1300			
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00			<0.1300	<0.1300			
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01			<0.6400	<0.6700			
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01			<0.0210	<0.0220			
3-Nitroaniline	MG/KG					<0.0850	<0.0890			
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00			<0.2100	<0.2200			
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01			<0.2100	<0.2200			
4-Bromophenyl Phenyl Ether	MG/KG					<0.0210	<0.0220			
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03			<0.0210	<0.0220			
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01			<0.0210	<0.0220			
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0210	<0.0220			
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01			<0.0850	<0.0890			
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03			<0.0210	<0.0220			
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02			<0.0850	<0.0890			
4-Nitrophenol	MG/KG					<0.2100	<0.2200			
4-Nitroquinoline-N-Oxide	MG/KG					<0.4300	<0.4500			
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02			<0.2100	<0.2200			
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03			<0.0210	<0.0220			
Acenaphthene	MG/KG	3.60E+02	4.50E+03	3.40E-02		<0.0040	<0.0040	**0.0420 J**	<0.0040	**1.5**
Acenaphthylene	MG/KG	3.60E+02	4.50E+03	3.10E-01		<0.0040	<0.0040	**0.95**	**0.094**	**78**
Acetophenone	MG/KG	7.80E+02	1.20E+04			<0.0210	<0.0220			
Aniline	MG/KG	4.40E+01	4.00E+02			<0.2100	<0.2200			
Anthracene	MG/KG	1.80E+03	2.30E+04	4.40E-01		<0.0040	<0.0040	**1.4**	**0.095**	**110**
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00	8.90E-01		**0.0060 J**	**0.0120 J**	**3.3**	**0.18**	**300**
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00	1.60E+00		**0.0130 J**	**0.061**	**4**	**0.25**	**290**
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03	6.10E-01		**0.0060 J**	**0.029**	**2.3**	**0.14**	**160**
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01	6.40E-01		<0.0040	**0.0120 J**	**1.4**	**0.082**	**140**
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01	6.90E-01		**0.0070 J**	**0.0180 J**	**2.9**	**0.17**	**250**
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03			<0.2100	<0.2200			
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02			<0.0210	<0.0220			
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00			<0.0210	<0.0220			

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-2	SWMU54-2	SWMU54-2-1	SWMU54-2-1	SWMU54-2-2
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-SWMU-054-2-20-21	P4S-0513-SWMU-054-2-36-37	SS1113-SWMU54-2-1-0.5	SS1113-SWMU54-2-1-3	SS1113-SWMU54-2-2-0.5
					Sample Name					
					Date Sampled	05/22/2013	05/22/2013	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	20 - 21	36 - 37	0.5 - 1	3 - 4	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Fill	Fill
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0210	<0.0220			
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02			<0.0850	<0.0890			
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03			<0.0850	<0.0890			
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01			<0.0430	<0.0450			
Chrysene	MG/KG	1.60E+01	2.90E+02	1.50E+00		**0.0120 J**	**0.041**	**3.3**	**0.24**	**260**
Diallate	MG/KG	8.90E+00	3.80E+01			<0.0430	<0.0450			
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01	2.00E-01		<0.0040	**0.0100 J**	**0.59**	**0.031**	**45**
Dibenzofuran	MG/KG	7.30E+00	1.00E+02			<0.0210	<0.0220			
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04			<0.0850	<0.0890			
Dimethyl Phthalate	MG/KG					<0.0850	<0.0890			
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03			<0.0850	<0.0890			
Ethyl Methanesulfonate	MG/KG					<0.0850	<0.0890			
Fluoranthene	MG/KG	2.40E+02	3.00E+03	1.90E+00		**0.0120 J**	**0.0090 J**	**6.6**	**0.31**	**680**
Fluorene	MG/KG	2.40E+02	3.00E+03	8.50E-02		<0.0040	**0.0050 J**	**0.33**	<0.0040	**33**
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01			<0.0040	<0.0040			
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00			<0.0210	<0.0220			
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01			<0.2100	<0.2200			
Hexachloroethane	MG/KG	1.80E+00	8.00E+00			<0.0430	<0.0450			
Hexachloropropylene	MG/KG					<0.1300	<0.1300			
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00	5.70E-01		<0.0040	**0.0130 J**	**1.9**	**0.1**	**140**
Isodrin	MG/KG					<0.0210	<0.0220			
Isophorone	MG/KG	5.70E+02	2.40E+03			<0.0210	<0.0220			
Isosafrole	MG/KG					<0.0850	<0.0890			
Methapyrilene	MG/KG					<2.1	<2.2			
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01			<0.0430	<0.0450			
Naphthalene	MG/KG	3.80E+00	1.70E+01	1.20E+00		<0.0040	**0.0150 J**	**1.8**	**0.19**	**11**
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02			<0.0850	<0.0890			
Nitrobenzene	MG/KG	5.10E+00	2.20E+01			<0.0210	<0.0220			
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02			<0.0850	<0.0890			
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02			<0.0210	<0.0220			
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02			<0.0850	<0.0890			
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01			<0.0850	<0.0890			
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01			<0.0210	<0.0220			
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02			<0.0210	<0.0220			
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01			<0.0850	<0.0890			
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01			<0.0210	<0.0220			
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00			<0.0210	<0.0220			
O,O,O-Triethylphosphorothioate	MG/KG					<0.0850	<0.0890			
O-Toluidine	MG/KG					<0.2600	<0.2700			

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-2	SWMU54-2	SWMU54-2-1	SWMU54-2-1	SWMU54-2-2
					Field Sample ID	P4S-0513-SWMU-054-2-20-21	P4S-0513-SWMU-054-2-36-37	SS1113-SWMU54-2-1-0.5	SS1113-SWMU54-2-1-3	SS1113-SWMU54-2-2-0.5
					Sample Name					
					Date Sampled	05/22/2013	05/22/2013	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	20 - 21	36 - 37	0.5 - 1	3 - 4	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Native Soil	Native Soil	Fill	Fill	Fill
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04			<15.0	<16.0			
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01			<0.0210	<0.0220			
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01			<0.0850	<0.0890			
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00			<0.0430	<0.0450			
Phenacetin	MG/KG	2.50E+02	1.00E+03			<0.0850	<0.0890			
Phenanthrene	MG/KG	1.80E+03	2.30E+04	8.70E-01		**0.0150 J**	**0.05**	**3.5**	**0.67**	**330**
Phenol	MG/KG	1.90E+03	2.50E+04			<0.0210	<0.0220			
Pyrene	MG/KG	1.80E+02	2.30E+03	1.50E+00		**0.0120 J**	**0.0150 J**	**5.6**	**0.28**	**550**
Pyridine	MG/KG	7.80E+00	1.20E+02			<0.0850	<0.0890			
Safrole	MG/KG	5.50E-01	1.00E+01			<0.0850	<0.0890			
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01			<0.0850	<0.0890			
Thionazin	MG/KG					<0.0850	<0.0890			
Dimethoate	MG/KG	1.30E+00	1.60E+01			<0.2100	<0.2200			
Pronamide	MG/KG	4.70E+02	6.20E+03			<0.0430	<0.0450			
Inorganics										
Antimony	MG/KG	3.10E+00	4.70E+01	1.43E+00						
Arsenic	MG/KG	6.80E-01	3.00E+00	2.20E+01						
Barium	MG/KG	1.50E+03	2.20E+04	2.62E+02						
Beryllium	MG/KG	1.60E+01	2.30E+02	2.23E+00						
Cadmium	MG/KG	7.10E+00	9.80E+01	1.37E+00						
Chromium	MG/KG	1.20E+04	1.80E+05	4.40E+01						
Cobalt	MG/KG	2.30E+00	3.50E+01	2.23E+01						
Copper	MG/KG	3.10E+02	4.70E+03	8.86E+01						
Lead	MG/KG	4.00E+02	8.00E+02	1.06E+02						
Mercury	MG/KG	2.30E+00	3.50E+01	4.14E+00						
Nickel	MG/KG	1.50E+02	2.20E+03	2.59E+01						
Selenium	MG/KG	3.90E+01	5.80E+02	2.19E+00						
Silver	MG/KG	3.90E+01	5.80E+02							
Thallium	MG/KG	7.80E-02	1.20E+00	4.09E-01						
Tin	MG/KG	4.70E+03	7.00E+04							
Vanadium	MG/KG	3.90E+01	5.80E+02	6.74E+01						
Zinc	MG/KG	2.30E+03	3.50E+04	1.33E+02						
Miscellaneous										
Total Organic Carbon	MG/KG					**2940**	**18600**			
Ammonia	MG/KG					<21.7	**63.7 J**			
Percent Moisture	%					**21.8 J**	**25.2 J**	**15.5 J**	**19.3 J**	**13.9 J**

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-2	SWMU54-2	SWMU54-2-1	SWMU54-2-1	SWMU54-2-2
		EPA SL Residential Soil	EPA SL Industrial Soil		Field Sample ID	P4S-0513-SWMU-054-2-20-21	P4S-0513-SWMU-054-2-36-37	SS1113-SWMU54-2-1-0.5	SS1113-SWMU54-2-1-3	SS1113-SWMU54-2-2-0.5
					Sample Name					
					Date Sampled	05/22/2013	05/22/2013	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	20 - 21	36 - 37	0.5 - 1	3 - 4	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Fill	Fill

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

(2) Site-specific historical fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the industrial SL and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-2-2	SWMU54-2-3	SWMU54-2-3
					Field Sample ID	SS1113-SWMU54-2-2-3	SS1113-SWMU54-2-3-0.5	SS1113-SWMU54-2-3-8
					Sample Name			
		EPA SL Residential Soil	EPA SL Industrial Soil		Date Sampled	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	3 - 4	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00					
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03					
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00					
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01					
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01					
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02					
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01					
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02					
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01					
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02					
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00					
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00					
1,3-Dichlorobenzene	MG/KG							
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01					
2-Hexanone	MG/KG	2.00E+01	1.30E+02					
Acetone	MG/KG	6.10E+03	6.70E+04					
Acetonitrile	MG/KG	8.10E+01	3.40E+02					
Acrolein	MG/KG	1.40E-02	6.00E-02					
Acrylonitrile	MG/KG	2.50E-01	1.10E+00					
Allyl Chloride	MG/KG	1.70E-01	6.90E-01					
Benzene	MG/KG	1.20E+00	5.10E+00					
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00					
Bromoform	MG/KG	1.90E+01	8.60E+01					
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02					
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00					
Chlorobenzene	MG/KG	2.80E+01	1.30E+02					
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00					
Chloroform	MG/KG	3.20E-01	1.40E+00					
Chloroprene	MG/KG	1.00E-02	4.40E-02					
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02					
cis-1,3-Dichloropropene	MG/KG							
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01					
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03					
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02					
Ethylbenzene	MG/KG	5.80E+00	2.50E+01					
Formaldehyde	MG/KG	1.70E+01	7.30E+01					
Iodomethane	MG/KG							
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04					

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-2-2	SWMU54-2-3	SWMU54-2-3
					Field Sample ID	SS1113-SWMU54-2-2-3	SS1113-SWMU54-2-3-0.5	SS1113-SWMU54-2-3-8
					Sample Name			
					Date Sampled	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	3 - 4	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Fill	Fill
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01					
Methyl Bromide	MG/KG	6.80E-01	3.00E+00					
Methyl Chloride	MG/KG	1.10E+01	4.60E+01					
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04					
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03					
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03					
Methylene Bromide	MG/KG	2.30E+00	9.80E+00					
Methylene Chloride	MG/KG	3.50E+01	3.20E+02					
Pentachloroethane	MG/KG	7.70E+00	3.60E+01					
Propionitrile	MG/KG							
Styrene	MG/KG	6.00E+02	3.50E+03					
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01					
Toluene	MG/KG	4.90E+02	4.70E+03					
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03					
trans-1,3-Dichloropropene	MG/KG							
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02					
Trichloroethene	MG/KG	4.10E-01	1.90E+00					
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02					
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02					
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00					
Xylenes	MG/KG	6.50E+01	2.80E+02					
Semi-Volatile Organic Compounds								
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01					
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01					
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03					
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00					
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01					
1,4-Naphthoquinone	MG/KG							
1-Methylnaphthalene	MG/KG	1.80E+01	7.30E+01	3.50E-01		**0.13**	**0.14**	**0.039**
1-Naphthylamine	MG/KG							
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03					
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03					
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01					
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02					
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03					
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02					
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00					
2,6-Dichlorophenol	MG/KG							
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00					

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-2-2	SWMU54-2-3	SWMU54-2-3
					Field Sample ID	SS1113-SWMU54-2-2-3	SS1113-SWMU54-2-3-0.5	SS1113-SWMU54-2-3-8
					Sample Name			
		EPA SL Residential Soil	EPA SL Industrial Soil		Date Sampled	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	3 - 4	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01					
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03					
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02					
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02	4.70E-01		**0.19**	**0.19**	**0.055**
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03					
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00					
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02					
2-Nitrophenol	MG/KG							
2-Picoline	MG/KG							
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00					
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01					
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01					
3-Nitroaniline	MG/KG							
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00					
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01					
4-Bromophenyl Phenyl Ether	MG/KG							
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03					
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01					
4-Chlorophenyl Phenyl Ether	MG/KG							
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01					
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03					
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02					
4-Nitrophenol	MG/KG							
4-Nitroquinoline-N-Oxide	MG/KG							
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02					
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03					
Acenaphthene	MG/KG	3.60E+02	4.50E+03	3.40E-02		**0.14**	**0.0830 J**	**0.021**
Acenaphthylene	MG/KG	3.60E+02	4.50E+03	3.10E-01		**0.28**	**1.7**	**0.24**
Acetophenone	MG/KG	7.80E+02	1.20E+04					
Aniline	MG/KG	4.40E+01	4.00E+02					
Anthracene	MG/KG	1.80E+03	2.30E+04	4.40E-01		**0.41**	**1.6**	**0.43**
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00	8.90E-01		**0.9**	**1.3**	**0.64**
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00	1.60E+00		**0.87**	**0.81**	**0.54**
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03	6.10E-01		**0.37**	**2.3**	**0.26**
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01	6.40E-01		**0.29**	**0.77**	**0.24**
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01	6.90E-01		**0.59**	**1.9**	**0.5**
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03					
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02					
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00					

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-2-2	SWMU54-2-3	SWMU54-2-3
					Field Sample ID	SS1113-SWMU54-2-2-3	SS1113-SWMU54-2-3-0.5	SS1113-SWMU54-2-3-8
					Sample Name			
		EPA SL Residential Soil	EPA SL Industrial Soil		Date Sampled	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	3 - 4	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill
Bis(2-Chloroisopropyl)Ether	MG/KG							
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02					
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03					
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01					
Chrysene	MG/KG	1.60E+01	2.90E+02	1.50E+00		**0.76**	**1.3**	**0.57**
Diallate	MG/KG	8.90E+00	3.80E+01					
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01	2.00E-01		**0.12**	**0.47**	**0.079**
Dibenzofuran	MG/KG	7.30E+00	1.00E+02					
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04					
Dimethyl Phthalate	MG/KG							
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03					
Ethyl Methanesulfonate	MG/KG							
Fluoranthene	MG/KG	2.40E+02	3.00E+03	1.90E+00		**0.92**	**1.7**	**1.2**
Fluorene	MG/KG	2.40E+02	3.00E+03	8.50E-02		**0.31**	<0.0210	**0.22**
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01					
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00					
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01					
Hexachloroethane	MG/KG	1.80E+00	8.00E+00					
Hexachloropropylene	MG/KG							
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00	5.70E-01		**0.31**	**1.5**	**0.22**
Isodrin	MG/KG							
Isophorone	MG/KG	5.70E+02	2.40E+03					
Isosafrole	MG/KG							
Methapyrilene	MG/KG							
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01					
Naphthalene	MG/KG	3.80E+00	1.70E+01	1.20E+00		**0.13**	**0.17**	**0.072**
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02					
Nitrobenzene	MG/KG	5.10E+00	2.20E+01					
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02					
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02					
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02					
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01					
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01					
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02					
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01					
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01					
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00					
O,O,O-Triethylphosphorothioate	MG/KG							
O-Toluidine	MG/KG							

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-2-2	SWMU54-2-3	SWMU54-2-3
					Field Sample ID	SS1113-SWMU54-2-2-3	SS1113-SWMU54-2-3-0.5	SS1113-SWMU54-2-3-8
					Sample Name			
					Date Sampled	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	3 - 4	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS
		EPA SL Residential Soil	EPA SL Industrial Soil		Fill or Native Soil	Fill	Fill	Fill
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04					
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01					
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01					
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00					
Phenacetin	MG/KG	2.50E+02	1.00E+03					
Phenanthrene	MG/KG	1.80E+03	2.30E+04	8.70E-01		**2**	**1.2**	**1.2**
Phenol	MG/KG	1.90E+03	2.50E+04					
Pyrene	MG/KG	1.80E+02	2.30E+03	1.50E+00		**1**	**1.9**	**1**
Pyridine	MG/KG	7.80E+00	1.20E+02					
Safrole	MG/KG	5.50E-01	1.00E+01					
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01					
Thionazin	MG/KG							
Dimethoate	MG/KG	1.30E+00	1.60E+01					
Pronamide	MG/KG	4.70E+02	6.20E+03					
Inorganics								
Antimony	MG/KG	3.10E+00	4.70E+01	1.43E+00				
Arsenic	MG/KG	6.80E-01	3.00E+00	2.20E+01				
Barium	MG/KG	1.50E+03	2.20E+04	2.62E+02				
Beryllium	MG/KG	1.60E+01	2.30E+02	2.23E+00				
Cadmium	MG/KG	7.10E+00	9.80E+01	1.37E+00				
Chromium	MG/KG	1.20E+04	1.80E+05	4.40E+01				
Cobalt	MG/KG	2.30E+00	3.50E+01	2.23E+01				
Copper	MG/KG	3.10E+02	4.70E+03	8.86E+01				
Lead	MG/KG	4.00E+02	8.00E+02	1.06E+02				
Mercury	MG/KG	2.30E+00	3.50E+01	4.14E+00				
Nickel	MG/KG	1.50E+02	2.20E+03	2.59E+01				
Selenium	MG/KG	3.90E+01	5.80E+02	2.19E+00				
Silver	MG/KG	3.90E+01	5.80E+02					
Thallium	MG/KG	7.80E-02	1.20E+00	4.09E-01				
Tin	MG/KG	4.70E+03	7.00E+04					
Vanadium	MG/KG	3.90E+01	5.80E+02	6.74E+01				
Zinc	MG/KG	2.30E+03	3.50E+04	1.33E+02				
Miscellaneous								
Total Organic Carbon	MG/KG							
Ammonia	MG/KG							
Percent Moisture	%					**19.6 J**	**19.0 J**	**17.9 J**

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

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Analyte	Units	Screening Criteria (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-2-2	SWMU54-2-3	SWMU54-2-3
					Field Sample ID	SS1113-SWMU54-2-2-3	SS1113-SWMU54-2-3-0.5	SS1113-SWMU54-2-3-8
					Sample Name			
		EPA SL Residential Soil	EPA SL Industrial Soil		Date Sampled	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	3 - 4	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

(2) Site-specific historical fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL and the Historic Fill 95% UTL (where applicable)
Pink Shaded Cells = Concentration above the industrial SL and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1	SWMU54-1	SWMU54-1	SWMU54-1A	SWMU54-1A-1	SWMU54-1A-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28521099	28521100	28521101	P4S-0513-SWMU-054-1A-21-22	SS1113-SWMU54-1A-1-0.5	SS1113-SWMU54-1A-2-0.5
					Sample Name	BEL-S-SWMU54-1(0.5-1)	BEL-S-SWMU54-1(21-22)	BEL-S-SWMU54-1(31-32)			
					Date Sampled	11/07/2012	11/07/2012	11/07/2012	05/22/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	31 - 32	21 - 22	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Fill	Fill
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010	<0.0010	<0.0010	<0.0010		
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010	<0.0010	<0.0010	<0.0010		
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010	<0.0010	<0.0010	<0.0010		
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010	<0.0010	<0.0010	<0.0010		
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010	<0.0010	<0.0010	<0.0010		
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010	<0.0010	<0.0010	<0.0010		
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010	<0.0010	<0.0010	<0.0010		
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0030	<0.0020	<0.0030	<0.0020		
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010	<0.0010	<0.0010	<0.0010		
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0010	<0.0010	<0.0010	<0.0010		
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010	<0.0010	<0.0010	<0.0010		
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010	<0.0010	<0.0010	<0.0010		
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010		
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0010	<0.0010	<0.0010	<0.0010		
2-Hexanone	MG/KG		1.76E-01			<0.0040	<0.0030	<0.0040	<0.0030		
Acetone	MG/KG		5.80E+01			**0.0160 J**	<0.0070	**0.0170 J**	<0.0070		
Acetonitrile	MG/KG		5.20E-01			<0.0310	<0.0260	<0.0310	<0.0250		
Acrolein	MG/KG		1.68E-04			<0.0250	<0.0200	<0.0250 UL	<0.0200		
Acrylonitrile	MG/KG		2.20E-04			<0.0050	<0.0040	<0.0050	<0.0040		
Allyl Chloride	MG/KG		4.60E-03			<0.0010	<0.0010	<0.0010	<0.0010		
Benzene	MG/KG	5.20E-02	4.60E-03			<0.00060	<0.00050	<0.00060	<0.00050		
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010	<0.0010	<0.0010	<0.0010		
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010	<0.0010	<0.0010	<0.0010		
Carbon Disulfide	MG/KG		4.80E+00			**0.0030 J**	<0.0010	<0.0010	<0.0010		
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010	<0.0010	<0.0010	<0.0010		
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0010	<0.0010	<0.0010	<0.0010		
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010	<0.0010	<0.0010	<0.0010		
Chloroform	MG/KG	4.40E-01	1.22E-03			**0.0010 J**	<0.0010	<0.0010	<0.0010		
Chloroprene	MG/KG		1.96E-04			<0.0010	<0.0010	<0.0010	<0.0010		
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010	<0.0010	<0.0010	<0.0010		
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010		
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0030 UL	<0.0020 UL	<0.0030 UL	<0.0020		
Ethyl Chloride	MG/KG		1.18E+02			<0.0030	<0.0020	<0.0030	<0.0020		
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010	<0.0010	<0.0010	<0.0010		
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0010	<0.0010	<0.0010	<0.0010		
Formaldehyde	MG/KG		1.74E-03						<1.5000		
Iodomethane	MG/KG					<0.0040	<0.0030	<0.0040	<0.0030		
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1300	<0.1000	<0.1300	<0.1000		
Methacrylonitrile	MG/KG		8.60E-03			<0.0060	<0.0050	<0.0060	<0.0050		
Methyl Bromide	MG/KG		3.80E-02			<0.0030	<0.0020	<0.0030	<0.0020		
Methyl Chloride	MG/KG		9.80E-01			<0.0030	<0.0020	<0.0030	<0.0020		
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0050	<0.0040	<0.0050	<0.0040		
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0040	<0.0030	<0.0040	<0.0030		

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1	SWMU54-1	SWMU54-1	SWMU54-1A	SWMU54-1A-1	SWMU54-1A-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28521099	28521100	28521101	P4S-0513-SWMU-054-1A-21-22	SS1113-SWMU54-1A-1-0.5	SS1113-SWMU54-1A-2-0.5
					Sample Name	BEL-S-SWMU54-1(0.5-1)	BEL-S-SWMU54-1(21-22)	BEL-S-SWMU54-1(31-32)			
					Date Sampled	11/07/2012	11/07/2012	11/07/2012	05/22/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	31 - 32	21 - 22	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Fill	Fill
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010	<0.0010	<0.0010	<0.0010		
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.0010	<0.0010	<0.0010		
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0030	<0.0020	<0.0030	<0.0020		
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.0010	<0.0010	<0.0010		
Propionitrile	MG/KG					<0.0380	<0.0310	<0.0380	<0.0300		
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010	<0.0010	<0.0010 UL	<0.0010		
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.0010	<0.0010	<0.0010		
Toluene	MG/KG	1.38E+01	1.52E+01			<0.0010	<0.0010	<0.0010	<0.0010		
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010	<0.0010	<0.0010		
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010		
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0130	<0.0100	<0.0130	<0.0100		
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.0010	<0.0010	<0.0010		
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0030	<0.0020	<0.0030	<0.0020		
Vinyl Acetate	MG/KG		1.74E+00			<0.0030 UL	<0.0020 UL	<0.0030 UL	<0.0020		
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010	<0.0010	<0.0010	<0.0010		
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.0010	<0.0010	<0.0010	<0.0010		
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0180	<0.0210	<0.0240	<0.0210		
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0180	<0.0210	<0.0240	<0.0210		
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.1800	<0.2100	<0.2400	<0.2100		
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0730	<0.0830	<0.0940	<0.0830		
1,4-Dioxane	MG/KG		1.88E-03			<0.1100	<0.1300	<0.1400	<0.1300		
1,4-Naphthoquinone	MG/KG					<0.9100	<1.0	<1.2	<1.0		
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01						**0.0850 J**	**0.08**
1-Naphthylamine	MG/KG					<0.1800 UL	<0.2100 UL	<0.2400 UL	<0.2100		
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0730	<0.0830	<0.0940	<0.0830		
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0180	<0.0210	<0.0240	<0.0210		
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0180	<0.0210	<0.0240	<0.0210		
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0180	<0.0210	<0.0240	<0.0210		
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0180	<0.0210	<0.0240	<0.0210		
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3300	<0.3800	<0.4200	<0.3800		
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0730	<0.0830	<0.0940	<0.0830		
2,6-Dichlorophenol	MG/KG					<0.0180	<0.0210	<0.0240	<0.0210		
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0180	<0.0210	<0.0240	<0.0210		
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0730	<0.0830	<0.0940	<0.0830		
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0080	<0.0090	<0.0100	<0.0090		
2-Chlorophenol	MG/KG		1.48E+00			<0.0180	<0.0210	<0.0240	<0.0210		
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.24**	<0.0040	**0.0090 J**	<0.0040	**0.096**	**0.098**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0180	<0.0210	<0.0240	<0.0210		
2-Naphthylamine	MG/KG		4.00E-03			<0.1800 UL	<0.2100 UL	<0.2400 UL	<0.2100		
2-Nitroaniline	MG/KG		1.60E+00			<0.0180	<0.0210	<0.0240	<0.0210		
2-Nitrophenol	MG/KG					<0.0180	<0.0210	<0.0240	<0.0210		
2-Picoline	MG/KG					<0.1100	<0.1300	<0.1400	<0.1300		
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1100	<0.1300	<0.1400	<0.1300		

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1	SWMU54-1	SWMU54-1	SWMU54-1A	SWMU54-1A-1	SWMU54-1A-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28521099	28521100	28521101	P4S-0513-SWMU-054-1A-21-22	SS1113-SWMU54-1A-1-0.5	SS1113-SWMU54-1A-2-0.5
					Sample Name	BEL-S-SWMU54-1(0.5-1)	BEL-S-SWMU54-1(21-22)	BEL-S-SWMU54-1(31-32)			
					Date Sampled	11/07/2012	11/07/2012	11/07/2012	05/22/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	31 - 32	21 - 22	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Fill	Fill
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.5500	<0.6200	<0.7100	<0.6200		
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0180	<0.0210	<0.0240	<0.0210		
3-Nitroaniline	MG/KG					<0.0730	<0.0830	<0.0940	<0.0830		
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.1800	<0.2100	<0.2400	<0.2100		
4-Aminobiphenyl	MG/KG		3.00E-04			<0.1800	<0.2100	<0.2400	<0.2100		
4-Bromophenyl Phenyl Ether	MG/KG					<0.0180	<0.0210	<0.0240	<0.0210		
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0180	<0.0210	<0.0240	<0.0210		
4-Chloroaniline	MG/KG		3.20E-03			<0.0180 UL	<0.0210 UL	<0.0240 UL	<0.0210		
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0180	<0.0210	<0.0240	<0.0210		
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0730	<0.0830	<0.0940	<0.0830		
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0180	<0.0210	<0.0240	<0.0210		
4-Nitroaniline	MG/KG		3.20E-02			<0.0730	<0.0830	<0.0940	<0.0830		
4-Nitrophenol	MG/KG					<0.1800	<0.2100	<0.2400	<0.2100		
4-Nitroquinoline-N-Oxide	MG/KG					<0.3600	<0.4200	<0.4700	<0.4200		
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.1800	<0.2100	<0.2400	<0.2100		
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0180	<0.0210	<0.0240	<0.0210		
Acenaphthene	MG/KG		1.10E+02	3.40E-02		**0.0150 J**	<0.0040	<0.0050	<0.0040	<0.0180	<0.0040
Acenaphthylene	MG/KG			3.10E-01		**0.58**	**0.0080 J**	<0.0050	<0.0040	**0.23**	**0.19**
Acetophenone	MG/KG		1.16E+01			**0.082**	<0.0210	<0.0240	<0.0210		
Aniline	MG/KG		9.20E-02			<0.1800	<0.2100	<0.2400	<0.2100		
Anthracene	MG/KG		1.16E+03	4.40E-01		**0.37**	**0.0080 J**	**0.0070 J**	<0.0040	**0.16**	**0.14**
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**1.8**	**0.0060 J**	**0.0090 J**	<0.0040	**0.63**	**0.23**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**2.4**	**0.0090 J**	**0.0150 J**	**0.0090 J**	**1**	**0.42**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**1.3**	<0.0040	**0.0100 J**	<0.0040	**0.54**	**0.28**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**0.77**	<0.0040	<0.0050	**0.0050 J**	**0.38**	**0.18**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**1.7**	<0.0040	<0.0050	<0.0040	**0.74**	**0.29**
Benzyl Alcohol	MG/KG		9.60E+00			<0.1800	<0.2100	<0.2400	<0.2100		
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0180	<0.0210	<0.0240	<0.0210		
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0180	<0.0210	<0.0240	<0.0210		
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0180	<0.0210	<0.0240	<0.0210		
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0730	<0.0830	<0.0940	<0.0830		
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0730	<0.0830	<0.0940	<0.0830		
Chlorobenzilate	MG/KG		2.00E-02			<0.0360	<0.0420	<0.0470	<0.0420		
Chrysene	MG/KG		2.40E+01	1.50E+00		**1.5**	**0.0060 J**	**0.0140 J**	**0.0090 J**	**0.62**	**0.26**
Diallate	MG/KG		1.56E-02			<0.0360	<0.0420	<0.0470	<0.0420		
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		**0.48**	<0.0040	<0.0050	<0.0040	**0.16**	**0.087**
Dibenzofuran	MG/KG		3.00E+00			**0.087**	<0.0210	<0.0240	<0.0210		
Diethyl Phthalate	MG/KG		1.22E+02			<0.0730	<0.0830	<0.0940	<0.0830		
Dimethyl Phthalate	MG/KG					<0.0730	<0.0830	<0.0940	<0.0830		
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0730	<0.0830	<0.0940	<0.0830		
Ethyl Methanesulfonate	MG/KG					<0.0730	<0.0830	<0.0940	<0.0830		
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**2**	**0.0110 J**	**0.0150 J**	<0.0040	**0.57**	**0.28**
Fluorene	MG/KG		1.08E+02	8.50E-02		**0.08**	<0.0040	**0.0050 J**	<0.0040	**0.0310 J**	<0.0040
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040	<0.0040	<0.0050	<0.0040		

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28521099	28521100	28521101	P4S-0513-SWMU-054-1A-21-22	SS1113-SWMU54-1A-1-0.5	SS1113-SWMU54-1A-2-0.5
					Sample Name	BEL-S-SWMU54-1(0.5-1)	BEL-S-SWMU54-1(21-22)	BEL-S-SWMU54-1(31-32)			
					Date Sampled	11/07/2012	11/07/2012	11/07/2012	05/22/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	31 - 32	21 - 22	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Fill	Fill
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0180	<0.0210	<0.0240	<0.0210		
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.1800	<0.2100	<0.2400	<0.2100		
Hexachloroethane	MG/KG		4.00E-03			<0.0360	<0.0420	<0.0470	<0.0420		
Hexachloropropylene	MG/KG					<0.1100	<0.1300	<0.1400	<0.1300		
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**1.1**	<0.0040	**0.0050 J**	<0.0040	**0.48**	**0.24**
Isodrin	MG/KG					<0.0180	<0.0210	<0.0240	<0.0210		
Isophorone	MG/KG		5.20E-01			<0.0180	<0.0210	<0.0240	<0.0210		
Isosafrole	MG/KG					<0.0730	<0.0830	<0.0940	<0.0830		
Methapyrilene	MG/KG					<1.8	<2.1	<2.4	<2.1		
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0360	<0.0420	<0.0470	<0.0420		
Naphthalene	MG/KG		1.08E-02	1.20E+00		**1.2**	**0.0050 J**	**0.0100 J**	<0.0040	**0.26**	**0.21**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0730	<0.0830	<0.0940	<0.0830		
Nitrobenzene	MG/KG		1.84E-03			<0.0180	<0.0210	<0.0240	<0.0210		
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0730	<0.0830	<0.0940	<0.0830		
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0180	<0.0210	<0.0240	<0.0210		
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0730	<0.0830	<0.0940	<0.0830		
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0730	<0.0830	<0.0940	<0.0830		
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0180	<0.0210	<0.0240	<0.0210		
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0180	<0.0210	<0.0240	<0.0210		
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0730	<0.0830	<0.0940	<0.0830		
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0180	<0.0210	<0.0240	<0.0210		
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0180	<0.0210	<0.0240	<0.0210		
O,O,O-Triethylphosphorothioate	MG/KG					<0.0730	<0.0830	<0.0940	<0.0830		
O-Toluidine	MG/KG					<0.2200 UL	<0.2500 UL	<0.2800 UL	<0.2500		
para-Phenylenediamine	MG/KG		2.00E+01			<13.0	<15.0	<16.0	<15.0		
Pentachlorobenzene	MG/KG		4.80E-01			<0.0180	<0.0210	<0.0240	<0.0210		
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0730	<0.0830	<0.0940	<0.0830		
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0360	<0.0420	<0.0470	<0.0420		
Phenacetin	MG/KG		1.94E-01			<0.0730	<0.0830	<0.0940	<0.0830		
Phenanthrene	MG/KG			8.70E-01		**0.56**	**0.0110 J**	**0.0220 J**	**0.0070 J**	**0.19**	**0.24**
Phenol	MG/KG		6.60E+01			<0.0180	<0.0210	<0.0240	<0.0210		
Pyrene	MG/KG		2.60E+02	1.50E+00		**1.9**	**0.0080 J**	**0.0140 J**	<0.0040	**0.56**	**0.24**
Pyridine	MG/KG		1.36E-01			<0.0730	<0.0830	<0.0940	<0.0830		
Safrole	MG/KG		1.18E-03			<0.0730	<0.0830	<0.0940	<0.0830		
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0730	<0.0830	<0.0940	<0.0830		
Thionazin	MG/KG					<0.0730	<0.0830	<0.0940	<0.0830		

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28521099	28521100	28521101	P4S-0513-SWMU-054-1A-21-22	SS1113-SWMU54-1A-1-0.5	SS1113-SWMU54-1A-2-0.5
					Sample Name	BEL-S-SWMU54-1(0.5-1)	BEL-S-SWMU54-1(21-22)	BEL-S-SWMU54-1(31-32)			
					Date Sampled	11/07/2012	11/07/2012	11/07/2012	05/22/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	31 - 32	21 - 22	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Native Soil	Fill	Fill
Dimethoate	MG/KG		1.80E-02			<0.1800	<0.2100	<0.2400	<0.2100		
Pronamide	MG/KG		2.40E+01			<0.0360	<0.0420	<0.0470	<0.0420		
Inorganics											
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**4.67**	**0.121 J**	**0.150 J**			
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**13.1**	**7.03**	**5.36**			
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**171**	**157**	**146**			
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**0.789**	**1.12**	**1.17**			
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		**1.3**	**0.380 J**	**0.407 J**			
Chromium	MG/KG	3.60E+06		4.40E+01		**61**	**20.7**	**19.9**			
Cobalt	MG/KG		5.40E+00	2.23E+01		**10.8**	**13**	**12.9**			
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**105**	**17.3**	**17.5**			
Lead	MG/KG	2.80E+02		1.06E+02		**272**	**18.7**	**21.7**			
Mercury	MG/KG	2.00E+00		4.14E+00		**2.17**	**0.0331 J**	**0.0288 J**			
Nickel	MG/KG		5.20E+02	2.59E+01		**29.2**	**24.3**	**23.7**			
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.8**	**0.102 J**	**0.422 J**			
Silver	MG/KG		1.60E+01			**0.636 B**	**0.199 B**	<0.192			
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.167**	**0.236**	**0.284**			
Tin	MG/KG		6.00E+04			**4.19 B**	**2.77 B**	**4.01 B**			
Vanadium	MG/KG		1.72E+03	6.74E+01		**15**	**27.1**	**27.6**			
Zinc	MG/KG		7.40E+03	1.33E+02		**162**	**77.6**	**79.5**			
Miscellaneous											
Total Organic Carbon	MG/KG								**4110**		
Ammonia	MG/KG					<55.8000	**32.1000 J**		**149**		
Percent Moisture	%					**8.6**	**20**	**29.2**	**20.0 J**	**6.6 J**	**8.6 J**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL)
and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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					Field Sample ID	SS1113-SWMU54-1A-3-0.5	SS1113-SWMU54-1A-3-0.5-D	28600375	28600376	P4S-0513-SWMU-054-2-20-21	P4S-0513-SWMU-054-2-36-37
					Sample Name			BEL-S-SWMU54-2(3-4)	BEL-S-SWMU54-2(20-21)		
					Date Sampled	11/18/2013	11/18/2013	11/28/2012	11/28/2012	05/22/2013	05/22/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	3 - 4	20 - 21	20 - 21	36 - 37
					Sample Purpose	FS	DUP	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03					<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01					<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04					<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03					<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02					<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00					<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06					<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06					<0.0020 UL	<0.0020 UL	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05					<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00					<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04					<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03					<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG							<0.0010	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03					<0.0010	<0.0010	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01					<0.0030	<0.0030	<0.0030	<0.0030
Acetone	MG/KG		5.80E+01					**0.0340**	**0.0090 J**	**0.0080 J**	**0.0780**
Acetonitrile	MG/KG		5.20E-01					<0.0250	<0.0260	<0.0260	<0.0280
Acrolein	MG/KG		1.68E-04					<0.0200	<0.0210	<0.0210	<0.0220
Acrylonitrile	MG/KG		2.20E-04					<0.0040	<0.0040	<0.0040	<0.0040
Allyl Chloride	MG/KG		4.60E-03					<0.0010	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03					**0.0010 J**	<0.00050	<0.00050	<0.00060
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04					<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02					<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00					**0.0030 J**	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03					<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00					<0.0010	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04					<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03					<0.0010	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04					<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01					<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG							<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00					<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Chloride	MG/KG		1.18E+02					<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00					<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02					<0.0010	<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03							**2.5000 J**	**31**
Iodomethane	MG/KG							<0.0030	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01					<0.1000	<0.1000	<0.1000	<0.1100
Methacrylonitrile	MG/KG		8.60E-03					<0.0050	<0.0050	<0.0050	<0.0060
Methyl Bromide	MG/KG		3.80E-02					<0.0020	<0.0020	<0.0020	<0.0020
Methyl Chloride	MG/KG		9.80E-01					<0.0020	<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	MG/KG		2.40E+01					<0.0040	<0.0040	<0.0040	**0.018**
Methyl Isobutyl Ketone	MG/KG		5.60E+00					<0.0030	<0.0030	<0.0030	<0.0030

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1A-3	SWMU54-1A-3	SWMU54-2	SWMU54-2	SWMU54-2	SWMU54-2
					Field Sample ID	SS1113-SWMU54-1A-3-0.5	SS1113-SWMU54-1A-3-0.5-D	28600375	28600376	P4S-0513-SWMU-054-2-20-21	P4S-0513-SWMU-054-2-36-37
					Sample Name			BEL-S-SWMU54-2(3-4)	BEL-S-SWMU54-2(20-21)		
					Date Sampled	11/18/2013	11/18/2013	11/28/2012	11/28/2012	05/22/2013	05/22/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	3 - 4	20 - 21	20 - 21	36 - 37
					Sample Purpose	FS	DUP	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Native Soil	Native Soil	Native Soil
Methyl Methacrylate	MG/KG		6.00E+00					<0.0010	<0.0010	<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02					<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02					<0.0020	<0.0020	<0.0020	<0.0020
Pentachloroethane	MG/KG		6.20E-03					<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG							<0.0310	<0.0310	<0.0310	<0.0330
Styrene	MG/KG	2.20E+00	2.60E+01					**0.0030 J**	<0.0010	<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01					<0.0010	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01					**0.0020 J**	<0.0010	**0.0010 J**	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00					<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG							<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05					<0.0100	<0.0100	<0.0100	<0.0110
Trichloroethene	MG/KG	3.60E-02	3.60E-03					<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01					<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00					<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04					<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00					**0.0190**	<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01					<0.2	<0.0210	<0.0210	<0.0220
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02					<0.2	<0.0210	<0.0210	<0.0220
1,3,5-Trinitrobenzene	MG/KG		4.20E+01					<2.0	<0.2100	<0.2100	<0.2200
1,3-Dinitrobenzene	MG/KG		3.60E-02					<0.8200	<0.0830	<0.0850	<0.0890
1,4-Dioxane	MG/KG		1.88E-03					<1.2	<0.1200	<0.1300	<0.1300
1,4-Naphthoquinone	MG/KG							<10.0	<1.0	<1.1	<1.1
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01		**0.22**	**0.13**				
1-Naphthylamine	MG/KG							<2.0	<0.2100	<0.2100	<0.2200
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01					<0.8200	<0.0830	<0.0850	<0.0890
2,4,5-Trichlorophenol	MG/KG		8.80E+01					<0.2	<0.0210	<0.0210	<0.0220
2,4,6-Trichlorophenol	MG/KG		3.00E-01					<0.2	<0.0210	<0.0210	<0.0220
2,4-Dichlorophenol	MG/KG		1.08E+00					<0.2	<0.0210	<0.0210	<0.0220
2,4-Dimethylphenol	MG/KG		8.40E+00					<0.2	<0.0210	<0.0210	<0.0220
2,4-Dinitrophenol	MG/KG		8.80E-01					<3.7	<0.3700	<0.3800	<0.4
2,4-Dinitrotoluene	MG/KG		6.40E-03					<0.8200	<0.0830	<0.0850	<0.0890
2,6-Dichlorophenol	MG/KG							<0.2	<0.0210	<0.0210	<0.0220
2,6-Dinitrotoluene	MG/KG		1.34E-03					<0.2	<0.0210	<0.0210	<0.0220
2-Acetylaminofluorene	MG/KG		1.44E-03					<0.8200	<0.0830	<0.0850	<0.0890
2-Chloronaphthalene	MG/KG		7.60E+01					<0.0860	<0.0090	<0.0090	<0.0090
2-Chlorophenol	MG/KG		1.48E+00					<0.2	<0.0210	<0.0210	<0.0220
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.3**	**0.16**	**15**	<0.0040	<0.0040	**0.023**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01					<0.2	<0.0210	<0.0210	<0.0220
2-Naphthylamine	MG/KG		4.00E-03					<2.0 UL	<0.2100 UL	<0.2100	<0.2200
2-Nitroaniline	MG/KG		1.60E+00					<0.2	<0.0210	<0.0210	<0.0220
2-Nitrophenol	MG/KG							<0.2	<0.0210	<0.0210	<0.0220
2-Picoline	MG/KG							<1.2	<0.1200	<0.1300	<0.1300
3,3'-Dichlorobenzidine	MG/KG		1.62E-02					<1.2	<0.1200	<0.1300	<0.1300

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1A-3	SWMU54-1A-3	SWMU54-2	SWMU54-2	SWMU54-2	SWMU54-2
					Field Sample ID	SS1113-SWMU54-1A-3-0.5	SS1113-SWMU54-1A-3-0.5-D	28600375	28600376	P4S-0513-SWMU-054-2-20-21	P4S-0513-SWMU-054-2-36-37
					Sample Name			BEL-S-SWMU54-2(3-4)	BEL-S-SWMU54-2(20-21)		
					Date Sampled	11/18/2013	11/18/2013	11/28/2012	11/28/2012	05/22/2013	05/22/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	3 - 4	20 - 21	20 - 21	36 - 37
					Sample Purpose	FS	DUP	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Native Soil	Native Soil	Native Soil
3,3'-Dimethylbenzidine	MG/KG		8.60E-04					<6.1	<0.6200	<0.6400	<0.6700
3-Methylcholanthrene	MG/KG		4.40E-02					<0.2	<0.0210	<0.0210	<0.0220
3-Nitroaniline	MG/KG							<0.8200	<0.0830	<0.0850	<0.0890
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02					<2.0	<0.2100	<0.2100	<0.2200
4-Aminobiphenyl	MG/KG		3.00E-04					<2.0	<0.2100	<0.2100	<0.2200
4-Bromophenyl Phenyl Ether	MG/KG							<0.2	<0.0210	<0.0210	<0.0220
4-Chloro-3-Methylphenol	MG/KG		3.40E+01					<0.2	<0.0210	<0.0210	<0.0220
4-Chloroaniline	MG/KG		3.20E-03					<0.2	<0.0210	<0.0210	<0.0220
4-Chlorophenyl Phenyl Ether	MG/KG							<0.2	<0.0210	<0.0210	<0.0220
4-Dimethylaminoazobenzene	MG/KG		4.20E-04					<0.8200	<0.0830	<0.0850	<0.0890
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01					<0.2	<0.0210	<0.0210	<0.0220
4-Nitroaniline	MG/KG		3.20E-02					<0.8200	<0.0830	<0.0850	<0.0890
4-Nitrophenol	MG/KG							<2.0	<0.2100	<0.2100	<0.2200
4-Nitroquinoline-N-Oxide	MG/KG							<4.1	<0.4100	<0.4300	<0.4500
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02					<2.0	<0.2100	<0.2100	<0.2200
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03					<0.2	<0.0210	<0.0210	<0.0220
Acenaphthene	MG/KG		1.10E+02	3.40E-02		**0.0420 J**	<0.0040	**30**	<0.0040	<0.0040	<0.0040
Acenaphthylene	MG/KG			3.10E-01		**0.6900 J**	**0.66**	**3.5**	**0.0080 J**	<0.0040	<0.0040
Acetophenone	MG/KG		1.16E+01					**0.2400 J**	<0.0210	<0.0210	<0.0220
Aniline	MG/KG		9.20E-02					<2.0	<0.2100	<0.2100	<0.2200
Anthracene	MG/KG		1.16E+03	4.40E-01		**0.78**	**0.49**	**25**	<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**3.4 J**	**1.7 J**	**15**	<0.0040	**0.0060 J**	**0.0120 J**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**4.3 J**	**1.9 J**	**11**	**0.0060 J**	**0.0130 J**	**0.061**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**2.3 J**	**1.0 J**	**5.8**	<0.0040	**0.0060 J**	**0.029**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**2.2 J**	**0.6900 J**	**4.2**	<0.0040	<0.0040	**0.0120 J**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**3.9 J**	**1.5 J**	**10**	<0.0040	**0.0070 J**	**0.0180 J**
Benzyl Alcohol	MG/KG		9.60E+00					<2.0	<0.2100	<0.2100	<0.2200
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01					<0.2	<0.0210	<0.0210	<0.0220
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05					<0.2	<0.0210	<0.0210	<0.0220
Bis(2-Chloroisopropyl)Ether	MG/KG							<0.2	<0.0210	<0.0210	<0.0220
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01					<0.8200	<0.0830	<0.0850	<0.0890
Butyl Benzyl Phthalate	MG/KG		4.60E+00					<0.8200	<0.0830	<0.0850	<0.0890
Chlorobenzilate	MG/KG		2.00E-02					<0.4100	<0.0410	<0.0430	<0.0450
Chrysene	MG/KG		2.40E+01	1.50E+00		**3.4 J**	**1.4 J**	**15**	**0.0060 J**	**0.0120 J**	**0.041**
Diallate	MG/KG		1.56E-02					<0.4100	<0.0410	<0.0430	<0.0450
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		**0.8500 J**	**0.3 J**	**1.7**	<0.0040	<0.0040	**0.0100 J**
Dibenzofuran	MG/KG		3.00E+00					**9.6**	<0.0210	<0.0210	<0.0220
Diethyl Phthalate	MG/KG		1.22E+02					<0.8200	<0.0830	<0.0850	<0.0890
Dimethyl Phthalate	MG/KG							<0.8200	<0.0830	<0.0850	<0.0890
Di-N-Butyl Phthalate	MG/KG		4.60E+01					<0.8200	<0.0830	<0.0850	<0.0890
Ethyl Methanesulfonate	MG/KG							<0.8200	<0.0830	<0.0850	<0.0890
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**4.0 J**	**2.3 J**	**31**	<0.0040	**0.0120 J**	**0.0090 J**
Fluorene	MG/KG		1.08E+02	8.50E-02		**0.13**	**0.12**	**36**	<0.0040	<0.0040	**0.0050 J**
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03					<0.0410	<0.0040	<0.0040	<0.0040

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1A-3	SWMU54-1A-3	SWMU54-2	SWMU54-2	SWMU54-2	SWMU54-2
					Field Sample ID	SS1113-SWMU54-1A-3-0.5	SS1113-SWMU54-1A-3-0.5-D	28600375	28600376	P4S-0513-SWMU-054-2-20-21	P4S-0513-SWMU-054-2-36-37
					Sample Name			BEL-S-SWMU54-2(3-4)	BEL-S-SWMU54-2(20-21)		
					Date Sampled	11/18/2013	11/18/2013	11/28/2012	11/28/2012	05/22/2013	05/22/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	3 - 4	20 - 21	20 - 21	36 - 37
					Sample Purpose	FS	DUP	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Native Soil	Native Soil	Native Soil
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20								
Hexachlorobutadiene	MG/KG		5.20E-03					<0.2	<0.0210	<0.0210	<0.0220
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02					<2.0	<0.2100	<0.2100	<0.2200
Hexachloroethane	MG/KG		4.00E-03					<0.4100	<0.0410	<0.0430	<0.0450
Hexachloropropylene	MG/KG							<1.2	<0.1200	<0.1300	<0.1300
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**2.1 J**	**0.8700 J**	**4.5**	<0.0040	<0.0040	**0.0130 J**
Isodrin	MG/KG							<0.2	<0.0210	<0.0210	<0.0220
Isophorone	MG/KG		5.20E-01					<0.2	<0.0210	<0.0210	<0.0220
Isosafrole	MG/KG							<0.8200	<0.0830	<0.0850	<0.0890
Methapyrilene	MG/KG							<20.0	<2.1	<2.1	<2.2
Methyl Methanesulfonate	MG/KG		3.20E-03					<0.4100	<0.0410	<0.0430	<0.0450
Naphthalene	MG/KG		1.08E-02	1.20E+00		**1.1 J**	**0.3900 J**	**4.2**	<0.0040	<0.0040	**0.0150 J**
N-Dioctyl Phthalate	MG/KG		1.14E+03					<0.8200	<0.0830	<0.0850	<0.0890
Nitrobenzene	MG/KG		1.84E-03					<0.2	<0.0210	<0.0210	<0.0220
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06					<0.8200	<0.0830	<0.0850	<0.0890
N-Nitrosodiethylamine	MG/KG		1.20E-06					<0.2	<0.0210	<0.0210	<0.0220
N-Nitrosodimethylamine	MG/KG		5.50E-07					<0.8200	<0.0830	<0.0850	<0.0890
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04					<0.8200	<0.0830	<0.0850	<0.0890
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04					<0.2	<0.0210	<0.0210	<0.0220
N-Nitrosodiphenylamine	MG/KG		1.32E+00					**4.7**	<0.0210	<0.0210	<0.0220
N-Nitrosomorpholine	MG/KG		5.60E-05					<0.8200	<0.0830	<0.0850	<0.0890
N-Nitrosopiperidine	MG/KG		8.80E-05					<0.2	<0.0210	<0.0210	<0.0220
N-Nitrosopyrrolidine	MG/KG		2.80E-04					<0.2	<0.0210	<0.0210	<0.0220
O,O,O-Triethylphosphorothioate	MG/KG							<0.8200	<0.0830	<0.0850	<0.0890
O-Toluidine	MG/KG							<2.4	<0.2500	<0.2600	<0.2700
para-Phenylenediamine	MG/KG		2.00E+01					<140.0	<14.0	<15.0	<16.0
Pentachlorobenzene	MG/KG		4.80E-01					<0.2	<0.0210	<0.0210	<0.0220
Pentachloronitrobenzene	MG/KG		2.80E-02					<0.8200	<0.0830	<0.0850	<0.0890
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03					<0.4100	<0.0410	<0.0430	<0.0450
Phenacetin	MG/KG		1.94E-01					<0.8200	<0.0830	<0.0850	<0.0890
Phenanthrene	MG/KG			8.70E-01		**1.6 J**	**1**	**120**	**0.0130 J**	**0.0150 J**	**0.05**
Phenol	MG/KG		6.60E+01					<0.2	<0.0210	<0.0210	<0.0220
Pyrene	MG/KG		2.60E+02	1.50E+00		**3.4 J**	**2.2**	**45**	**0.0060 J**	**0.0120 J**	**0.0150 J**
Pyridine	MG/KG		1.36E-01					<0.8200	<0.0830	<0.0850	<0.0890
Safrole	MG/KG		1.18E-03					<0.8200	<0.0830	<0.0850	<0.0890
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01					<0.8200	<0.0830	<0.0850	<0.0890
Thionazin	MG/KG							<0.8200	<0.0830	<0.0850	<0.0890

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-1A-3	SWMU54-1A-3	SWMU54-2	SWMU54-2	SWMU54-2	SWMU54-2
					Field Sample ID	SS1113-SWMU54-1A-3-0.5	SS1113-SWMU54-1A-3-0.5-D	28600375	28600376	P4S-0513-SWMU-054-2-20-21	P4S-0513-SWMU-054-2-36-37
					Sample Name			BEL-S-SWMU54-2(3-4)	BEL-S-SWMU54-2(20-21)		
					Date Sampled	11/18/2013	11/18/2013	11/28/2012	11/28/2012	05/22/2013	05/22/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	3 - 4	20 - 21	20 - 21	36 - 37
					Sample Purpose	FS	DUP	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Native Soil	Native Soil	Native Soil
Dimethoate	MG/KG		1.80E-02					<2.0 UL	<0.2100 UL	<0.2100	<0.2200
Pronamide	MG/KG		2.40E+01					<0.4100	<0.0410	<0.0430	<0.0450
Inorganics											
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00				**23.9**	**0.170 J**		
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01				**9.33**	**7.62**		
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02				**284**	**127**		
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00				**1.26**	**1.15**		
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00				<0.0404	<0.0404		
Chromium	MG/KG	3.60E+06		4.40E+01				**41.5 K**	**20.4 K**		
Cobalt	MG/KG		5.40E+00	2.23E+01				**11.1**	**13**		
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01				**40.1**	**17.2**		
Lead	MG/KG	2.80E+02		1.06E+02				**505**	**17**		
Mercury	MG/KG	2.00E+00		4.14E+00				**0.189**	**0.0355 J**		
Nickel	MG/KG		5.20E+02	2.59E+01				**23.8**	**19.7**		
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00				**1.49**	**0.209 J**		
Silver	MG/KG		1.60E+01					<0.171	<0.172		
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01				**0.232**	**0.199**		
Tin	MG/KG		6.00E+04					**2.85 B**	**2.50 B**		
Vanadium	MG/KG		1.72E+03	6.74E+01				**30**	**30.8**		
Zinc	MG/KG		7.40E+03	1.33E+02				**100**	**66.2**		
Miscellaneous											
Total Organic Carbon	MG/KG									**2940**	**18600**
Ammonia	MG/KG							**40.9000 J**	**186**	<21.7000	**63.7000 J**
Percent Moisture	%					**15.1 J**	**14.1 J**	**18.3**	**19.2**	**21.8 J**	**25.2 J**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL)
and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-2-1	SWMU54-2-1	SWMU54-2-2	SWMU54-2-2	SWMU54-2-3	SWMU54-2-3
					Field Sample ID	SS1113-SWMU54-2-1-0.5	SS1113-SWMU54-2-1-3	SS1113-SWMU54-2-2-0.5	SS1113-SWMU54-2-2-3	SS1113-SWMU54-2-3-0.5	SS1113-SWMU54-2-3-8
					Sample Name						
					Date Sampled	11/18/2013	11/18/2013	11/18/2013	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	3 - 4	0.5 - 1	3 - 4	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03								
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01								
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04								
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03								
1,1-Dichloroethane	MG/KG		1.56E-02								
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00								
1,2,3-Trichloropropane	MG/KG		6.40E-06								
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06								
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05								
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00								
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04								
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03								
1,3-Dichlorobenzene	MG/KG										
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03								
2-Hexanone	MG/KG		1.76E-01								
Acetone	MG/KG		5.80E+01								
Acetonitrile	MG/KG		5.20E-01								
Acrolein	MG/KG		1.68E-04								
Acrylonitrile	MG/KG		2.20E-04								
Allyl Chloride	MG/KG		4.60E-03								
Benzene	MG/KG	5.20E-02	4.60E-03								
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04								
Bromoform	MG/KG	4.20E-01	1.74E-02								
Carbon Disulfide	MG/KG		4.80E+00								
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03								
Chlorobenzene	MG/KG	1.36E+00	1.06E+00								
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04								
Chloroform	MG/KG	4.40E-01	1.22E-03								
Chloroprene	MG/KG		1.96E-04								
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01								
cis-1,3-Dichloropropene	MG/KG										
Dichlorodifluoromethane	MG/KG		6.00E+00								
Ethyl Chloride	MG/KG		1.18E+02								
Ethyl Methacrylate	MG/KG		2.20E+00								
Ethylbenzene	MG/KG	1.56E+01	3.40E-02								
Formaldehyde	MG/KG		1.74E-03								
Iodomethane	MG/KG										
Isobutyl Alcohol	MG/KG		2.40E+01								
Methacrylonitrile	MG/KG		8.60E-03								
Methyl Bromide	MG/KG		3.80E-02								
Methyl Chloride	MG/KG		9.80E-01								
Methyl Ethyl Ketone	MG/KG		2.40E+01								
Methyl Isobutyl Ketone	MG/KG		5.60E+00								

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU54-2-1	SWMU54-2-1	SWMU54-2-2	SWMU54-2-2	SWMU54-2-3	SWMU54-2-3
					Field Sample ID	SS1113-SWMU54-2-1-0.5	SS1113-SWMU54-2-1-3	SS1113-SWMU54-2-2-0.5	SS1113-SWMU54-2-2-3	SS1113-SWMU54-2-3-0.5	SS1113-SWMU54-2-3-8
					Sample Name						
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Date Sampled	11/18/2013	11/18/2013	11/18/2013	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	3 - 4	0.5 - 1	3 - 4	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill
Methyl Methacrylate	MG/KG		6.00E+00								
Methylene Bromide	MG/KG		4.00E-02								
Methylene Chloride	MG/KG	2.60E-02	5.82E-02								
Pentachloroethane	MG/KG		6.20E-03								
Propionitrile	MG/KG										
Styrene	MG/KG	2.20E+00	2.60E+01								
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01								
Toluene	MG/KG	1.38E+01	1.52E+01								
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00								
trans-1,3-Dichloropropene	MG/KG										
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05								
Trichloroethene	MG/KG	3.60E-02	3.60E-03								
Trichlorofluoromethane	MG/KG		1.46E+01								
Vinyl Acetate	MG/KG		1.74E+00								
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04								
Xylenes	MG/KG	1.96E+02	3.80E+00								
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01								
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02								
1,3,5-Trinitrobenzene	MG/KG		4.20E+01								
1,3-Dinitrobenzene	MG/KG		3.60E-02								
1,4-Dioxane	MG/KG		1.88E-03								
1,4-Naphthoquinone	MG/KG										
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01		**0.19**	**0.22**	**2.4**	**0.13**	**0.14**	**0.039**
1-Naphthylamine	MG/KG										
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01								
2,4,5-Trichlorophenol	MG/KG		8.80E+01								
2,4,6-Trichlorophenol	MG/KG		3.00E-01								
2,4-Dichlorophenol	MG/KG		1.08E+00								
2,4-Dimethylphenol	MG/KG		8.40E+00								
2,4-Dinitrophenol	MG/KG		8.80E-01								
2,4-Dinitrotoluene	MG/KG		6.40E-03								
2,6-Dichlorophenol	MG/KG										
2,6-Dinitrotoluene	MG/KG		1.34E-03								
2-Acetylaminofluorene	MG/KG		1.44E-03								
2-Chloronaphthalene	MG/KG		7.60E+01								
2-Chlorophenol	MG/KG		1.48E+00								
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.24**	**0.27**	**3.7**	**0.19**	**0.19**	**0.055**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01								
2-Naphthylamine	MG/KG		4.00E-03								
2-Nitroaniline	MG/KG		1.60E+00								
2-Nitrophenol	MG/KG										
2-Picoline	MG/KG										
3,3'-Dichlorobenzidine	MG/KG		1.62E-02								

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	SS1113-SWMU54-2-1-0.5	SS1113-SWMU54-2-1-3	SS1113-SWMU54-2-2-0.5	SS1113-SWMU54-2-2-3	SS1113-SWMU54-2-3-0.5	SS1113-SWMU54-2-3-8
					Sample Name						
					Date Sampled	11/18/2013	11/18/2013	11/18/2013	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	3 - 4	0.5 - 1	3 - 4	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill
3,3'-Dimethylbenzidine	MG/KG		8.60E-04								
3-Methylcholanthrene	MG/KG		4.40E-02								
3-Nitroaniline	MG/KG										
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02								
4-Aminobiphenyl	MG/KG		3.00E-04								
4-Bromophenyl Phenyl Ether	MG/KG										
4-Chloro-3-Methylphenol	MG/KG		3.40E+01								
4-Chloroaniline	MG/KG		3.20E-03								
4-Chlorophenyl Phenyl Ether	MG/KG										
4-Dimethylaminoazobenzene	MG/KG		4.20E-04								
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01								
4-Nitroaniline	MG/KG		3.20E-02								
4-Nitrophenol	MG/KG										
4-Nitroquinoline-N-Oxide	MG/KG										
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02								
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03								
Acenaphthene	MG/KG		1.10E+02	3.40E-02		**0.0420 J**	<0.0040	**1.5**	**0.14**	**0.0830 J**	**0.021**
Acenaphthylene	MG/KG			3.10E-01		**0.95**	**0.094**	**78**	**0.28**	**1.7**	**0.24**
Acetophenone	MG/KG		1.16E+01								
Aniline	MG/KG		9.20E-02								
Anthracene	MG/KG		1.16E+03	4.40E-01		**1.4**	**0.095**	**110**	**0.41**	**1.6**	**0.43**
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**3.3**	**0.18**	**300**	**0.9**	**1.3**	**0.64**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**4**	**0.25**	**290**	**0.87**	**0.81**	**0.54**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**2.3**	**0.14**	**160**	**0.37**	**2.3**	**0.26**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**1.4**	**0.082**	**140**	**0.29**	**0.77**	**0.24**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**2.9**	**0.17**	**250**	**0.59**	**1.9**	**0.5**
Benzyl Alcohol	MG/KG		9.60E+00								
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01								
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05								
Bis(2-Chloroisopropyl)Ether	MG/KG										
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01								
Butyl Benzyl Phthalate	MG/KG		4.60E+00								
Chlorobenzilate	MG/KG		2.00E-02								
Chrysene	MG/KG		2.40E+01	1.50E+00		**3.3**	**0.24**	**260**	**0.76**	**1.3**	**0.57**
Diallate	MG/KG		1.56E-02								
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		**0.59**	**0.031**	**45**	**0.12**	**0.47**	**0.079**
Dibenzofuran	MG/KG		3.00E+00								
Diethyl Phthalate	MG/KG		1.22E+02								
Dimethyl Phthalate	MG/KG										
Di-N-Butyl Phthalate	MG/KG		4.60E+01								
Ethyl Methanesulfonate	MG/KG										
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**6.6**	**0.31**	**680**	**0.92**	**1.7**	**1.2**
Fluorene	MG/KG		1.08E+02	8.50E-02		**0.33**	<0.0040	**33**	**0.31**	<0.0210	**0.22**
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03								

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					Field Sample ID	SS1113-SWMU54-2-1-0.5	SS1113-SWMU54-2-1-3	SS1113-SWMU54-2-2-0.5	SS1113-SWMU54-2-2-3	SS1113-SWMU54-2-3-0.5	SS1113-SWMU54-2-3-8
					Sample Name						
					Date Sampled	11/18/2013	11/18/2013	11/18/2013	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	3 - 4	0.5 - 1	3 - 4	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20								
Hexachlorobutadiene	MG/KG		5.20E-03								
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02								
Hexachloroethane	MG/KG		4.00E-03								
Hexachloropropylene	MG/KG										
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**1.9**	**0.1**	**140**	**0.31**	**1.5**	**0.22**
Isodrin	MG/KG										
Isophorone	MG/KG		5.20E-01								
Isosafrole	MG/KG										
Methapyrilene	MG/KG										
Methyl Methanesulfonate	MG/KG		3.20E-03								
Naphthalene	MG/KG		1.08E-02	1.20E+00		**1.8**	**0.19**	**11**	**0.13**	**0.17**	**0.072**
N-Dioctyl Phthalate	MG/KG		1.14E+03								
Nitrobenzene	MG/KG		1.84E-03								
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06								
N-Nitrosodiethylamine	MG/KG		1.20E-06								
N-Nitrosodimethylamine	MG/KG		5.50E-07								
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04								
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04								
N-Nitrosodiphenylamine	MG/KG		1.32E+00								
N-Nitrosomorpholine	MG/KG		5.60E-05								
N-Nitrosopiperidine	MG/KG		8.80E-05								
N-Nitrosopyrrolidine	MG/KG		2.80E-04								
O,O,O-Triethylphosphorothioate	MG/KG										
O-Toluidine	MG/KG										
para-Phenylenediamine	MG/KG		2.00E+01								
Pentachlorobenzene	MG/KG		4.80E-01								
Pentachloronitrobenzene	MG/KG		2.80E-02								
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03								
Phenacetin	MG/KG		1.94E-01								
Phenanthrene	MG/KG			8.70E-01		**3.5**	**0.67**	**330**	**2**	**1.2**	**1.2**
Phenol	MG/KG		6.60E+01								
Pyrene	MG/KG		2.60E+02	1.50E+00		**5.6**	**0.28**	**550**	**1**	**1.9**	**1**
Pyridine	MG/KG		1.36E-01								
Safrole	MG/KG		1.18E-03								
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01								
Thionazin	MG/KG										

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					Field Sample ID	SS1113-SWMU54-2-1-0.5	SS1113-SWMU54-2-1-3	SS1113-SWMU54-2-2-0.5	SS1113-SWMU54-2-2-3	SS1113-SWMU54-2-3-0.5	SS1113-SWMU54-2-3-8
					Sample Name						
					Date Sampled	11/18/2013	11/18/2013	11/18/2013	11/18/2013	11/18/2013	11/18/2013
					Start Depth - End Depth	0.5 - 1	3 - 4	0.5 - 1	3 - 4	0.5 - 1	8 - 9
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20								
Dimethoate	MG/KG		1.80E-02								
Pronamide	MG/KG		2.40E+01								
Inorganics											
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00							
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01							
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02							
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00							
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00							
Chromium	MG/KG	3.60E+06		4.40E+01							
Cobalt	MG/KG		5.40E+00	2.23E+01							
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01							
Lead	MG/KG	2.80E+02		1.06E+02							
Mercury	MG/KG	2.00E+00		4.14E+00							
Nickel	MG/KG		5.20E+02	2.59E+01							
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00							
Silver	MG/KG		1.60E+01								
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01							
Tin	MG/KG		6.00E+04								
Vanadium	MG/KG		1.72E+03	6.74E+01							
Zinc	MG/KG		7.40E+03	1.33E+02							
Miscellaneous											
Total Organic Carbon	MG/KG										
Ammonia	MG/KG										
Percent Moisture	%					**15.5 J**	**19.3 J**	**13.9 J**	**19.6 J**	**19.0 J**	**17.9 J**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL)
and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	148-3DO	148-3DO	148-3SO	148-3SO	148-4DO	148-4SO	148-5DO	148-5SO	148-6DO
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-148-3DO-Z	P41014-148-3DO-Z-D	P41014-148-3SO	P41014-148-3SO-D	P41014-148-4DO-Z	P41014-148-4SO	P41014-148-5DO-Z	P41014-148-5SO	P41014-148-6DO-Z
					Sample Name									
					Date Sampled	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/10/2014	11/10/2014	11/10/2014	11/10/2014	11/10/2014
					Sample Purpose	FS	DUP	FS	DUP	FS	FS	FS	FS	FS
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01				<0.5	<0.5		<0.5		<0.5	
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02				<0.5	<0.5		<0.5		<0.5	
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02				<0.5	<0.5		<0.5		<0.5	
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02				<0.5	<0.5		<0.5		<0.5	
1,1-Dichloroethane	N	UG/L		2.70E+00				<0.5	<0.5		<0.5		<0.5	
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01				<0.5	<0.5		<0.5		<0.5	
1,2,3-Trichloropropane	N	UG/L		7.50E-04				<1	<1		<1		<1	
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04				<2	<2		<2		<2	
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03				<0.5	<0.5		<0.5		<0.5	
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01										
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01				<0.5	<0.5		<0.5		<0.5	
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01				<0.5	<0.5		<0.5		<0.5	
1,3-Dichlorobenzene	N	UG/L												
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01										
2-Hexanone	N	UG/L		3.80E+00				<3	<3		<3		<3	
Acetone	N	UG/L		1.40E+03				<6 UL	<6		<6		<6	
Acetonitrile	N	UG/L		1.30E+01				<25	<25		<25		<25	
Acrolein	N	UG/L		4.20E-03				<40	<40		<40		<40	
Acrylonitrile	N	UG/L		5.20E-02				<4	<4		<4		<4	
Allyl Chloride	N	UG/L		2.10E-01				<1	<1		<1		<1	
Benzene	N	UG/L	5.00E+00	4.50E-01				<0.5	<0.5		<0.5		<0.5	
Bromodichloromethane	N	UG/L		1.30E-01				<0.5	<0.5		<0.5		<0.5	
Bromoform	N	UG/L		3.30E+00				<0.5	<0.5		<0.5		<0.5	
Carbon Disulfide	N	UG/L		8.10E+01				<1	<1		<1		<1	
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01				<0.5	<0.5		<0.5		<0.5	
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00				<0.5	<0.5		<0.5		<0.5	
Chlorodibromomethane	N	UG/L		1.70E-01				<0.5	<0.5		<0.5		<0.5	
Chloroform	N	UG/L		2.20E-01				<0.5	<0.5		<0.5		<0.5	
Chloroprene	N	UG/L		1.90E-02				<1	<1		<1		<1	
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00				<0.5	<0.5		<0.5		<0.5	
cis-1,3-Dichloropropene	N	UG/L						<0.5	<0.5		<0.5		<0.5	
Dichlorodifluoromethane	N	UG/L		2.00E+01				<0.5	<0.5		<0.5		<0.5	
Ethyl Chloride	N	UG/L		2.10E+03				<0.5 UL	<0.5		<0.5		<0.5	
Ethyl Methacrylate	N	UG/L		4.60E+01				<1	<1		<1		<1	
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00				<0.5	<0.5		<0.5		<0.5	
Formaldehyde	N	UG/L		4.30E-01										
Formaldehyde	Y	UG/L		4.30E-01		**29 B**	**27 B**			**39 J**		**26 J**		<200
Iodomethane	N	UG/L						<0.5	<0.5		<0.5		<0.5	
Isobutyl Alcohol	N	UG/L		5.90E+02				<100	<100		<100		<100	
Methacrylonitrile	N	UG/L		1.90E-01				<10	<10		<10		<10	
Methyl Bromide	N	UG/L		7.50E-01				<0.5 UL	<0.5		<0.5		<0.5	
Methyl Chloride	N	UG/L		1.90E+01				<0.5	<0.5		<0.5		<0.5	
Methyl Ethyl Ketone	N	UG/L		5.60E+02				<3	<3		<3		<3	

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	148-3DO	148-3DO	148-3SO	148-3SO	148-4DO	148-4SO	148-5DO	148-5SO	148-6DO
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-148-3DO-Z	P41014-148-3DO-Z-D	P41014-148-3SO	P41014-148-3SO-D	P41014-148-4DO-Z	P41014-148-4SO	P41014-148-5DO-Z	P41014-148-5SO	P41014-148-6DO-Z
					Sample Name									
					Date Sampled	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/10/2014	11/10/2014	11/10/2014	11/10/2014	11/10/2014
					Sample Purpose	FS	DUP	FS	DUP	FS	FS	FS	FS	FS
Methyl Isobutyl Ketone	N	UG/L		1.20E+02				<3	<3		<3		<3	
Methyl Methacrylate	N	UG/L		1.40E+02				<1	<1		<1		<1	
Methylene Bromide	N	UG/L		8.00E-01				<0.5	<0.5		<0.5		<0.5	
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01				<2	<2		<2		<2	
Pentachloroethane	N	UG/L		6.40E-01				<1	<1		<1		<1	
Propionitrile	N	UG/L						<30	<30		<30		<30	
Styrene	N	UG/L	1.00E+02	1.20E+02				<1	<1		<1		<1	
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00				<0.5	<0.5		<0.5		<0.5	
Toluene	N	UG/L	1.00E+03	1.10E+02				<0.5	<0.5		<0.5		<0.5	
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01				<0.5	<0.5		<0.5		<0.5	
trans-1,3-Dichloropropene	N	UG/L						<0.5	<0.5		<0.5		<0.5	
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03				<15	<15		<15		<15	
Trichloroethene	N	UG/L	5.00E+00	2.80E-01				<0.5	<0.5		<0.5		<0.5	
Trichlorofluoromethane	N	UG/L		1.10E+02				<0.5	<0.5		<0.5		<0.5	
Vinyl Acetate	N	UG/L		4.10E+01				<2	<2		<2		<2	
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02				<0.5	<0.5		<0.5		<0.5	
Xylenes	N	UG/L	1.00E+04	1.90E+01				<0.5	<0.5		<0.5		<0.5	
Semi-Volatile Organic Compounds														
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01										
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01										
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01										
1,3-Dinitrobenzene	N	UG/L		2.00E-01										
1,4-Dioxane	N	UG/L		4.60E-01				<1	<1		<1		<1	
1,4-Dioxane	Y	UG/L		4.60E-01		<1	<1			**4 J**		**1 J**		**13**
1,4-Naphthoquinone	N	UG/L												
1-Naphthylamine	N	UG/L												
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01										
2,4,5-Trichlorophenol	N	UG/L		1.20E+02										
2,4,6-Trichlorophenol	N	UG/L		1.20E+00										
2,4-Dichlorophenol	N	UG/L		4.60E+00										
2,4-Dimethylphenol	N	UG/L		3.60E+01										
2,4-Dinitrophenol	N	UG/L		3.90E+00										
2,4-Dinitrotoluene	N	UG/L		2.40E-01										
2,6-Dichlorophenol	N	UG/L												
2,6-Dinitrotoluene	N	UG/L		4.80E-02										
2-Acetylaminofluorene	N	UG/L		1.60E-02										
2-Chloronaphthalene	N	UG/L		7.50E+01										
2-Chlorophenol	N	UG/L		9.10E+00										
2-Methylnaphthalene	N	UG/L		3.60E+00										
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01										
2-Naphthylamine	N	UG/L		3.90E-02										
2-Nitroaniline	N	UG/L		1.90E+01										
2-Nitrophenol	N	UG/L												
2-Picoline	N	UG/L												

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	148-3DO	148-3DO	148-3SO	148-3SO	148-4DO	148-4SO	148-5DO	148-5SO	148-6DO
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-148-3DO-Z	P41014-148-3DO-Z-D	P41014-148-3SO	P41014-148-3SO-D	P41014-148-4DO-Z	P41014-148-4SO	P41014-148-5DO-Z	P41014-148-5SO	P41014-148-6DO-Z
					Sample Name									
					Date Sampled	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/10/2014	11/10/2014	11/10/2014	11/10/2014	11/10/2014
					Sample Purpose	FS	DUP	FS	DUP	FS	FS	FS	FS	FS
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01										
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03										
3-Methylcholanthrene	N	UG/L		1.10E-03										
3-Nitroaniline	N	UG/L												
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01										
4-Aminobiphenyl	N	UG/L		3.00E-03										
4-Bromophenyl Phenyl Ether	N	UG/L												
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02										
4-Chloroaniline	N	UG/L		3.60E-01										
4-Chlorophenyl Phenyl Ether	N	UG/L												
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03										
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02										
4-Nitroaniline	N	UG/L		3.80E+00										
4-Nitrophenol	N	UG/L												
4-Nitroquinoline-N-Oxide	N	UG/L												
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00										
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04										
Acenaphthene	N	UG/L		5.30E+01										
Acenaphthylene	N	UG/L		5.30E+01										
Acetophenone	N	UG/L		1.90E+02										
Aniline	N	UG/L		1.30E+01										
Anthracene	N	UG/L		1.80E+02										
Benzo(A)Anthracene	N	UG/L		1.20E-02										
Benzo(B)Fluoranthene	N	UG/L		3.40E-02										
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01										
Benzo(K)Fluoranthene	N	UG/L		3.40E-01										
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03										
Benzyl Alcohol	N	UG/L		2.00E+02										
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00										
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02										
Bis(2-Chloroisopropyl)Ether	N	UG/L												
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00										
Butyl Benzyl Phthalate	N	UG/L		1.60E+01										
Chlorobenzilate	N	UG/L		3.10E-01										
Chrysene	N	UG/L		3.40E+00										
Diallate	N	UG/L		5.20E-01										
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03										
Dibenzofuran	N	UG/L		7.90E-01										
Diethyl Phthalate	N	UG/L		1.50E+03										
Dimethyl Phthalate	N	UG/L												
Di-N-Butyl Phthalate	N	UG/L		9.00E+01										
Ethyl Methanesulfonate	N	UG/L												
Fluoranthene	N	UG/L		8.00E+01										
Fluorene	N	UG/L		2.90E+01										

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	148-3DO	148-3DO	148-3SO	148-3SO	148-4DO	148-4SO	148-5DO	148-5SO	148-6DO
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-148-3DO-Z	P41014-148-3DO-Z-D	P41014-148-3SO	P41014-148-3SO-D	P41014-148-4DO-Z	P41014-148-4SO	P41014-148-5DO-Z	P41014-148-5SO	P41014-148-6DO-Z
					Sample Name									
					Date Sampled	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/10/2014	11/10/2014	11/10/2014	11/10/2014	11/10/2014
					Sample Purpose	FS	DUP	FS	DUP	FS	FS	FS	FS	FS
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03										
Hexachlorobutadiene	N	UG/L		1.40E-01										
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02										
Hexachloroethane	N	UG/L		3.30E-01										
Hexachloropropylene	N	UG/L												
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02										
Isodrin	N	UG/L												
Isophorone	N	UG/L		7.80E+01										
Isosafrole	N	UG/L												
Methapyrilene	N	UG/L												
Methyl Methanesulfonate	N	UG/L		7.90E-01										
Naphthalene	N	UG/L		1.70E-01										
Naphthalene	Y	UG/L		1.70E-01				<0.1	<0.1		**0.4 J**		**0.1 J**	
N-Dioctyl Phthalate	N	UG/L		2.00E+01										
Nitrobenzene	N	UG/L		1.40E-01										
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04										
N-Nitrosodiethylamine	N	UG/L		1.70E-04										
N-Nitrosodimethylamine	N	UG/L		1.10E-04										
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03										
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02										
N-Nitrosodiphenylamine	N	UG/L		1.20E+01										
N-Nitrosomorpholine	N	UG/L		1.20E-02										
N-Nitrosopiperidine	N	UG/L		8.20E-03										
N-Nitrosopyrrolidine	N	UG/L		3.70E-02										
O,O,O-Triethylphosphorothioate	N	UG/L												
O-Toluidine	N	UG/L												
para-Phenylenediamine	N	UG/L		3.80E+02										
Pentachlorobenzene	N	UG/L		3.20E-01										
Pentachloronitrobenzene	N	UG/L		1.20E-01										
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02										
Phenacetin	N	UG/L		3.40E+01										
Phenanthrene	N	UG/L		1.80E+02										
Phenol	N	UG/L		5.80E+02										
Pyrene	N	UG/L		1.20E+01										
Pyridine	N	UG/L		2.00E+00										
Safrole	N	UG/L		9.50E-02										
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01										
Thionazin	N	UG/L												
Dimethoate	N	UG/L		4.00E-01										
Pronamide	N	UG/L		1.20E+02										

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	148-3DO	148-3DO	148-3SO	148-3SO	148-4DO	148-4SO	148-5DO	148-5SO	148-6DO
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-148-3DO-Z	P41014-148-3DO-Z-D	P41014-148-3SO	P41014-148-3SO-D	P41014-148-4DO-Z	P41014-148-4SO	P41014-148-5DO-Z	P41014-148-5SO	P41014-148-6DO-Z
					Sample Name									
					Date Sampled	11/07/2014	11/07/2014	11/07/2014	11/07/2014	11/10/2014	11/10/2014	11/10/2014	11/10/2014	11/10/2014
					Sample Purpose	FS	DUP	FS	DUP	FS	FS	FS	FS	FS
Inorganics														
Antimony	N	UG/L	6.00E+00	7.80E-01										
Arsenic	N	UG/L	1.00E+01	5.20E-02										
Barium	N	UG/L	2.00E+03	3.80E+02										
Beryllium	N	UG/L	4.00E+00	2.50E+00										
Cadmium	N	UG/L	5.00E+00	9.20E-01										
Chromium	N	UG/L	1.00E+02	2.20E+03										
Cobalt	N	UG/L		6.00E-01										
Copper	N	UG/L	1.30E+03	8.00E+01										
Lead	N	UG/L	1.50E+01	1.50E+01										
Mercury	N	UG/L	2.00E+00	6.30E-02										
Nickel	N	UG/L		3.90E+01										
Selenium	N	UG/L	5.00E+01	1.00E+01										
Silver	N	UG/L		9.40E+00										
Thallium	N	UG/L	2.00E+00	2.00E-02										
Tin	N	UG/L		1.20E+03										
Vanadium	N	UG/L		8.60E+00										
Zinc	N	UG/L		6.00E+02										

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	148-6SO	SWMU148-1	SWMU148-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-148-6SO	GW1113-SWMU148-1	GW1113-SWMU148-2
					Sample Name			
					Date Sampled	11/10/2014	12/18/2013	12/26/2013
					Sample Purpose	FS	FS	FS
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<0.5	<1	<1
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<0.5	<0.8	<0.8
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<0.5	<1	<1
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<0.5	<0.8	<0.8
1,1-Dichloroethane	N	UG/L		2.70E+00		<0.5	<1	<1
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<0.5	<0.8	<0.8
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<1	<1	<1
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<2	<2	<2
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<0.5	<1	<1
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01			**2 J**	<1
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<0.5	<1	<1
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<0.5	<1	<1
1,3-Dichlorobenzene	N	UG/L					<1	<1
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01			<1	<1
2-Hexanone	N	UG/L		3.80E+00		<3	**8 J**	<3
Acetone	N	UG/L		1.40E+03		<6	**11 J**	<6
Acetonitrile	N	UG/L		1.30E+01		<25	**100 J**	<25
Acrolein	N	UG/L		4.20E-03		<40	<40	<40
Acrylonitrile	N	UG/L		5.20E-02		<4	<4	<4
Allyl Chloride	N	UG/L		2.10E-01		<1	<1	<1
Benzene	N	UG/L	5.00E+00	4.50E-01		<0.5	**1500**	<0.5
Bromodichloromethane	N	UG/L		1.30E-01		<0.5	<1	<1
Bromoform	N	UG/L		3.30E+00		<0.5	<1	<1
Carbon Disulfide	N	UG/L		8.10E+01		<1	**2 J**	<1
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<0.5	<1	<1
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		<0.5	**1200**	<0.8
Chlorodibromomethane	N	UG/L		1.70E-01		<0.5	<1	<1
Chloroform	N	UG/L		2.20E-01		<0.5	<0.8	<0.8
Chloroprene	N	UG/L		1.90E-02		<1	<1	<1
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<0.5	<0.8	<0.8
cis-1,3-Dichloropropene	N	UG/L				<0.5	<1	<1
Dichlorodifluoromethane	N	UG/L		2.00E+01		<0.5	<2	<2
Ethyl Chloride	N	UG/L		2.10E+03		<0.5	<1	<1
Ethyl Methacrylate	N	UG/L		4.60E+01		<1	<1	<1
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<0.5	**54**	<0.8
Formaldehyde	N	UG/L		4.30E-01			<30	**6100**
Formaldehyde	Y	UG/L		4.30E-01				
Iodomethane	N	UG/L				<0.5	<1	<1
Isobutyl Alcohol	N	UG/L		5.90E+02		<100	<100	<100
Methacrylonitrile	N	UG/L		1.90E-01		<10	<10	<10
Methyl Bromide	N	UG/L		7.50E-01		<0.5	<1	<1
Methyl Chloride	N	UG/L		1.90E+01		<0.5	<1	<1
Methyl Ethyl Ketone	N	UG/L		5.60E+02		<3	<3	<3

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	148-6SO	SWMU148-1	SWMU148-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-148-6SO	GW1113-SWMU148-1	GW1113-SWMU148-2
					Sample Name			
					Date Sampled	11/10/2014	12/18/2013	12/26/2013
					Sample Purpose	FS	FS	FS
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<3	<3	<3
Methyl Methacrylate	N	UG/L		1.40E+02		<1	<1	<1
Methylene Bromide	N	UG/L		8.00E-01		<0.5	<1	<1
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2	<2	<2
Pentachloroethane	N	UG/L		6.40E-01		<1	<1	<1
Propionitrile	N	UG/L				<30	<30	<30
Styrene	N	UG/L	1.00E+02	1.20E+02		<1	**84**	<1
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<0.5	<0.8	<0.8
Toluene	N	UG/L	1.00E+03	1.10E+02		<0.5	**600**	<0.7
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<0.5	<0.8	<0.8
trans-1,3-Dichloropropene	N	UG/L				<0.5	<1	<1
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<15	<15	<15
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<0.5	<1	<1
Trichlorofluoromethane	N	UG/L		1.10E+02		<0.5	<2	<2
Vinyl Acetate	N	UG/L		4.10E+01		<2	<2	<2
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<0.5	<1	<1
Xylenes	N	UG/L	1.00E+04	1.90E+01		<0.5	**490**	<0.8
Semi-Volatile Organic Compounds								
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01			<5	<0.5
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01			<5	<0.5
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01			<54	<5
1,3-Dinitrobenzene	N	UG/L		2.00E-01			<22	<2
1,4-Dioxane	N	UG/L		4.60E-01		**1 J**	<11	**6**
1,4-Dioxane	Y	UG/L		4.60E-01				
1,4-Naphthoquinone	N	UG/L					<110 R	<10
1-Naphthylamine	N	UG/L					<54	<5
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01			<5	<0.5
2,4,5-Trichlorophenol	N	UG/L		1.20E+02			<5	<0.5
2,4,6-Trichlorophenol	N	UG/L		1.20E+00			<5	<0.5
2,4-Dichlorophenol	N	UG/L		4.60E+00			<5	<0.5
2,4-Dimethylphenol	N	UG/L		3.60E+01			**1600**	<0.5
2,4-Dinitrophenol	N	UG/L		3.90E+00			<110	<10
2,4-Dinitrotoluene	N	UG/L		2.40E-01			<11	<1
2,6-Dichlorophenol	N	UG/L					<5	<0.5
2,6-Dinitrotoluene	N	UG/L		4.80E-02			<5	<0.5
2-Acetylaminofluorene	N	UG/L		1.60E-02			<22	<2
2-Chloronaphthalene	N	UG/L		7.50E+01			<4	<0.4
2-Chlorophenol	N	UG/L		9.10E+00			<5	<0.5
2-Methylnaphthalene	N	UG/L		3.60E+00			**1300**	**0.1 J**
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01			**3200**	<0.5
2-Naphthylamine	N	UG/L		3.90E-02			<54	<5
2-Nitroaniline	N	UG/L		1.90E+01			<5	<0.5
2-Nitrophenol	N	UG/L					<5	<0.5
2-Picoline	N	UG/L					**130**	<2

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	148-6SO	SWMU148-1	SWMU148-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-148-6SO	GW1113-SWMU148-1	GW1113-SWMU148-2
					Sample Name			
					Date Sampled	11/10/2014	12/18/2013	12/26/2013
					Sample Purpose	FS	FS	FS
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01			<22	<2
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03			<270	<26
3-Methylcholanthrene	N	UG/L		1.10E-03			<5	<0.5
3-Nitroaniline	N	UG/L					<5	<0.5
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01			<54	<5
4-Aminobiphenyl	N	UG/L		3.00E-03			<5	<0.5
4-Bromophenyl Phenyl Ether	N	UG/L					<5	<0.5
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02			<5	<0.5
4-Chloroaniline	N	UG/L		3.60E-01			<5	<0.5
4-Chlorophenyl Phenyl Ether	N	UG/L					<5	<0.5
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03			<5	<0.5
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02			**9600**	<0.5
4-Nitroaniline	N	UG/L		3.80E+00			<5	<0.5
4-Nitrophenol	N	UG/L					<110	<10
4-Nitroquinoline-N-Oxide	N	UG/L					<220	<20 UJ
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00			<5	<0.5
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04			<5	<0.5
Acenaphthene	N	UG/L		5.30E+01			**200**	**1**
Acenaphthylene	N	UG/L		5.30E+01			**310**	**1**
Acetophenone	N	UG/L		1.90E+02			<5	<0.5
Aniline	N	UG/L		1.30E+01			**420**	<0.5
Anthracene	N	UG/L		1.80E+02			**690**	**1**
Benzo(A)Anthracene	N	UG/L		1.20E-02			**620**	**1**
Benzo(B)Fluoranthene	N	UG/L		3.40E-02			**500**	**1**
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01			**290**	**0.8**
Benzo(K)Fluoranthene	N	UG/L		3.40E-01			**230**	**0.7**
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03			**530**	**1**
Benzyl Alcohol	N	UG/L		2.00E+02			<54	<5
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00			<5	<0.5
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02			<5	<0.5
Bis(2-Chloroisopropyl)Ether	N	UG/L					<5	<0.5
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00			<22	<2
Butyl Benzyl Phthalate	N	UG/L		1.60E+01			<22	<2
Chlorobenzilate	N	UG/L		3.10E-01			<32	<3
Chrysene	N	UG/L		3.40E+00			**590**	**1**
Diallate	N	UG/L		5.20E-01			<11	<1
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03			**63**	<0.1
Dibenzofuran	N	UG/L		7.90E-01			**880**	**1**
Diethyl Phthalate	N	UG/L		1.50E+03			<22	<2
Dimethyl Phthalate	N	UG/L					<22	<2
Di-N-Butyl Phthalate	N	UG/L		9.00E+01			<22	<2
Ethyl Methanesulfonate	N	UG/L					<5	<0.5
Fluoranthene	N	UG/L		8.00E+01			**1700**	**4**
Fluorene	N	UG/L		2.90E+01			**960**	**3**

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	148-6SO	SWMU148-1	SWMU148-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-148-6SO	GW1113-SWMU148-1	GW1113-SWMU148-2
					Sample Name			
					Date Sampled	11/10/2014	12/18/2013	12/26/2013
					Sample Purpose	FS	FS	FS
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03			<1	<0.1
Hexachlorobutadiene	N	UG/L		1.40E-01			<5	<0.5
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02			<54	<5
Hexachloroethane	N	UG/L		3.30E-01			<11	<1
Hexachloropropylene	N	UG/L					<22	<2
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02			**270**	**0.8**
Isodrin	N	UG/L					<5	<0.5
Isophorone	N	UG/L		7.80E+01			<5	<0.5
Isosafrole	N	UG/L					<22	<2
Methapyrilene	N	UG/L					<160	<15
Methyl Methanesulfonate	N	UG/L		7.90E-01			<11	<1
Naphthalene	N	UG/L		1.70E-01			**15000**	**0.4 J**
Naphthalene	Y	UG/L		1.70E-01		**0.1 J**		
N-Dioctyl Phthalate	N	UG/L		2.00E+01			<22	<2
Nitrobenzene	N	UG/L		1.40E-01			<5	<0.5
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04			<22	<2
N-Nitrosodiethylamine	N	UG/L		1.70E-04			<5	<0.5
N-Nitrosodimethylamine	N	UG/L		1.10E-04			<22	<2
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03			<22	<2
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02			<5	<0.5
N-Nitrosodiphenylamine	N	UG/L		1.20E+01			<5	<0.5
N-Nitrosomorpholine	N	UG/L		1.20E-02			<22	<2
N-Nitrosopiperidine	N	UG/L		8.20E-03			<5	<0.5
N-Nitrosopyrrolidine	N	UG/L		3.70E-02			<5	<0.5
O,O,O-Triethylphosphorothioate	N	UG/L					<22	<2
O-Toluidine	N	UG/L					**190**	<0.5
para-Phenylenediamine	N	UG/L		3.80E+02			<810	<77
Pentachlorobenzene	N	UG/L		3.20E-01			<5	<0.5
Pentachloronitrobenzene	N	UG/L		1.20E-01			<22	<2
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02			<11	<1
Phenacetin	N	UG/L		3.40E+01			<5	<0.5
Phenanthrene	N	UG/L		1.80E+02			**3100**	**5**
Phenol	N	UG/L		5.80E+02			**14000**	<0.5
Pyrene	N	UG/L		1.20E+01			**1400**	**3**
Pyridine	N	UG/L		2.00E+00			**490**	<2
Safrole	N	UG/L		9.50E-02			<22	<2
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01			<11	<1
Thionazin	N	UG/L					<22	<2
Dimethoate	N	UG/L		4.00E-01			<32	<3
Pronamide	N	UG/L		1.20E+02			<5	<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	148-6SO	SWMU148-1	SWMU148-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-148-6SO	GW1113-SWMU148-1	GW1113-SWMU148-2
					Sample Name			
					Date Sampled	11/10/2014	12/18/2013	12/26/2013
					Sample Purpose	FS	FS	FS
Inorganics								
Antimony	N	UG/L	6.00E+00	7.80E-01			<1.7	**24.4 J**
Arsenic	N	UG/L	1.00E+01	5.20E-02			**162**	**3710**
Barium	N	UG/L	2.00E+03	3.80E+02			**6970**	**7400**
Beryllium	N	UG/L	4.00E+00	2.50E+00			**47.6**	**127**
Cadmium	N	UG/L	5.00E+00	9.20E-01			<3.8	**39.9**
Chromium	N	UG/L	1.00E+02	2.20E+03			**940**	**17400**
Cobalt	N	UG/L		6.00E-01			**455**	**889**
Copper	N	UG/L	1.30E+03	8.00E+01			**1240**	**315000**
Lead	N	UG/L	1.50E+01	1.50E+01			**1050**	**17400**
Mercury	N	UG/L	2.00E+00	6.30E-02			**1.9**	**104**
Nickel	N	UG/L		3.90E+01			**784**	**2730**
Selenium	N	UG/L	5.00E+01	1.00E+01			**6.4 J**	**286**
Silver	N	UG/L		9.40E+00			**5.7**	**44.5**
Thallium	N	UG/L	2.00E+00	2.00E-02			**4.4 J**	**95.3**
Tin	N	UG/L		1.20E+03			**46**	**122**
Vanadium	N	UG/L		8.60E+00			**957**	**1540**
Zinc	N	UG/L		6.00E+02			**4070**	**97600**

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-5	SWMU192-5
					Field Sample ID	28912565	28912566
					Sample Name	BEL-S-SWMU192-5(0.5-1)	BEL-S-SWMU192-5(17-18)
					Date Sampled	02/20/2013	02/20/2013
					Start Depth - End Depth	0.5 - 1	17 - 18
					Sample Purpose	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020 UL	<0.0020 UL
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01			<0.0030 UL	<0.0030 UL
Acetone	MG/KG		5.80E+01			**0.0270**	**0.0120 J**
Acetonitrile	MG/KG		5.20E-01			<0.0260	<0.0260
Acrolein	MG/KG		1.68E-04			<0.0210 UL	<0.0210
Acrylonitrile	MG/KG		2.20E-04			<0.0040	<0.0040
Allyl Chloride	MG/KG		4.60E-03			<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			<0.00050	<0.00050
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			<0.0010	**0.0060**
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020 UL	<0.0020 UL
Ethyl Chloride	MG/KG		1.18E+02			<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03			**33 J**	**36**
Iodomethane	MG/KG					<0.0030	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1000	<0.1000
Methacrylonitrile	MG/KG		8.60E-03			<0.0050	<0.0050
Methyl Bromide	MG/KG		3.80E-02			<0.0020	<0.0020
Methyl Chloride	MG/KG		9.80E-01			<0.0020 UL	<0.0020
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0040	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020	<0.0020

Summary of Analytical Results - SWMU 148 - Comparison to SSLs
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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-5	SWMU192-5
					Field Sample ID	28912565	28912566
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Sample Name	BEL-S-SWMU192-5(0.5-1)	BEL-S-SWMU192-5(17-18)
					Date Sampled	02/20/2013	02/20/2013
					Start Depth - End Depth	0.5 - 1	17 - 18
					Sample Purpose	FS	FS
					Fill or Native Soil	Fill	Native Soil
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.0010
Propionitrile	MG/KG					<0.0310	<0.0310
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0100	<0.0100
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010 UL	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.0010	<0.0010
Semi-Volatile Organic Compounds							
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.2100	<0.0420
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.2100	<0.0420
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<2.1	<0.4200
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.8400	<0.1700
1,4-Dioxane	MG/KG		1.88E-03			<1.3 R	<0.2500 UL
1,4-Naphthoquinone	MG/KG					<10	<2.1
1-Naphthylamine	MG/KG					<2.1 R	<0.4200
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.8400	<0.1700
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.2100	<0.0420
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.2100	<0.0420
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.2100	<0.0420
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.2100	<0.0420
2,4-Dinitrophenol	MG/KG		8.80E-01			<3.8	<0.7600
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.8400	<0.1700
2,6-Dichlorophenol	MG/KG					<0.2100	<0.0420
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.2100	<0.0420
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.8400	<0.1700
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0880	<0.0180
2-Chlorophenol	MG/KG		1.48E+00			<0.2100	<0.0420
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.0690 J**	<0.0080
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.2100	<0.0420
2-Naphthylamine	MG/KG		4.00E-03			<2.1 R	<0.4200
2-Nitroaniline	MG/KG		1.60E+00			<0.2100	<0.0420
2-Nitrophenol	MG/KG					<0.2100	<0.0420
2-Picoline	MG/KG					<1.3	<0.2500
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<1.3 R	<0.2500
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<6.3 R	<1.3
3-Methylcholanthrene	MG/KG		4.40E-02			<0.2100	<0.0420
3-Nitroaniline	MG/KG					<0.8400	<0.1700
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<2.1	<0.4200
4-Aminobiphenyl	MG/KG		3.00E-04			<2.1 R	<0.4200
4-Bromophenyl Phenyl Ether	MG/KG					<0.2100	<0.0420
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.2100	<0.0420

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-5	SWMU192-5
					Field Sample ID	28912565	28912566
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Sample Name	BEL-S-SWMU192-5(0.5-1)	BEL-S-SWMU192-5(17-18)
					Date Sampled	02/20/2013	02/20/2013
					Start Depth - End Depth	0.5 - 1	17 - 18
					Sample Purpose	FS	FS
					Fill or Native Soil	Fill	Native Soil
4-Chloroaniline	MG/KG		3.20E-03			<0.2100	<0.0420
4-Chlorophenyl Phenyl Ether	MG/KG					<0.2100	<0.0420
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.8400	<0.1700
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.2100	<0.0420
4-Nitroaniline	MG/KG		3.20E-02			<0.8400	<0.1700
4-Nitrophenol	MG/KG					<2.1 R	<0.4200
4-Nitroquinoline-N-Oxide	MG/KG					<4.2 UL	<0.8400
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<2.1 R	<0.4200
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.2100	<0.0420
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0420	<0.0080
Acenaphthylene	MG/KG			3.10E-01		<0.0420	<0.0080
Acetophenone	MG/KG		1.16E+01			<0.2100	<0.0420
Aniline	MG/KG		9.20E-02			<2.1 R	<0.4200
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0420	<0.0080
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.0960 J**	<0.0080
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.1800 J**	<0.0080
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.0870 J**	<0.0080
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		<0.0420	<0.0080
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**0.1200 J**	<0.0080
Benzyl Alcohol	MG/KG		9.60E+00			<2.1 R	<0.4200
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.2100	<0.0420
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.2100	<0.0420
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.2100	<0.0420
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.8400	<0.1700
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.8400	<0.1700
Chlorobenzilate	MG/KG		2.00E-02			<0.4200	<0.0840
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.1200 J**	<0.0080
Diallate	MG/KG		1.56E-02			<0.4200	<0.0840
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0420	<0.0080
Dibenzofuran	MG/KG		3.00E+00			<0.2100	<0.0420
Diethyl Phthalate	MG/KG		1.22E+02			<0.8400	<0.1700
Dimethyl Phthalate	MG/KG					<0.8400	<0.1700
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.8400	<0.1700
Ethyl Methanesulfonate	MG/KG					<0.8400	<0.1700
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.1600 J**	<0.0080
Fluorene	MG/KG		1.08E+02	8.50E-02		**0.0430 J**	<0.0080
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0420	<0.0080
Hexachlorobutadiene	MG/KG		5.20E-03			<0.2100	<0.0420
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<2.1 R	<0.4200
Hexachloroethane	MG/KG		4.00E-03			<0.4200	<0.0840
Hexachloropropylene	MG/KG					<1.3	<0.2500
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**0.0990 J**	<0.0080
Isodrin	MG/KG					<0.2100	<0.0420
Isophorone	MG/KG		5.20E-01			<0.2100	<0.0420
Isosafrole	MG/KG					<0.8400	<0.1700
Methapyrilene	MG/KG					<21 R	<4.2
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.4200 R	<0.0840

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-5	SWMU192-5
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912565	28912566
					Sample Name	BEL-S-SWMU192-5(0.5-1)	BEL-S-SWMU192-5(17-18)
					Date Sampled	02/20/2013	02/20/2013
					Start Depth - End Depth	0.5 - 1	17 - 18
					Sample Purpose	FS	FS
					Fill or Native Soil	Fill	Native Soil
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.1200 J**	<0.0080
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.8400	<0.1700
Nitrobenzene	MG/KG		1.84E-03			<0.2100	<0.0420
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.8400	<0.1700
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.2100	<0.0420
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.8400	<0.1700
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.8400	<0.1700
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.2100	<0.0420
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.2100	<0.0420
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.8400	<0.1700
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.2100	<0.0420
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.2100	<0.0420
O,O,O-Triethylphosphorothioate	MG/KG					<0.8400	<0.1700
O-Toluidine	MG/KG					<2.5 R	<0.5100
para-Phenylenediamine	MG/KG		2.00E+01			<150	<29
Pentachlorobenzene	MG/KG		4.80E-01			<0.2100	<0.0420
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.8400	<0.1700
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.4200	<0.0840
Phenacetin	MG/KG		1.94E-01			<0.8400	<0.1700

Summary of Analytical Results - SWMU 148 - Comparison to SSLs
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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-5	SWMU192-5
					Field Sample ID	28912565	28912566
					Sample Name	BEL-S-SWMU192-5(0.5-1)	BEL-S-SWMU192-5(17-18)
					Date Sampled	02/20/2013	02/20/2013
					Start Depth - End Depth	0.5 - 1	17 - 18
					Sample Purpose	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil
Phenanthrene	MG/KG			8.70E-01		**0.1 J**	**0.0100 J**
Phenol	MG/KG		6.60E+01			<0.2100	<0.0420
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.1300 J**	<0.0080
Pyridine	MG/KG		1.36E-01			<0.8400	<0.1700
Safrole	MG/KG		1.18E-03			<0.8400	<0.1700
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.8400	<0.1700
Thionazin	MG/KG					<0.8400	<0.1700
Dimethoate	MG/KG		1.80E-02			<2.1 R	<0.4200 UL
Pronamide	MG/KG		2.40E+01			<0.4200	<0.0840
Inorganics							
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**0.618**	<0.0826
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**12.5**	**9.49**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**166**	**199**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**0.858**	**1.65**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		<0.0399	**0.338 J**
Chromium	MG/KG	3.60E+06		4.40E+01		**196**	**28.2**
Cobalt	MG/KG		5.40E+00	2.23E+01		**6.77**	**16**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**1670 L**	**26.9 L**
Lead	MG/KG	2.80E+02		1.06E+02		**335**	**20.4**
Mercury	MG/KG	2.00E+00		4.14E+00		**3.35**	**0.0423 J**
Nickel	MG/KG		5.20E+02	2.59E+01		**19.2**	**30.8**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.616**	**0.233 J**
Silver	MG/KG		1.60E+01			<0.169	<0.175
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.213**	**0.309**
Tin	MG/KG		6.00E+04			**3.88 B**	**2.56 B**
Vanadium	MG/KG		1.72E+03	6.74E+01		**18.9**	**36.7**
Zinc	MG/KG		7.40E+03	1.33E+02		**821**	**106**
Miscellaneous							
Percent Moisture	%					**20.4**	**20.9**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL)
and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Summary of Analytical Results - SWMUs 32-35, 72, and 154 - Comparison to SSLs
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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)									
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	SWMU32-35-1	SWMU32-35-2	SWMU32-35-2	SWMU32-35-2	SWMU32-35-5	SWMU32-35-5	SWMU72-1	SWMU72-1
					Field Sample ID	28719367	28719369	28719370	P4S-0513-SWMU-32-35-2-5-7	28719372	P4S-0513-SWMU-32-35-5-35-36	28722404	28722405
					Sample Name	BEL-S-SWMU32-35-1(16-17)	BEL-S-SWMU32-35-2(3-4)	BEL-S-SWMU32-35-2(5-7)		BEL-S-SWMU32-35-5(17-18)		BEL-S-SWMU72-1(0.5-1)	BEL-S-SWMU72-1(9-10)
					Date Sampled	12/04/2012	12/04/2012	12/04/2012	05/28/2013	12/04/2012	05/28/2013	12/04/2012	12/04/2012
					Start Depth - End Depth	16 - 17	3 - 4	5 - 7	5 - 7	17 - 18	35 - 36	0.5 - 1	9 - 10
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil	Native Soil	Fill	Native Soil
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020	<0.0020 UL	<0.0020 UL	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020 UL
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01			<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Acetone	MG/KG		5.80E+01			**0.0140 J**	**0.0120 J**	<0.0080	**0.0510**	<0.0060	**0.0990**	**0.0350**	**0.0130 J**
Acetonitrile	MG/KG		5.20E-01			<0.0240	<0.0250	<0.0270	<0.0250	<0.0230	<0.0270	<0.0250	<0.0260
Acrolein	MG/KG		1.68E-04			<0.0190	<0.0200	<0.0220	<0.0200	<0.0180	<0.0220	<0.0200	<0.0210
Acrylonitrile	MG/KG		2.20E-04			<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Allyl Chloride	MG/KG		4.60E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	**0.0010 J**	**0.00070 J**	<0.00050
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			<0.0010	**0.0020 J**	**0.0020 J**	<0.0010	<0.00090	**0.0010 J**	**0.0110**	<0.0010
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Chloride	MG/KG		1.18E+02			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03						**12**		**24**		
Iodomethane	MG/KG					<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01			<0.0960	<0.1000	<0.1100	<0.1000	<0.0920	<0.1100	<0.0990	<0.1000
Methacrylonitrile	MG/KG		8.60E-03			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Methyl Bromide	MG/KG		3.80E-02			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Chloride	MG/KG		9.80E-01			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	MG/KG		2.40E+01			**0.0040 J**	**0.0100**	<0.0040	**0.014**	<0.0040	**0.02**	**0.0040 J**	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			**0.0020 J**	<0.0020	<0.0020	<0.0020	<0.0020	**0.0020 J**	<0.0020	<0.0020
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0290	<0.0300	<0.0320	<0.0300	<0.0270	<0.0330	<0.0300	<0.0310
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010

Summary of Analytical Results - SWMUs 32-35, 72, and 154 - Comparison to SSLs
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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU32-35-1	SWMU32-35-2	SWMU32-35-2	SWMU32-35-2	SWMU32-35-5	SWMU32-35-5	SWMU72-1	SWMU72-1
					Field Sample ID	28719367	28719369	28719370	P4S-0513-SWMU-32-35-2-5-7	28719372	P4S-0513-SWMU-32-35-5-35-36	28722404	28722405
					Sample Name	BEL-S-SWMU32-35-1(16-17)	BEL-S-SWMU32-35-2(3-4)	BEL-S-SWMU32-35-2(5-7)		BEL-S-SWMU32-35-5(17-18)		BEL-S-SWMU72-1(0.5-1)	BEL-S-SWMU72-1(9-10)
					Date Sampled	12/04/2012	12/04/2012	12/04/2012	05/28/2013	12/04/2012	05/28/2013	12/04/2012	12/04/2012
					Start Depth - End Depth	16 - 17	3 - 4	5 - 7	5 - 7	17 - 18	35 - 36	0.5 - 1	9 - 10
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil	Native Soil	Fill	Native Soil
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0100	<0.0100	<0.0110	<0.0100	<0.0090	<0.0110	<0.0100	<0.0100
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds													
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2000	<0.2000	<0.2100	<0.2000	<0.2100	<0.2200	<0.1800	<0.2100
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
1,4-Dioxane	MG/KG		1.88E-03			<0.1200	<0.1200	<0.1300	<0.1200	<0.1200	<0.1300	<0.1100	<0.1300
1,4-Naphthoquinone	MG/KG					<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.1000	<0.8800	<1.0000
1-Naphthylamine	MG/KG					<0.2000	<0.2000	<0.2100	<0.2000	<0.2100	<0.2200	<0.1800	<0.2100
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3700	<0.3700	<0.3800	<0.3600	<0.3700	<0.4000	<0.3200	<0.3800
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
2,6-Dichlorophenol	MG/KG					<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0090	<0.0090	<0.0090	<0.0080	<0.0090	<0.0090	<0.0070	<0.0090
2-Chlorophenol	MG/KG		1.48E+00			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		<0.0040	**0.0680**	<0.0040	<0.0040	<0.0040	**0.0090 J**	**0.0190**	**0.0060 J**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
2-Naphthylamine	MG/KG		4.00E-03			<0.2000 UL	<0.2000 UL	<0.2100 UL	<0.2000	<0.2100 UL	<0.2200	<0.1800 UL	<0.2100 UL
2-Nitroaniline	MG/KG		1.60E+00			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
2-Nitrophenol	MG/KG					<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
2-Picoline	MG/KG					<0.1200	<0.1200	<0.1300	<0.1200	<0.1200	<0.1300	<0.1100	<0.1300
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1200	<0.1200	<0.1300	<0.1200	<0.1200	<0.1300	<0.1100	<0.1300
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.6100	<0.6100	<0.6300	<0.6000	<0.6200	<0.6700	<0.5300	<0.6300
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
3-Nitroaniline	MG/KG					<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2000	<0.2000	<0.2100	<0.2000	<0.2100	<0.2200	<0.1800	<0.2100
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2000	<0.2000	<0.2100	<0.2000	<0.2100	<0.2200	<0.1800	<0.2100
4-Bromophenyl Phenyl Ether	MG/KG					<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
4-Chloroaniline	MG/KG		3.20E-03			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
4-Nitroaniline	MG/KG		3.20E-02			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
4-Nitrophenol	MG/KG					<0.2000	<0.2000	<0.2100	<0.2000	<0.2100	<0.2200	<0.1800	<0.2100
4-Nitroquinoline-N-Oxide	MG/KG					<0.4100	<0.4100	<0.4200	<0.4000	<0.4100	<0.4400	<0.3500	<0.4200
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2000	<0.2000	<0.2100	<0.2000	<0.2100	<0.2200	<0.1800	<0.2100
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Acenaphthylene	MG/KG			3.10E-01		<0.0040	**0.0120 J**	<0.0040	<0.0040	<0.0040	<0.0040	**0.0190**	<0.0040
Acetophenone	MG/KG		1.16E+01			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU32-35-1	SWMU32-35-2	SWMU32-35-2	SWMU32-35-2	SWMU32-35-5	SWMU32-35-5	SWMU72-1	SWMU72-1
					Field Sample ID	28719367	28719369	28719370	P4S-0513-SWMU-32-35-2-5-7	28719372	P4S-0513-SWMU-32-35-5-35-36	28722404	28722405
					Sample Name	BEL-S-SWMU32-35-1(16-17)	BEL-S-SWMU32-35-2(3-4)	BEL-S-SWMU32-35-2(5-7)		BEL-S-SWMU32-35-5(17-18)		BEL-S-SWMU72-1(0.5-1)	BEL-S-SWMU72-1(9-10)
					Date Sampled	12/04/2012	12/04/2012	12/04/2012	05/28/2013	12/04/2012	05/28/2013	12/04/2012	12/04/2012
					Start Depth - End Depth	16 - 17	3 - 4	5 - 7	5 - 7	17 - 18	35 - 36	0.5 - 1	9 - 10
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil	Native Soil	Fill	Native Soil
Aniline	MG/KG		9.20E-02			<0.2000	<0.2000	<0.2100	<0.2000	<0.2100	<0.2200	<0.1800	<0.2100
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0040	**0.0120 J**	<0.0040	<0.0040	<0.0040	**0.0060 J**	**0.0370**	<0.0040
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		<0.0040	**0.025**	<0.0040	<0.0040	<0.0040	**0.0090 J**	**0.16**	<0.0040
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		<0.0040	**0.043**	<0.0040	<0.0040	<0.0040	**0.029**	**0.31**	**0.0050 J**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		<0.0040	**0.023**	<0.0040	<0.0040	<0.0040	**0.0150 J**	**0.18**	**0.0100 J**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		<0.0040	**0.0160 J**	<0.0040	<0.0040	<0.0040	**0.0100 J**	**0.13**	<0.0040
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		<0.0040	**0.0180 J**	<0.0040	<0.0040	<0.0040	**0.0070 J**	**0.2**	**0.0060 J**
Benzyl Alcohol	MG/KG		9.60E+00			<0.2000	<0.2000	<0.2100	<0.2000	<0.2100	<0.2200	<0.1800	<0.2100
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0820	<0.0810	<0.0840	**0.1800 J**	<0.0820	<0.0890	<0.0710	<0.0840
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
Chlorobenzilate	MG/KG		2.00E-02			<0.0410	<0.0410	<0.0420	<0.0400	<0.0410	<0.0440	<0.0350	<0.0420
Chrysene	MG/KG		2.40E+01	1.50E+00		<0.0040	**0.039**	<0.0040	<0.0040	<0.0040	**0.0180 J**	**0.17**	**0.0110 J**
Diallate	MG/KG		1.56E-02			<0.0410	<0.0410	<0.0420	<0.0400	<0.0410	<0.0440	<0.0350	<0.0420
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0040	**0.0050 J**	<0.0040	<0.0040	<0.0040	<0.0040	**0.039**	<0.0040
Dibenzofuran	MG/KG		3.00E+00			<0.0200	**0.0220 J**	<0.0210	<0.0200	<0.0210	<0.0220	**0.0180 J**	<0.0210
Diethyl Phthalate	MG/KG		1.22E+02			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
Dimethyl Phthalate	MG/KG					<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
Ethyl Methanesulfonate	MG/KG					<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
Fluoranthene	MG/KG		1.78E+03	1.90E+00		<0.0040	**0.085**	<0.0040	<0.0040	<0.0040	**0.0150 J**	**0.31**	**0.0060 J**
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.0040	**0.0100 J**	<0.0040	<0.0040	<0.0040	**0.0050 J**	**0.0050 J**	**0.0070 J**
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2000	<0.2000	<0.2100	<0.2000	<0.2100	<0.2200	<0.1800	<0.2100
Hexachloroethane	MG/KG		4.00E-03			<0.0410	<0.0410	<0.0420	<0.0400	<0.0410	<0.0440	<0.0350	<0.0420
Hexachloropropylene	MG/KG					<0.1200	<0.1200	<0.1300	<0.1200	<0.1200	<0.1300	<0.1100	<0.1300
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		<0.0040	**0.0160 J**	<0.0040	<0.0040	<0.0040	**0.0080 J**	**0.15**	<0.0040
Isodrin	MG/KG					<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
Isophorone	MG/KG		5.20E-01			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
Isosafrole	MG/KG					<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
Methapyrilene	MG/KG					<2.0000	<2.0000	<2.1000	<2.0000	<2.1000	<2.2000	<1.8000	<2.1000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0410	<0.0410	<0.0420	<0.0400	<0.0410	<0.0440	<0.0350	<0.0420
Naphthalene	MG/KG		1.08E-02	1.20E+00		<0.0040	**0.066**	<0.0040	<0.0040	<0.0040	**0.0080 J**	**0.036**	<0.0040
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
Nitrobenzene	MG/KG		1.84E-03			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
O,O,O-Triethylphosphorothioate	MG/KG					<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
O-Toluidine	MG/KG					<0.2500	<0.2400	<0.2500	<0.2400	<0.2500	<0.2700	<0.2100	<0.2500
para-Phenylenediamine	MG/KG		2.00E+01			<14.0000	<14.0000	<15.0000	<14.0000	<14.0000	<16.0000	<12.0000	<15.0000

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU32-35-1	SWMU32-35-2	SWMU32-35-2	SWMU32-35-2	SWMU32-35-5	SWMU32-35-5	SWMU72-1	SWMU72-1
					Field Sample ID	28719367	28719369	28719370	P4S-0513-SWMU-32-35-2-5-7	28719372	P4S-0513-SWMU-32-35-5-35-36	28722404	28722405
					Sample Name	BEL-S-SWMU32-35-1(16-17)	BEL-S-SWMU32-35-2(3-4)	BEL-S-SWMU32-35-2(5-7)		BEL-S-SWMU32-35-5(17-18)		BEL-S-SWMU72-1(0.5-1)	BEL-S-SWMU72-1(9-10)
					Date Sampled	12/04/2012	12/04/2012	12/04/2012	05/28/2013	12/04/2012	05/28/2013	12/04/2012	12/04/2012
					Start Depth - End Depth	16 - 17	3 - 4	5 - 7	5 - 7	17 - 18	35 - 36	0.5 - 1	9 - 10
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Fill	Native Soil	Native Soil	Native Soil	Native Soil	Fill	Native Soil
Pentachlorobenzene	MG/KG		4.80E-01			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0410	<0.0410	<0.0420	<0.0400	<0.0410	<0.0440	<0.0350	<0.0420
Phenacetin	MG/KG		1.94E-01			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
Phenanthrene	MG/KG			8.70E-01		**0.0040 J**	**0.088**	**0.0070 J**	**0.0070 J**	<0.0040	**0.035**	**0.19**	**0.0050 J**
Phenol	MG/KG		6.60E+01			<0.0200	<0.0200	<0.0210	<0.0200	<0.0210	<0.0220	<0.0180	<0.0210
Pyrene	MG/KG		2.60E+02	1.50E+00		<0.0040	**0.069**	<0.0040	<0.0040	<0.0040	**0.0170 J**	**0.26**	**0.0090 J**
Pyridine	MG/KG		1.36E-01			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
Safrole	MG/KG		1.18E-03			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
Thionazin	MG/KG					<0.0820	<0.0810	<0.0840	<0.0810	<0.0820	<0.0890	<0.0710	<0.0840
Dimethoate	MG/KG		1.80E-02			<0.2000 UL	<0.2000 UL	<0.2100 UL	<0.2000	<0.2100 UL	<0.2200	<0.1800 UL	<0.2100 UL
Pronamide	MG/KG		2.40E+01			<0.0410	<0.0410	<0.0420	<0.0400	<0.0410	<0.0440	<0.0350	<0.0420
Inorganics													
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		<0.0794	**0.229 J**	<0.0803		**0.0858 J**		**10.3**	<0.0815
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**6.52**	**15.6**	**5.79**		**8.3**		**54.5**	**5.59**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**163**	**159**	**175**		**176**		**5640**	**180**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**1.34**	**1**	**1.29**		**1.33**		**4.52**	**1.33**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		**1.43 J**	**0.303 J**	**0.247 J**		<0.0388 UL		**0.445 J**	**0.132 J**
Chromium	MG/KG	3.60E+06		4.40E+01		**25.1 K**	**44.2 K**	**24.9 K**		**23.0 K**		**227 K**	**25.5 K**
Cobalt	MG/KG		5.40E+00	2.23E+01		**14.6**	**9.2**	**12.4**		**18.1**		**29.1**	**11.3**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**20.3**	**249**	**19.6**		**20.1**		**79.9**	**18.9**
Lead	MG/KG	2.80E+02		1.06E+02		**17.4**	**44.5**	**16.4**		**21.1**		**23.9**	**17.9**
Mercury	MG/KG	2.00E+00		4.14E+00		**0.0319 J**	**0.233**	**0.0276 J**		**0.0383 J**		**0.0427 J**	**0.0272 J**
Nickel	MG/KG		5.20E+02	2.59E+01		**24.2**	**20.5**	**25.9**		**26.3**		**55.2**	**23.2**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.148 J**	**0.924**	**0.208 J**		**0.169 J**		**0.727**	**0.349 J**
Silver	MG/KG		1.60E+01			<0.168	<0.163	<0.170		<0.164		**1.29**	<0.173
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.250**	**0.29**	**0.176**		**0.274**		**0.246**	**0.254**
Tin	MG/KG		6.00E+04			**2.61 B**	**3.23 B**	**2.44 B**		**2.52 B**		**2.03 B**	**2.53 B**
Vanadium	MG/KG		1.72E+03	6.74E+01		**34.1 K**	**22.8 K**	**32.0 K**		**34.3 K**		**32.1 K**	**33.9 K**
Zinc	MG/KG		7.40E+03	1.33E+02		**79.5**	**216**	**81**		**84.3**		**71.7**	**74.5**
Miscellaneous													
Total Organic Carbon	MG/KG								**6190**		**6610**		
Ammonia	MG/KG								**383**		<68.1		
Percent Moisture	%					**18.5**	**18.2**	**20.2**	**18.1**	**18.9**	**25.1**	**5.6**	**20.6**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28722406	SS1113-SWMU72-1-0.5	SS1113-SWMU72-2-0.5	SS1113-SWMU72-3-0.5	SS1113-SWMU72-3-0.5-D
					Sample Name	BEL-S-SWMU72-1(17-18)				
					Date Sampled	12/04/2012	11/20/2013	11/20/2013	11/20/2013	11/20/2013
					Start Depth - End Depth	17 - 18	0.5 - 1	0.5 - 1	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	DUP
					Fill or Native Soil	Native Soil	Fill	Fill	Fill	Fill
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010				
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010				
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010				
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010				
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010				
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010				
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010				
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020 UL				
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010				
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0010				
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010				
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010				
1,3-Dichlorobenzene	MG/KG					<0.0010				
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0010				
2-Hexanone	MG/KG		1.76E-01			<0.0030				
Acetone	MG/KG		5.80E+01			**0.0080 J**				
Acetonitrile	MG/KG		5.20E-01			<0.0260				
Acrolein	MG/KG		1.68E-04			<0.0210				
Acrylonitrile	MG/KG		2.20E-04			<0.0040				
Allyl Chloride	MG/KG		4.60E-03			<0.0010				
Benzene	MG/KG	5.20E-02	4.60E-03			<0.00050				
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010				
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010				
Carbon Disulfide	MG/KG		4.80E+00			<0.0010				
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010				
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0010				
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010				
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.0010				
Chloroprene	MG/KG		1.96E-04			<0.0010				
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010				
cis-1,3-Dichloropropene	MG/KG					<0.0010				
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020				
Ethyl Chloride	MG/KG		1.18E+02			<0.0020				
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010				
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0010				
Formaldehyde	MG/KG		1.74E-03							
Iodomethane	MG/KG					<0.0030				
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1000				
Methacrylonitrile	MG/KG		8.60E-03			<0.0050				
Methyl Bromide	MG/KG		3.80E-02			<0.0020				
Methyl Chloride	MG/KG		9.80E-01			<0.0020				
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0040				
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030				
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010				
Methylene Bromide	MG/KG		4.00E-02			<0.0010				
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020				
Pentachloroethane	MG/KG		6.20E-03			<0.0010				
Propionitrile	MG/KG					<0.0310				
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010				
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010				
Toluene	MG/KG	1.38E+01	1.52E+01			<0.0010				
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010				

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28722406	SS1113-SWMU72-1-0.5	SS1113-SWMU72-2-0.5	SS1113-SWMU72-3-0.5	SS1113-SWMU72-3-0.5-D
					Sample Name	BEL-S-SWMU72-1(17-18)				
					Date Sampled	12/04/2012	11/20/2013	11/20/2013	11/20/2013	11/20/2013
					Start Depth - End Depth	17 - 18	0.5 - 1	0.5 - 1	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	DUP
					Fill or Native Soil	Native Soil	Fill	Fill	Fill	Fill
trans-1,3-Dichloropropene	MG/KG					<0.0010				
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0100				
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010				
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020				
Vinyl Acetate	MG/KG		1.74E+00			<0.0020				
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010				
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.0010				
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0210				
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0210				
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2100				
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0840				
1,4-Dioxane	MG/KG		1.88E-03			<0.1300				
1,4-Naphthoquinone	MG/KG					<1.0000				
1-Naphthylamine	MG/KG					<0.2100				
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0840				
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0210				
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0210				
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0210				
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0210				
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3800				
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0840				
2,6-Dichlorophenol	MG/KG					<0.0210				
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0210				
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0840				
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0090				
2-Chlorophenol	MG/KG		1.48E+00			<0.0210				
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		<0.0040				
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0210				
2-Naphthylamine	MG/KG		4.00E-03			<0.2100 UL				
2-Nitroaniline	MG/KG		1.60E+00			<0.0210				
2-Nitrophenol	MG/KG					<0.0210				
2-Picoline	MG/KG					<0.1300				
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1300				
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.6300				
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0210				
3-Nitroaniline	MG/KG					<0.0840				
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2100				
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2100				
4-Bromophenyl Phenyl Ether	MG/KG					<0.0210				
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0210				
4-Chloroaniline	MG/KG		3.20E-03			<0.0210				
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0210				
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0840				
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0210				
4-Nitroaniline	MG/KG		3.20E-02			<0.0840				
4-Nitrophenol	MG/KG					<0.2100				
4-Nitroquinoline-N-Oxide	MG/KG					<0.4200				
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2100				
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0210				
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0040				
Acenaphthylene	MG/KG			3.10E-01		<0.0040				
Acetophenone	MG/KG		1.16E+01			<0.0210				

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU72-1	SWMU72-1-1	SWMU72-1-2	SWMU72-1-3	SWMU72-1-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28722406	SS1113-SWMU72-1-0.5	SS1113-SWMU72-2-0.5	SS1113-SWMU72-3-0.5	SS1113-SWMU72-3-0.5-D
					Sample Name	BEL-S-SWMU72-1(17-18)				
					Date Sampled	12/04/2012	11/20/2013	11/20/2013	11/20/2013	11/20/2013
					Start Depth - End Depth	17 - 18	0.5 - 1	0.5 - 1	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	DUP
					Fill or Native Soil	Native Soil	Fill	Fill	Fill	Fill
Aniline	MG/KG		9.20E-02			<0.2100				
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0040				
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		<0.0040				
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.0080 J**				
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		<0.0040				
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		<0.0040				
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		<0.0040				
Benzyl Alcohol	MG/KG		9.60E+00			<0.2100				
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0210				
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0210				
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0210				
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0840				
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0840				
Chlorobenzilate	MG/KG		2.00E-02			<0.0420				
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.0050 J**				
Diallate	MG/KG		1.56E-02			<0.0420				
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0040				
Dibenzofuran	MG/KG		3.00E+00			<0.0210				
Diethyl Phthalate	MG/KG		1.22E+02			<0.0840				
Dimethyl Phthalate	MG/KG					<0.0840				
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0840				
Ethyl Methanesulfonate	MG/KG					<0.0840				
Fluoranthene	MG/KG		1.78E+03	1.90E+00		<0.0040				
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.0040				
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040				
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0210				
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2100				
Hexachloroethane	MG/KG		4.00E-03			<0.0420				
Hexachloropropylene	MG/KG					<0.1300				
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		<0.0040				
Isodrin	MG/KG					<0.0210				
Isophorone	MG/KG		5.20E-01			<0.0210				
Isosafrole	MG/KG					<0.0840				
Methapyrilene	MG/KG					<2.1000				
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0420				
Naphthalene	MG/KG		1.08E-02	1.20E+00		<0.0040				
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0840				
Nitrobenzene	MG/KG		1.84E-03			<0.0210				
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0840				
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0210				
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0840				
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0840				
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0210				
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0210				
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0840				
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0210				
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0210				
O,O,O-Triethylphosphorothioate	MG/KG					<0.0840				
O-Toluidine	MG/KG					<0.2500				
para-Phenylenediamine	MG/KG		2.00E+01			<15.0000				

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU72-1	SWMU72-1-1	SWMU72-1-2	SWMU72-1-3	SWMU72-1-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28722406	SS1113-SWMU72-1-0.5	SS1113-SWMU72-2-0.5	SS1113-SWMU72-3-0.5	SS1113-SWMU72-3-0.5-D
					Sample Name	BEL-S-SWMU72-1(17-18)				
					Date Sampled	12/04/2012	11/20/2013	11/20/2013	11/20/2013	11/20/2013
					Start Depth - End Depth	17 - 18	0.5 - 1	0.5 - 1	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	DUP
					Fill or Native Soil	Native Soil	Fill	Fill	Fill	Fill
Pentachlorobenzene	MG/KG		4.80E-01			<0.0210				
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0840				
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0420				
Phenacetin	MG/KG		1.94E-01			<0.0840				
Phenanthrene	MG/KG			8.70E-01		**0.0060 J**				
Phenol	MG/KG		6.60E+01			<0.0210				
Pyrene	MG/KG		2.60E+02	1.50E+00		<0.0040				
Pyridine	MG/KG		1.36E-01			<0.0840				
Safrole	MG/KG		1.18E-03			<0.0840				
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0840				
Thionazin	MG/KG					<0.0840				
Dimethoate	MG/KG		1.80E-02			<0.2100 UL				
Pronamide	MG/KG		2.40E+01			<0.0420				
Inorganics										
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		<0.0823				
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**7.65**	**21.6 J**	**18.0 J**	**27.6 J**	**23.7 J**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**198**				
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**1.47**				
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		**0.444 J**				
Chromium	MG/KG	3.60E+06		4.40E+01		**28.5 K**				
Cobalt	MG/KG		5.40E+00	2.23E+01		**17.5**				
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**22.4**				
Lead	MG/KG	2.80E+02		1.06E+02		**18.7**				
Mercury	MG/KG	2.00E+00		4.14E+00		**0.0362 J**				
Nickel	MG/KG		5.20E+02	2.59E+01		**29.4**				
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.365 J**				
Silver	MG/KG		1.60E+01			<0.175				
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.235**				
Tin	MG/KG		6.00E+04			**2.74 B**				
Vanadium	MG/KG		1.72E+03	6.74E+01		**36.4 K**				
Zinc	MG/KG		7.40E+03	1.33E+02		**91.1**				
Miscellaneous										
Total Organic Carbon	MG/KG									
Ammonia	MG/KG									
Percent Moisture	%					**20.6**	**7.9**	**5.2**	**4.9**	**5.3**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SWMU32-35-1-GW	SWMU32-35-3-GW	SWMU32-35-3-GW	SWMU32-35-5
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW1113-SWMU32-35-1	GW1113-SWMU32-35-3	GW1113-SWMU32-35-3-D	P4G-0513-SWMU-32-35-5-35-36
					Sample Name				
					Date Sampled	11/20/2013	11/20/2013	11/20/2013	05/28/2013
					Sample Purpose	FS	FS	DUP	FS
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01					<1
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02					<0.8
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02					<1
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02					<0.8
1,1-Dichloroethane	N	UG/L		2.70E+00					<1
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01					<0.8
1,2,3-Trichloropropane	N	UG/L		7.50E-04					<1
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04					<2
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03					<1
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01					<1
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01					<1
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01					<1
1,3-Dichlorobenzene	N	UG/L							<1
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01					<1
2-Hexanone	N	UG/L		3.80E+00					<3
Acetone	N	UG/L		1.40E+03					**7 J**
Acetonitrile	N	UG/L		1.30E+01					<25
Acrolein	N	UG/L		4.20E-03					<40
Acrylonitrile	N	UG/L		5.20E-02					<4
Allyl Chloride	N	UG/L		2.10E-01					<1
Benzene	N	UG/L	5.00E+00	4.50E-01					<0.5
Bromodichloromethane	N	UG/L		1.30E-01					<1
Bromoform	N	UG/L		3.30E+00					<1
Carbon Disulfide	N	UG/L		8.10E+01					<1
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01					<1
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00					<0.8
Chlorodibromomethane	N	UG/L		1.70E-01					<1
Chloroform	N	UG/L		2.20E-01					<0.8
Chloroprene	N	UG/L		1.90E-02					<1
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00					<0.8
cis-1,3-Dichloropropene	N	UG/L							<1
Dichlorodifluoromethane	N	UG/L		2.00E+01					<2
Ethane	N	UG/L							<1.0
Ethene	N	UG/L							<1.0
Ethyl Chloride	N	UG/L		2.10E+03					<1
Ethyl Methacrylate	N	UG/L		4.60E+01					<1
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00					<0.8
Formaldehyde	N	UG/L		4.30E-01		<30	**210 J**	**130 J**	**980**
Iodomethane	N	UG/L							<1
Isobutyl Alcohol	N	UG/L		5.90E+02					<100
Methacrylonitrile	N	UG/L		1.90E-01					<10
Methane	N	UG/L							**2700**
Methyl Bromide	N	UG/L		7.50E-01					<1
Methyl Chloride	N	UG/L		1.90E+01					<1
Methyl Ethyl Ketone	N	UG/L		5.60E+02					<3
Methyl Isobutyl Ketone	N	UG/L		1.20E+02					<3
Methyl Methacrylate	N	UG/L		1.40E+02					<1
Methylene Bromide	N	UG/L		8.00E-01					<1
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01					<2
Pentachloroethane	N	UG/L		6.40E-01					<1
Propane	N	UG/L							<1.0

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SWMU32-35-1-GW	SWMU32-35-3-GW	SWMU32-35-3-GW	SWMU32-35-5
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW1113-SWMU32-35-1	GW1113-SWMU32-35-3	GW1113-SWMU32-35-3-D	P4G-0513-SWMU-32-35-5-35-36
					Sample Name				
					Date Sampled	11/20/2013	11/20/2013	11/20/2013	05/28/2013
					Sample Purpose	FS	FS	DUP	FS
Propionitrile	N	UG/L							<30
Styrene	N	UG/L	1.00E+02	1.20E+02					<1
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00					<0.8
Toluene	N	UG/L	1.00E+03	1.10E+02					**1 J**
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01					<0.8
trans-1,3-Dichloropropene	N	UG/L							<1
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03					<15
Trichloroethene	N	UG/L	5.00E+00	2.80E-01					<1
Trichlorofluoromethane	N	UG/L		1.10E+02					<2
Vinyl Acetate	N	UG/L		4.10E+01					<2
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02					<1
Xylenes	N	UG/L	1.00E+04	1.90E+01					<0.8
Semi-Volatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01					<0.5
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01					<0.5
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01					<5
1,3-Dinitrobenzene	N	UG/L		2.00E-01					<2
1,4-Dioxane	N	UG/L		4.60E-01					<1
1,4-Naphthoquinone	N	UG/L							<11 R
1-Naphthylamine	N	UG/L							<5
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01					<0.5
2,4,5-Trichlorophenol	N	UG/L		1.20E+02					<0.5
2,4,6-Trichlorophenol	N	UG/L		1.20E+00					<0.5
2,4-Dichlorophenol	N	UG/L		4.60E+00					<0.5
2,4-Dimethylphenol	N	UG/L		3.60E+01					<0.5
2,4-Dinitrophenol	N	UG/L		3.90E+00					<11
2,4-Dinitrotoluene	N	UG/L		2.40E-01					<1
2,6-Dichlorophenol	N	UG/L							<0.5
2,6-Dinitrotoluene	N	UG/L		4.80E-02					<0.5
2-Acetylaminofluorene	N	UG/L		1.60E-02					<2
2-Chloronaphthalene	N	UG/L		7.50E+01					<0.4
2-Chlorophenol	N	UG/L		9.10E+00					<0.5
2-Methylnaphthalene	N	UG/L		3.60E+00					**0.2 J**
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01					<0.5
2-Naphthylamine	N	UG/L		3.90E-02					<5
2-Nitroaniline	N	UG/L		1.90E+01					<0.5
2-Nitrophenol	N	UG/L							<0.5
2-Picoline	N	UG/L							<2
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01					<2
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03					<26
3-Methylcholanthrene	N	UG/L		1.10E-03					<0.5
3-Nitroaniline	N	UG/L							<0.5
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01					<5
4-Aminobiphenyl	N	UG/L		3.00E-03					<0.5
4-Bromophenyl Phenyl Ether	N	UG/L							<0.5
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02					<0.5
4-Chloroaniline	N	UG/L		3.60E-01					<0.5
4-Chlorophenyl Phenyl Ether	N	UG/L							<0.5
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03					<0.5
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02					<0.5
4-Nitroaniline	N	UG/L		3.80E+00					<0.5
4-Nitrophenol	N	UG/L							<11

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SWMU32-35-1-GW	SWMU32-35-3-GW	SWMU32-35-3-GW	SWMU32-35-5
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW1113-SWMU32-35-1	GW1113-SWMU32-35-3	GW1113-SWMU32-35-3-D	P4G-0513-SWMU-32-35-5-35-36
					Sample Name				
					Date Sampled	11/20/2013	11/20/2013	11/20/2013	05/28/2013
					Sample Purpose	FS	FS	DUP	FS
4-Nitroquinoline-N-Oxide	N	UG/L							<21
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00					<0.5
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04					<0.5
Acenaphthene	N	UG/L		5.30E+01					**0.4 J**
Acenaphthylene	N	UG/L		5.30E+01					**0.4 J**
Acetophenone	N	UG/L		1.90E+02					<0.5
Aniline	N	UG/L		1.30E+01					<0.5
Anthracene	N	UG/L		1.80E+02					**1**
Benzo(A)Anthracene	N	UG/L		1.20E-02					**1**
Benzo(B)Fluoranthene	N	UG/L		3.40E-02					**0.9**
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01					**0.4 J**
Benzo(K)Fluoranthene	N	UG/L		3.40E-01					**0.5**
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03					**0.9**
Benzyl Alcohol	N	UG/L		2.00E+02					<5
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00					<0.5
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02					<0.5
Bis(2-Chloroisopropyl)Ether	N	UG/L							<0.5
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00					<2
Butyl Benzyl Phthalate	N	UG/L		1.60E+01					<2
Chlorobenzilate	N	UG/L		3.10E-01					<3
Chrysene	N	UG/L		3.40E+00					**1**
Diallate	N	UG/L		5.20E-01					<1
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03					**0.1 J**
Dibenzofuran	N	UG/L		7.90E-01					**0.8 J**
Diethyl Phthalate	N	UG/L		1.50E+03					<2
Dimethyl Phthalate	N	UG/L							<2
Di-N-Butyl Phthalate	N	UG/L		9.00E+01					<2
Ethyl Methanesulfonate	N	UG/L							<0.5
Fluoranthene	N	UG/L		8.00E+01					**3**
Fluorene	N	UG/L		2.90E+01					**1**
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03					<0.1
Hexachlorobutadiene	N	UG/L		1.40E-01					<0.5
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02					<5
Hexachloroethane	N	UG/L		3.30E-01					<1
Hexachloropropylene	N	UG/L							<2
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02					**0.4 J**
Isodrin	N	UG/L							<0.5
Isophorone	N	UG/L		7.80E+01					<0.5
Isosafrole	N	UG/L							<2
Methapyrilene	N	UG/L							<16
Methyl Methanesulfonate	N	UG/L		7.90E-01					<1
Naphthalene	N	UG/L		1.70E-01					**0.6**
N-Dioctyl Phthalate	N	UG/L		2.00E+01					<2
Nitrobenzene	N	UG/L		1.40E-01					<0.5
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04					<2
N-Nitrosodiethylamine	N	UG/L		1.70E-04					<0.5
N-Nitrosodimethylamine	N	UG/L		1.10E-04					<2
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03					<2
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02					<0.5
N-Nitrosodiphenylamine	N	UG/L		1.20E+01					<0.5
N-Nitrosomorpholine	N	UG/L		1.20E-02					<2
N-Nitrosopiperidine	N	UG/L		8.20E-03					<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SWMU32-35-1-GW	SWMU32-35-3-GW	SWMU32-35-3-GW	SWMU32-35-5
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW1113-SWMU32-35-1	GW1113-SWMU32-35-3	GW1113-SWMU32-35-3-D	P4G-0513-SWMU-32-35-5-35-36
					Sample Name				
					Date Sampled	11/20/2013	11/20/2013	11/20/2013	05/28/2013
					Sample Purpose	FS	FS	DUP	FS
N-Nitrosopyrrolidine	N	UG/L		3.70E-02					<0.5
O,O,O-Triethylphosphorothioate	N	UG/L							<2
O-Toluidine	N	UG/L							<0.5
para-Phenylenediamine	N	UG/L		3.80E+02					<79
Pentachlorobenzene	N	UG/L		3.20E-01					<0.5
Pentachloronitrobenzene	N	UG/L		1.20E-01					<2
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02					<1
Phenacetin	N	UG/L		3.40E+01					<0.5
Phenanthrene	N	UG/L		1.80E+02					**5**
Phenol	N	UG/L		5.80E+02					<0.5
Pyrene	N	UG/L		1.20E+01					**3**
Pyridine	N	UG/L		2.00E+00					<2
Safrole	N	UG/L		9.50E-02					<2
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01					<1
Thionazin	N	UG/L							<2
Dimethoate	N	UG/L		4.00E-01					<3
Pronamide	N	UG/L		1.20E+02					<0.5
Miscellaneous									
Total Organic Carbon	N	UG/L							**4000**
Ammonia	N	UG/L							**6700**

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)
Screening Criteria Notes:
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
R-Unusable result; analyte may or may not be present in the sample
J-Analyte present; reported value may not be accurate or precise

Summary of Groundwater Analytical Results - SWMUs 41A, 48, 73
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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-4	HP-4	HP-4	HP-4
					Field Sample ID	7644883	7645118	7645353	7645357
			Federal MCL	EPA SL Tap Water	Sample Name	BEL-G-HP-4	BEL-G-HP-4-2	BEL-G-HP-4-ACR	BEL-G-HP-4-ACR-2
					Date Sampled	09/27/2000	09/27/2000	09/27/2000	09/27/2000
					Sample Purpose	FS	DUP	FS	DUP
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<1	<1		
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<1	<1		
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<1	<1		
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<1	<1		
1,1-Dichloroethane	N	UG/L		2.70E+00		<1	<1		
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<1	<1		
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<1	<1		
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<2	<2		
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<1	<1		
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01		<1	<1		
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<1	<1		
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<1	<1		
1,3-Dichlorobenzene	N	UG/L				<1	<1		
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01		<1	<1		
2-Hexanone	N	UG/L		3.80E+00		<3	<3		
Acetone	N	UG/L		1.40E+03		<6	<6		
Acetonitrile	N	UG/L		1.30E+01		<25	<25		
Acrolein	N	UG/L		4.20E-03				<40	<40
Acrylonitrile	N	UG/L		5.20E-02				<4	<4
Allyl Chloride	N	UG/L		2.10E-01		<1	<1		
Benzene	N	UG/L	5.00E+00	4.50E-01		<1	<1		
Bromodichloromethane	N	UG/L		1.30E-01		<1	<1		
Bromoform	N	UG/L		3.30E+00		<1	<1		
Carbon Disulfide	N	UG/L		8.10E+01		<1	<1		
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<1	<1		
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		<1	<1		
Chlorodibromomethane	N	UG/L		1.70E-01		<1	<1		
Chloroform	N	UG/L		2.20E-01		<1	<1		
Chloroprene	N	UG/L		1.90E-02		<1	<1		
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<1	<1		
cis-1,3-Dichloropropene	N	UG/L				<1	<1		
Dichlorodifluoromethane	N	UG/L		2.00E+01		<2	<2		
Ethyl Chloride	N	UG/L		2.10E+03		<2	<2		
Ethyl Methacrylate	N	UG/L		4.60E+01		<1	<1		
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<1	<1		
Iodomethane	N	UG/L				<1	<1		
Isobutyl Alcohol	N	UG/L		5.90E+02		<100	<100		
Methacrylonitrile	N	UG/L		1.90E-01		<10	<10		
Methyl Bromide	N	UG/L		7.50E-01		<2	<2		
Methyl Chloride	N	UG/L		1.90E+01		<2	<2		

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-4	HP-4	HP-4	HP-4
			Federal MCL	EPA SL Tap Water	Field Sample ID	7644883	7645118	7645353	7645357
					Sample Name	BEL-G-HP-4	BEL-G-HP-4-2	BEL-G-HP-4-ACR	BEL-G-HP-4-ACR-2
					Date Sampled	09/27/2000	09/27/2000	09/27/2000	09/27/2000
					Sample Purpose	FS	DUP	FS	DUP
Methyl Ethyl Ketone	N	UG/L		5.60E+02		<3	<3		
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<3	<3		
Methyl Methacrylate	N	UG/L		1.40E+02		<1	<1		
Methylene Bromide	N	UG/L		8.00E-01		<1	<1		
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2	<2		
Pentachloroethane	N	UG/L		6.40E-01		<1	<1		
Propionitrile	N	UG/L				<30	<30		
Styrene	N	UG/L	1.00E+02	1.20E+02		<1	<1		
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<1	<1		
Toluene	N	UG/L	1.00E+03	1.10E+02		<1	<1		
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<1	<1		
trans-1,3-Dichloropropene	N	UG/L				<1	<1		
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<15	<15		
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<1	<1		
Trichlorofluoromethane	N	UG/L		1.10E+02		<2 UL	<2 UL		
Vinyl Acetate	N	UG/L		4.10E+01		<2	<2		
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<1	<1		
Xylenes	N	UG/L	1.00E+04	1.90E+01		<1	<1		
Semi-Volatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01		<1	<1		
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01		<1	<1		
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01		<3	<3		
1,3-Dinitrobenzene	N	UG/L		2.00E-01		<1	<1		
1,4-Dioxane	N	UG/L		4.60E-01		<70	<70		
1,4-Naphthoquinone	N	UG/L				<10 R	<10 R		
1-Naphthylamine	N	UG/L				<2	<2		
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01		<3	<3		
2,4,5-Trichlorophenol	N	UG/L		1.20E+02		<2	<2		
2,4,6-Trichlorophenol	N	UG/L		1.20E+00		<2	<2		
2,4-Dichlorophenol	N	UG/L		4.60E+00		<1	<1		
2,4-Dimethylphenol	N	UG/L		3.60E+01		<1	<1		
2,4-Dinitrophenol	N	UG/L		3.90E+00		<19	<20		
2,4-Dinitrotoluene	N	UG/L		2.40E-01		<1	<1		
2,6-Dichlorophenol	N	UG/L				<1	<1		
2,6-Dinitrotoluene	N	UG/L		4.80E-02		<2	<2		
2-Acetylaminofluorene	N	UG/L		1.60E-02		<2	<2		
2-Chloronaphthalene	N	UG/L		7.50E+01		<1	<1		
2-Chlorophenol	N	UG/L		9.10E+00		<1	<1		
2-Methylnaphthalene	N	UG/L		3.60E+00		<1	<1		
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01		<1	<1		
2-Naphthylamine	N	UG/L		3.90E-02		<2	<2		

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-4	HP-4	HP-4	HP-4
					Field Sample ID	7644883	7645118	7645353	7645357
			Federal MCL	EPA SL Tap Water	Sample Name	BEL-G-HP-4	BEL-G-HP-4-2	BEL-G-HP-4-ACR	BEL-G-HP-4-ACR-2
					Date Sampled	09/27/2000	09/27/2000	09/27/2000	09/27/2000
					Sample Purpose	FS	DUP	FS	DUP
2-Nitroaniline	N	UG/L		1.90E+01		<2	<2		
2-Nitrophenol	N	UG/L				<1	<1		
2-Picoline	N	UG/L				<2	<2		
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01		<2	<2		
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03		<5 UL	<5 UL		
3-Methylcholanthrene	N	UG/L		1.10E-03		<2	<2		
3-Nitroaniline	N	UG/L				<2	<2		
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01		<5	<5		
4-Aminobiphenyl	N	UG/L		3.00E-03		<2	<2		
4-Bromophenyl Phenyl Ether	N	UG/L				<2	<2		
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02		<1	<1		
4-Chloroaniline	N	UG/L		3.60E-01		<1	<1		
4-Chlorophenyl Phenyl Ether	N	UG/L				<1	<1		
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03		<2	<2		
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02		<3	<3		
4-Nitroaniline	N	UG/L		3.80E+00		<2	<2		
4-Nitrophenol	N	UG/L				<10 UL	<10 UL		
4-Nitroquinoline-N-Oxide	N	UG/L				<19 R	<20 R		
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00		<2	<2		
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04		<2	<2		
Acenaphthene	N	UG/L		5.30E+01		<1	<1		
Acenaphthylene	N	UG/L		5.30E+01		<1	<1		
Acetophenone	N	UG/L		1.90E+02		<1	<1		
Aniline	N	UG/L		1.30E+01		<1	<1		
Anthracene	N	UG/L		1.80E+02		<1	<1		
Benzo(A)Anthracene	N	UG/L		1.20E-02		<1	<1		
Benzo(B)Fluoranthene	N	UG/L		3.40E-02		<1	<1		
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01		<1	<1		
Benzo(K)Fluoranthene	N	UG/L		3.40E-01		<1	<1		
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03		<1	<1		
Benzyl Alcohol	N	UG/L		2.00E+02		<5	<5		
Bis(2-Chloro-1-Methylethyl) Ether	N	UG/L		3.60E-01		<1	<1		
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00		<1	<1		
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02		<1	<1		
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00		<2	<2		
Butyl Benzyl Phthalate	N	UG/L		1.60E+01		<2	<2		
Chlorobenzilate	N	UG/L		3.10E-01		<3	<3		
Chrysene	N	UG/L		3.40E+00		<1	<1		
Diallate	N	UG/L		5.20E-01		<1	<1		
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03		<1	<1		
Dibenzofuran	N	UG/L		7.90E-01		<1	<1		

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-4	HP-4	HP-4	HP-4
					Field Sample ID	7644883	7645118	7645353	7645357
			Federal MCL	EPA SL Tap Water	Sample Name	BEL-G-HP-4	BEL-G-HP-4-2	BEL-G-HP-4-ACR	BEL-G-HP-4-ACR-2
					Date Sampled	09/27/2000	09/27/2000	09/27/2000	09/27/2000
					Sample Purpose	FS	DUP	FS	DUP
Diethyl Phthalate	N	UG/L		1.50E+03		<2	<2		
Dimethyl Phthalate	N	UG/L				<2	<2		
Di-N-Butyl Phthalate	N	UG/L		9.00E+01		<2	<2		
Ethyl Methanesulfonate	N	UG/L				<1	<1		
Famphur	N	UG/L				<0.21	<0.21		
Fluoranthene	N	UG/L		8.00E+01		<1	<1		
Fluorene	N	UG/L		2.90E+01		<1	<1		
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03		<2	<2		
Hexachlorobutadiene	N	UG/L		1.40E-01		<2	<2		
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02		<5	<5		
Hexachloroethane	N	UG/L		3.30E-01		<1	<1		
Hexachlorophene	N	UG/L		6.00E-01		<0.02 UL	<0.02 UL		
Hexachloropropylene	N	UG/L				<2	<2		
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02		<1	<1		
Isodrin	N	UG/L				<5	<5		
Isophorone	N	UG/L		7.80E+01		<1	<1		
Isosafrole	N	UG/L				<1	<1		
Kepone	N	UG/L		3.50E-03		<1.0	<0.051		
Methapyrilene	N	UG/L				<2	<2		
Methyl Methanesulfonate	N	UG/L		7.90E-01		<1	<1		
Naphthalene	N	UG/L		1.70E-01		<1	<1		
N-Dioctyl Phthalate	N	UG/L		2.00E+01		<2	<2		
Nitrobenzene	N	UG/L		1.40E-01		<1	<1		
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04		<2	<2		
N-Nitrosodiethylamine	N	UG/L		1.70E-04		<1	<1		
N-Nitrosodimethylamine	N	UG/L		1.10E-04		<2	<2		
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03		<1	<1		
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02		<1	<1		
N-Nitrosodiphenylamine	N	UG/L		1.20E+01		<1	<1		
N-Nitrosomorpholine	N	UG/L		1.20E-02		<1	<1		
N-Nitrosopiperidine	N	UG/L		8.20E-03		<1	<1		
N-Nitrosopyrrolidine	N	UG/L		3.70E-02		<2	<2		
O,O,O-Triethylphosphorothioate	N	UG/L				<2	<2		
O-Toluidine	N	UG/L				<2	<2		
para-Phenylenediamine	N	UG/L		3.80E+02		<57 R	<59 R		
Parathion	N	UG/L		8.60E+00		<0.21	<0.21		
Pentachlorobenzene	N	UG/L		3.20E-01		<1	<1		
Pentachloronitrobenzene	N	UG/L		1.20E-01		<2	<2		
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02		<3	<3		
Phenacetin	N	UG/L		3.40E+01		<1	<1		
Phenanthrene	N	UG/L		1.80E+02		<1	<1		

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-4	HP-4	HP-4	HP-4
			Federal MCL	EPA SL Tap Water	Field Sample ID	7644883	7645118	7645353	7645357
					Sample Name	BEL-G-HP-4	BEL-G-HP-4-2	BEL-G-HP-4-ACR	BEL-G-HP-4-ACR-2
					Date Sampled	09/27/2000	09/27/2000	09/27/2000	09/27/2000
					Sample Purpose	FS	DUP	FS	DUP
Phenol	N	UG/L		5.80E+02		<1	<1		
Pyrene	N	UG/L		1.20E+01		<1	<1		
Pyridine	N	UG/L		2.00E+00		<2	<2		
Safrole	N	UG/L		9.50E-02		<1	<1		
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01		<1	<1		
Thionazin	N	UG/L				<3	<3		
Pesticides and PCBs									
4,4'-DDD	N	UG/L		3.10E-02		<0.086	<0.0044		
4,4'-DDE	N	UG/L		4.60E-02		<0.086	<0.0044		
4,4'-DDT	N	UG/L		2.30E-01		<0.086	<0.0044		
Aldrin	N	UG/L		9.20E-04		<0.043	<0.0022		
Alpha-BHC	N	UG/L		7.10E-03		**0.070 J**	<0.0022		
beta-BHC	N	UG/L		2.50E-02		<0.043	**0.0053 J**		
Chlordane	N	UG/L	2.00E+00			<1.1	<0.055		
delta-BHC	N	UG/L				<0.12	**0.024**		
Dieldrin	N	UG/L		1.70E-03		<0.086	<0.0044		
Dimethoate	N	UG/L		4.00E-01		<3 UL	<3 UL		
Disulfoton	N	UG/L		5.00E-02		<0.21	<0.21		
Endosulfan I	N	UG/L		1.00E+01		<0.043	**0.0051 J**		
Endosulfan II	N	UG/L		1.00E+01		<0.086	<0.0044		
Endosulfan Sulfate	N	UG/L		1.00E+01		<0.086	<0.0044		
Endrin	N	UG/L	2.00E+00	2.30E-01		<0.086	<0.0044		
Endrin Aldehyde	N	UG/L		2.30E-01		<0.086	<0.0044		
Heptachlor	N	UG/L	4.00E-01	1.40E-03		<0.043	**0.0086 J**		
Heptachlor Epoxide	N	UG/L	2.00E-01	1.40E-03		<0.043	<0.0022		
Lindane	N	UG/L	2.00E-01	4.10E-02		<0.043	**0.0032 J**		
Methoxychlor	N	UG/L	4.00E+01	3.70E+00		<0.43	<0.022		
Methyl Parathion	N	UG/L		4.50E-01		<0.21	<0.21		
Phorate	N	UG/L		3.00E-01		**0.62**	**0.63**		
Toxaphene	N	UG/L	3.00E+00	1.50E-02		<6.4	<0.33		
PCB 1016	N	UG/L		1.40E-01		<2.1	<0.11		
PCB 1221	N	UG/L		4.60E-03		<2.1	<0.11		
PCB 1232	N	UG/L		4.60E-03		<2.1	<0.11		
PCB 1242	N	UG/L		7.80E-03		<2.1	<0.11		
PCB 1248	N	UG/L		7.80E-03		<2.1	<0.11		
PCB 1254	N	UG/L		7.80E-03		<2.1	<0.11		
PCB 1260	N	UG/L		7.80E-03		<2.1	<0.11		
2,4,5-T	N	UG/L		1.60E+01		**0.153**	**0.013 J**		
2,4-Dichlorophenoxyacetic Acid	N	UG/L	7.00E+01	1.70E+01		<0.10	<0.11		
Dinoseb	N	UG/L	7.00E+00	1.50E+00		<0.052 UL	<0.053 UL		
Pronamide	N	UG/L		1.20E+02		<2	<2		

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	HP-4	HP-4	HP-4	HP-4
					Field Sample ID	7644883	7645118	7645353	7645357
			Federal MCL	EPA SL Tap Water	Sample Name	BEL-G-HP-4	BEL-G-HP-4-2	BEL-G-HP-4-ACR	BEL-G-HP-4-ACR-2
					Date Sampled	09/27/2000	09/27/2000	09/27/2000	09/27/2000
					Sample Purpose	FS	DUP	FS	DUP
Silvex	N	UG/L	5.00E+01	1.10E+01		**0.042 J**	<0.011		
Inorganics									
Antimony	N	UG/L	6.00E+00	7.80E-01		<0.76	<0.76		
Arsenic	N	UG/L	1.00E+01	5.20E-02		<1.2	<1.2		
Barium	N	UG/L	2.00E+03	3.80E+02		**225**	**230**		
Beryllium	N	UG/L	4.00E+00	2.50E+00		<1.9	<1.9		
Cadmium	N	UG/L	5.00E+00	9.20E-01		<3.6	<3.6		
Chromium	N	UG/L	1.00E+02	2.20E+03		<6.6	<6.6		
Cobalt	N	UG/L		6.00E-01		<7.1	<7.1		
Copper	N	UG/L	1.30E+03	8.00E+01		<2.7	<2.7		
Lead	N	UG/L	1.50E+01	1.50E+01		<1.9	<1.9		
Mercury	N	UG/L	2.00E+00	6.30E-02		<0.048	<0.048		
Nickel	N	UG/L		3.90E+01		<8.4	<8.4		
Selenium	N	UG/L	5.00E+01	1.00E+01		**2.1 B**	**1.3 B**		
Silver	N	UG/L		9.40E+00		<3.6	<3.6		
Thallium	N	UG/L	2.00E+00	2.00E-02		<0.20	<0.20		
Tin	N	UG/L		1.20E+03		<15.0	<15.0		
Vanadium	N	UG/L		8.60E+00		<2.6	<2.6		
Zinc	N	UG/L		6.00E+02		**9.0 B**	<8.6		
Miscellaneous									
Cyanide	N	UG/L	2.00E+02	1.50E-01		**4.5 J**	**8.9**		
Sulfide	N	UG/L				**730 J**	**1240 J**		

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

Summary of Analytical Results - SWMUs 41A, 48, 73 - Comparison to SSLs
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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-4	HP-4	SWMU-48-2	SWMU-48-2	SWMU-48-3	SWMU41A-1	SWMU41A-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7644402	7644642	28612626	28612627	28612624	28623468	28623470
					Sample Name	BEL-S-HP-4(7.5-9.0)-2	BEL-S-HP-4(7.5-9.0)	BEL-S-SWMU-48-2(3-4)	BEL-S-SWMU-48-2(8-9)	BEL-S-SWMU-48-3(18-19)	BEL-S-SWMU41A-1(19-20)	BEL-S-SWMU41A-2(2.5-3.5)
					Date Sampled	09/26/2000	09/26/2000	11/30/2012	11/30/2012	11/30/2012	12/03/2012	12/03/2012
					Start Depth - End Depth	7.5 - 9	7.5 - 9	3 - 4	8 - 9	18 - 19	19 - 20	2.5 - 3.5
					Sample Purpose	DUP	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	NativeSoil	Fill
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020	<0.0020	<0.0040 UL	<0.1000	<0.0020 UL	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0420	<0.0420	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0420	<0.0420	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0420	<0.0420	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01			<0.0030	<0.0030	<0.0060	<0.1600	<0.0030	<0.0030	<0.0030
Acetone	MG/KG		5.80E+01			**0.0780 K**	**0.0680 K**	**0.0210 J**	<0.3600	**0.0120 J**	**0.0140 J**	**0.0110 J**
Acetonitrile	MG/KG		5.20E-01			<0.0290	<0.0270	<0.0500	<1.3000	<0.0260	<0.0250	<0.0260
Acrolein	MG/KG		1.68E-04			<0.0230	<0.0210	<0.0400	<1.0000	<0.0210	<0.0200	<0.0200
Acrylonitrile	MG/KG		2.20E-04			<0.0050	<0.0040	<0.0080	<0.2100	<0.0040	<0.0040	<0.0040
Allyl Chloride	MG/KG		4.60E-03			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			**0.0020 J**	**0.0020 J**	**0.0060 J**	<0.0260	<0.00050	<0.00050	**0.0050**
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			**0.0010 J**	**0.0020 J**	**0.011**	<0.0520	<0.0010	<0.0010	**0.0010 J**
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.0010	<0.0010	**0.053**	<0.0520	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020	<0.0020	<0.0040	<0.1000	<0.0020	<0.0020	<0.0020
Ethyl Chloride	MG/KG		1.18E+02			<0.0020	<0.0020	<0.0040	<0.1000	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03									
Iodomethane	MG/KG					<0.0030	<0.0030	<0.0060	<0.1600	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1100	<0.1100	<0.2000	<5.2000	<0.1100	<0.0980	<0.1000
Methacrylonitrile	MG/KG		8.60E-03			<0.0060	<0.0050	<0.0100	<0.2600	<0.0050	<0.0050	<0.0050
Methyl Bromide	MG/KG		3.80E-02			<0.0020	<0.0020	<0.0040	<0.1000	<0.0020	<0.0020	<0.0020
Methyl Chloride	MG/KG		9.80E-01			<0.0020	<0.0020	<0.0040	<0.1000	<0.0020	<0.0020	<0.0020

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-4	HP-4	SWMU-48-2	SWMU-48-2	SWMU-48-3	SWMU41A-1	SWMU41A-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7644402	7644642	28612626	28612627	28612624	28623468	28623470
					Sample Name	BEL-S-HP-4(7.5-9.0)-2	BEL-S-HP-4(7.5-9.0)	BEL-S-SWMU-48-2(3-4)	BEL-S-SWMU-48-2(8-9)	BEL-S-SWMU-48-3(18-19)	BEL-S-SWMU41A-1(19-20)	BEL-S-SWMU41A-2(2.5-3.5)
					Date Sampled	09/26/2000	09/26/2000	11/30/2012	11/30/2012	11/30/2012	12/03/2012	12/03/2012
					Start Depth - End Depth	7.5 - 9	7.5 - 9	3 - 4	8 - 9	18 - 19	19 - 20	2.5 - 3.5
					Sample Purpose	DUP	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	NativeSoil	Fill
Methyl Ethyl Ketone	MG/KG		2.40E+01			**0.1700**	**0.1300**	<0.0080	<0.2100	<0.0040	<0.0040	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0030	<0.0060	<0.1600	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020	<0.0020	<0.0040	<0.1000	<0.0020	<0.0020	<0.0020
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0340	<0.0320	<0.0600	<1.6000	<0.0320	<0.0290	<0.0310
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			**0.0010 J**	<0.0010	<0.0020	**0.34**	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0110	<0.0110	<0.0200	<0.5200	<0.0110	<0.0100	<0.0100
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020	<0.0040	<0.1000	<0.0020	<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020	<0.0040	<0.1000	<0.0020	<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010	<0.0010	<0.0020	<0.0520	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			**0.0030 J**	**0.0020 J**	<0.0020	**0.39**	<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds												
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2100	<0.2100	<1.1000	<0.2100	<0.2100	<0.2000	<2.0000
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0420	<0.0420	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
1,4-Dioxane	MG/KG		1.88E-03			<0.0800	<0.0750	<0.6600	<0.1300	<0.1200	<0.1200	<1.2000
1,4-Naphthoquinone	MG/KG					<1.0000 UL	<1.0000 UL	<5.5000	<1.1000	<1.0000	<0.9900	<9.9000
1-Naphthylamine	MG/KG					<0.2100 UL	<0.2100 UL	<1.1000	<0.2100	<0.2100	<0.2000	<2.0000
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.8500	<0.8400	<2.0000	<0.3800	<0.3700	<0.3600	<3.5000
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0420	<0.0420	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
2,6-Dichlorophenol	MG/KG					<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0420	<0.0420	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0420	<0.0420	<0.0460	<0.0090	<0.0090	<0.0080	<0.0830
2-Chlorophenol	MG/KG		1.48E+00			<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.1800 J**	**0.1700 J**	**0.0220 J**	**0.17**	<0.0040	<0.0040	**0.27**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
2-Naphthylamine	MG/KG		4.00E-03			<0.2100 R	<0.2100 R	<1.1000	<0.2100	<0.2100	<0.2000	<2.0000
2-Nitroaniline	MG/KG		1.60E+00			<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-4	HP-4	SWMU-48-2	SWMU-48-2	SWMU-48-3	SWMU41A-1	SWMU41A-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7644402	7644642	28612626	28612627	28612624	28623468	28623470
					Sample Name	BEL-S-HP-4(7.5-9.0)-2	BEL-S-HP-4(7.5-9.0)	BEL-S-SWMU-48-2(3-4)	BEL-S-SWMU-48-2(8-9)	BEL-S-SWMU-48-3(18-19)	BEL-S-SWMU41A-1(19-20)	BEL-S-SWMU41A-2(2.5-3.5)
					Date Sampled	09/26/2000	09/26/2000	11/30/2012	11/30/2012	11/30/2012	12/03/2012	12/03/2012
					Start Depth - End Depth	7.5 - 9	7.5 - 9	3 - 4	8 - 9	18 - 19	19 - 20	2.5 - 3.5
					Sample Purpose	DUP	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	NativeSoil	Fill
2-Nitrophenol	MG/KG					<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
2-Picoline	MG/KG					<0.0850	<0.0840	<0.6600	<0.1300	<0.1200	<0.1200	<1.2000
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.0850	<0.0840	<0.6600	<0.1300	<0.1200	<0.1200	<1.2000
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.2100	<0.2100	<3.3000	<0.6400	<0.6200	<0.6000	<5.9000
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
3-Nitroaniline	MG/KG					<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2100	<0.2100	<1.1000	<0.2100	<0.2100	<0.2000	<2.0000
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2100 UL	<0.2100 UL	<1.1000	<0.2100	<0.2100	<0.2000	<2.0000
4-Bromophenyl Phenyl Ether	MG/KG					<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
4-Chloroaniline	MG/KG		3.20E-03			<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0420	<0.0420	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
4-Nitroaniline	MG/KG		3.20E-02			<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
4-Nitrophenol	MG/KG					<0.2100	<0.2100	<1.1000	<0.2100	<0.2100	<0.2000	<2.0000
4-Nitroquinoline-N-Oxide	MG/KG					<0.4200	<0.4200	<2.2000	<0.4200	<0.4100	<0.4000	<3.9000
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2100 UL	<0.2100 UL	<1.1000	<0.2100	<0.2100	<0.2000	<2.0000
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0420	<0.0420	<0.0220	<0.0040	<0.0040	<0.0040	**0.1300 J**
Acenaphthylene	MG/KG			3.10E-01		<0.0420	<0.0420	<0.0220	<0.0040	<0.0040	<0.0040	<0.0390
Acetophenone	MG/KG		1.16E+01			<0.0420	<0.0420	<0.1100	**0.0220 J**	<0.0210	<0.0200	<0.2000
Aniline	MG/KG		9.20E-02			<0.0850	<0.0840	<1.1000	<0.2100	<0.2100	<0.2000	<2.0000
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0420	<0.0420	<0.0220	<0.0040	<0.0040	<0.0040	**0.25**
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		<0.0420	<0.0420	<0.0220	**0.0110 J**	<0.0040	<0.0040	**0.53**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		<0.0420	<0.0420	<0.0220	**0.0160 J**	<0.0040	<0.0040	**0.56**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		<0.0420	<0.0420	<0.0220	**0.0150 J**	<0.0040	<0.0040	**0.36**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		<0.0420	<0.0420	<0.0220	<0.0040	<0.0040	<0.0040	**0.27**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		<0.0420	<0.0420	<0.0220	**0.0120 J**	<0.0040	<0.0040	**0.52**
Benzyl Alcohol	MG/KG		9.60E+00			<0.2100	<0.2100	<1.1000	<0.2100	<0.2100	<0.2000	<2.0000
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03			<0.0420	<0.0420					
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
Bis(2-Chloroisopropyl)Ether	MG/KG							<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
Chlorobenzilate	MG/KG		2.00E-02			<0.0850	<0.0840	<0.2200	<0.0420	<0.0410	<0.0400	<0.3900
Chrysene	MG/KG		2.40E+01	1.50E+00		<0.0420	<0.0420	<0.0220	**0.0190 J**	<0.0040	<0.0040	**0.47**
Diallate	MG/KG		1.56E-02			<0.0850	<0.0840	<0.2200	<0.0420	<0.0410	<0.0400	<0.3900
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0420	<0.0420	<0.0220	<0.0040	<0.0040	<0.0040	**0.0470 J**
Dibenzofuran	MG/KG		3.00E+00			<0.0420	<0.0420	<0.1100	**0.0410 J**	<0.0210	<0.0200	<0.2000
Diethyl Phthalate	MG/KG		1.22E+02			<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-4	HP-4	SWMU-48-2	SWMU-48-2	SWMU-48-3	SWMU41A-1	SWMU41A-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7644402	7644642	28612626	28612627	28612624	28623468	28623470
					Sample Name	BEL-S-HP-4(7.5-9.0)-2	BEL-S-HP-4(7.5-9.0)	BEL-S-SWMU-48-2(3-4)	BEL-S-SWMU-48-2(8-9)	BEL-S-SWMU-48-3(18-19)	BEL-S-SWMU41A-1(19-20)	BEL-S-SWMU41A-2(2.5-3.5)
					Date Sampled	09/26/2000	09/26/2000	11/30/2012	11/30/2012	11/30/2012	12/03/2012	12/03/2012
					Start Depth - End Depth	7.5 - 9	7.5 - 9	3 - 4	8 - 9	18 - 19	19 - 20	2.5 - 3.5
					Sample Purpose	DUP	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	NativeSoil	Fill
Dimethoate	MG/KG		1.80E-02			<0.1300	<0.1300	<1.1000 UL	<0.2100 UL	<0.2100 UL	<0.2000 UL	<2.0000 UL
Dimethyl Phthalate	MG/KG					<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
Ethyl Methanesulfonate	MG/KG					<0.0420	<0.0420	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
Famphur	MG/KG					<0.00850	<0.00840					
Fluoranthene	MG/KG		1.78E+03	1.90E+00		<0.0420	<0.0420	<0.0220	**0.0150 J**	<0.0040	<0.0040	**1.1**
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.0420	<0.0420	<0.0220	**0.0050 J**	<0.0040	<0.0040	**0.0810 J**
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0420	<0.0420	<0.0220	<0.0040	<0.0040	<0.0040	**0.0700 J**
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2100	<0.2100	<1.1000	<0.2100	<0.2100	<0.2000	<2.0000
Hexachloroethane	MG/KG		4.00E-03			<0.0420	<0.0420	<0.2200	<0.0420	<0.0410	<0.0400	<0.3900
Hexachlorophene	MG/KG		1.60E+02			<0.0030 UL	<0.0030 UL					
Hexachloropropylene	MG/KG					<0.0850	<0.0840	<0.6600	<0.1300	<0.1200	<0.1200	<1.2000
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		<0.0420	<0.0420	<0.0220	<0.0040	<0.0040	<0.0040	**0.35**
Isodrin	MG/KG					<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
Isophorone	MG/KG		5.20E-01			<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
Isosafrole	MG/KG					<0.0420	<0.0420	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
Kepone	MG/KG		2.40E-03			<0.000850	<0.00840					
Methapyrilene	MG/KG					<0.0420	<0.0420	<11.0000	<2.1000	<2.1000	<2.0000	<20.0000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0420	<0.0420	<0.2200	<0.0420	<0.0410	<0.0400	<0.3900
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.7700**	**0.5500**	**0.0360 J**	**0.13**	<0.0040	<0.0040	**0.39**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
Nitrobenzene	MG/KG		1.84E-03			<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			**0.4200**	**0.3400 J**	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
O,O,O-Triethylphosphorothioate	MG/KG					<0.1300	<0.1300	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
O-Toluidine	MG/KG					<0.0850	<0.0840	<1.3000	<0.2500	<0.2500	<0.2400	<2.4000
para-Phenylenediamine	MG/KG		2.00E+01			<2.5000 UL	<2.5000 UL	<77.0000	<15.0000	<14.0000	<14.0000	<140.0000
Parathion	MG/KG		8.60E+00			<0.00850	<0.00840					
Pentachlorobenzene	MG/KG		4.80E-01			<0.0420	<0.0420	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0420	<0.0420	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.2100	<0.2100	<0.2200	<0.0420	<0.0410	<0.0400	<0.3900
Phenacetin	MG/KG		1.94E-01			<0.0420	<0.0420	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
Phenanthrene	MG/KG			8.70E-01		**0.0640 J**	**0.0580 J**	**0.0240 J**	**0.07**	<0.0040	**0.0060 J**	**1.1**
Phenol	MG/KG		6.60E+01			<0.0850	<0.0840	<0.1100	<0.0210	<0.0210	<0.0200	<0.2000

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-4	HP-4	SWMU-48-2	SWMU-48-2	SWMU-48-3	SWMU41A-1	SWMU41A-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7644402	7644642	28612626	28612627	28612624	28623468	28623470
					Sample Name	BEL-S-HP-4(7.5-9.0)-2	BEL-S-HP-4(7.5-9.0)	BEL-S-SWMU-48-2(3-4)	BEL-S-SWMU-48-2(8-9)	BEL-S-SWMU-48-3(18-19)	BEL-S-SWMU41A-1(19-20)	BEL-S-SWMU41A-2(2.5-3.5)
					Date Sampled	09/26/2000	09/26/2000	11/30/2012	11/30/2012	11/30/2012	12/03/2012	12/03/2012
					Start Depth - End Depth	7.5 - 9	7.5 - 9	3 - 4	8 - 9	18 - 19	19 - 20	2.5 - 3.5
					Sample Purpose	DUP	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	NativeSoil	Fill
Pronamide	MG/KG		2.40E+01			<0.2100	<0.2100	<0.2200	<0.0420	<0.0410	<0.0400	<0.3900
Pyrene	MG/KG		2.60E+02	1.50E+00		<0.0420	<0.0420	<0.0220	**0.0150 J**	<0.0040	<0.0040	**1.1**
Pyridine	MG/KG		1.36E-01			<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
Safrole	MG/KG		1.18E-03			<0.0420	<0.0420	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
Thionazin	MG/KG					<0.0850	<0.0840	<0.4400	<0.0850	<0.0830	<0.0790	<0.7900
Pesticides and PCBs												
4,4'-DDD	MG/KG		1.44E-01			<0.000160	<0.00160					
4,4'-DDE	MG/KG		2.20E-01			<0.000160	<0.00160					
4,4'-DDT	MG/KG		1.54E+00			<0.000160	<0.00160					
Aldrin	MG/KG		3.00E-03			<0.0000850	<0.000840					
Alpha-BHC	MG/KG		8.20E-04			**0.000890**	**0.001690 J**					
beta-BHC	MG/KG		2.80E-03			<0.000190	<0.00190					
Chlordane	MG/KG					<0.00420	<0.0420					
delta-BHC	MG/KG					**0.0002560 J**	<0.000840					
Dieldrin	MG/KG		1.38E-03			<0.000160	<0.00160					
Disulfoton	MG/KG		1.88E-02			<0.00850	<0.00840					
Endosulfan I	MG/KG					**0.0003010 J**	<0.000840					
Endosulfan II	MG/KG					<0.000160	<0.00160					
Endosulfan Sulfate	MG/KG					<0.000160	<0.00160					
Endrin	MG/KG	1.62E+00	1.84E+00			<0.000160	<0.00160					
Endrin Aldehyde	MG/KG					**0.000550 J**	<0.00160					
Heptachlor	MG/KG	6.60E-01	2.20E-03			<0.0000850	<0.000840					
Heptachlor Epoxide	MG/KG	8.20E-02	5.60E-04			<0.0000850	<0.000840					
Lindane	MG/KG	2.40E-02	4.80E-03			<0.0000850	<0.000840					
Methoxychlor	MG/KG	4.40E+01	4.00E+01			<0.000850	<0.00840					
Methyl Parathion	MG/KG		1.48E-01			<0.00850	<0.00840					
Phorate	MG/KG		6.80E-02			<0.00850	<0.00840					
Toxaphene	MG/KG	9.20E+00	4.80E-02			<0.00850	<0.0840					
PCB 1016	MG/KG		4.20E-01			<0.00420	<0.0420					
PCB 1221	MG/KG		1.58E-03			<0.00980	<0.0980					
PCB 1232	MG/KG		1.58E-03			<0.00420	<0.0420					
PCB 1242	MG/KG		2.40E-02			<0.00420	<0.0420					
PCB 1248	MG/KG		2.40E-02			<0.00420	<0.0420					
PCB 1254	MG/KG		4.00E-02			<0.00420	<0.0420					
PCB 1260	MG/KG		1.10E-01			<0.00420	<0.0420					
2,4,5-T	MG/KG		1.34E+00			<0.000510	**0.000980 J**					
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01			<0.00420	<0.00420					
Dinoseb	MG/KG	1.24E+00	2.60E+00			<0.00480 R	<0.00480 R					
Silvex	MG/KG	5.60E-01	1.22E+00			<0.000420	<0.000420					
Inorganics												
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		<2.8	<2.7	**2.23**	**0.162 J**	**0.112 J**	<0.0770	**0.221 J**

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	HP-4	HP-4	SWMU-48-2	SWMU-48-2	SWMU-48-3	SWMU41A-1	SWMU41A-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	7644402	7644642	28612626	28612627	28612624	28623468	28623470
					Sample Name	BEL-S-HP-4(7.5-9.0)-2	BEL-S-HP-4(7.5-9.0)	BEL-S-SWMU-48-2(3-4)	BEL-S-SWMU-48-2(8-9)	BEL-S-SWMU-48-3(18-19)	BEL-S-SWMU41A-1(19-20)	BEL-S-SWMU41A-2(2.5-3.5)
					Date Sampled	09/26/2000	09/26/2000	11/30/2012	11/30/2012	11/30/2012	12/03/2012	12/03/2012
					Start Depth - End Depth	7.5 - 9	7.5 - 9	3 - 4	8 - 9	18 - 19	19 - 20	2.5 - 3.5
					Sample Purpose	DUP	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Fill	Native Soil	Native Soil	NativeSoil	Fill
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**4.4**	**5.9**	**20.9**	**6.58**	**6.34**	**5.92**	**3.48**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**162**	**196**	**54.9**	**252**	**166**	**92.3**	**337**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**1.5**	**1.8**	**0.529 J**	**1.56**	**1.29**	**1.14**	**0.952**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		**0.37 J**	**0.86 J**	**0.0812 J**	<0.0416	<0.0404	**0.0693 J**	**0.644**
Chromium	MG/KG	3.60E+06		4.40E+01		**25.8**	**26.6**	**11.8 K**	**26.6 K**	**22.4 K**	**15.9 K**	**101 K**
Cobalt	MG/KG		5.40E+00	2.23E+01		**11.1**	**29.5**	**11**	**13.4**	**29.1**	**11.6**	**9.27**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**18.1**	**21.8**	**70.7**	**26.1**	**20.6**	**16.0 K**	**412 K**
Lead	MG/KG	2.80E+02		1.06E+02		**18**	**19.7**	**51.5**	**21.6**	**19.6**	**11.3**	**22.5**
Mercury	MG/KG	2.00E+00		4.14E+00		**0.018 J**	**0.016 J**	**1.5**	**0.0576 J**	**0.0275 J**	**0.0314 J**	**8.15**
Nickel	MG/KG		5.20E+02	2.59E+01		**24**	**27.9**	**16.5**	**30.4**	**26**	**16.1**	**22.4**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.66 J**	**1.1 J**	**1.38**	**0.306 J**	**0.155 J**	**0.165 J**	**0.228 J**
Silver	MG/KG		1.60E+01			<0.39	**1.8 J**	**1.7**	<0.176	<0.172	<0.162	**0.593**
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		<0.58	<0.58	**0.125 J**	**0.268**	**0.244**	**0.146**	**0.0918 J**
Tin	MG/KG		6.00E+04			<4.7	<4.6	**3.44 B**	**3.07 B**	**2.86 B**	**2.73 B**	**3.56 B**
Vanadium	MG/KG		1.72E+03	6.74E+01		**35.8**	**37.1**	**13.6 K**	**35.6 K**	**33.5 K**	**21**	**23.4**
Zinc	MG/KG		7.40E+03	1.33E+02		**79.3**	**83.4**	**18.1**	**120**	**80.6**	**55**	**125**
Miscellaneous												
Total Organic Carbon	MG/KG											
Ammonia	MG/KG											
Cyanide	MG/KG	4.00E+01	3.00E-01			<0.2200	<0.2300					
Percent Moisture	%							**23.9**	**21.4**	**19.2**	**16**	**15.4**
Percent Moisture	% BY WT.					**20.8**	**20.5**					
Sulfide	MG/KG					<5.1	<5.0					

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU41A-2	SWMU75-1	SWMU75-1	SWMU75-1	SWMU75-1	SWMU79-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28623471	28636839	28636840	28636841	28636842	28608629
					Sample Name	BEL-S-SWMU41A-2(12-13)	BEL-S-SWMU-75-1(3-4)	BEL-S-SWMU-75-1(7-8)	BEL-S-SWMU-75-1(10.5-11.5)	BEL-S-SWMU-75-1(24-25)	BEL-S-SWMU-79-1(3-4)
					Date Sampled	12/03/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012
					Start Depth - End Depth	12 - 13	3 - 4	7 - 8	10.5 - 11.5	24 - 25	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil	Fill
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020	<0.0040 UL	<0.0020 UL	<0.0020 UL	<0.0020 UL	<0.0030 UL
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01			<0.0030	<0.0060	<0.0030	<0.0030	<0.0030	<0.0040
Acetone	MG/KG		5.80E+01			**0.0070 J**	**0.0140 J**	**0.0100 J**	<0.0070	<0.0070	**0.0460**
Acetonitrile	MG/KG		5.20E-01			<0.0240	<0.0460	<0.0240	<0.0240	<0.0260	<0.0340
Acrolein	MG/KG		1.68E-04			<0.0190	<0.0370	<0.0190	<0.0190	<0.0210	<0.0280
Acrylonitrile	MG/KG		2.20E-04			<0.0040	<0.0070	<0.0040	<0.0040	<0.0040	<0.0060
Allyl Chloride	MG/KG		4.60E-03			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			<0.00050	**0.0020 J**	<0.00050	<0.00050	<0.00050	**0.00080 J**
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			<0.00090	**0.0070 J**	**0.0010 J**	<0.0010	<0.0010	**0.0030 J**
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.00090	**0.0050 J**	<0.0010	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<0.0030
Ethyl Chloride	MG/KG		1.18E+02			<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<0.0030
Ethyl Methacrylate	MG/KG		2.20E+00			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03								
Iodomethane	MG/KG					<0.0030	<0.0060	<0.0030	<0.0030	<0.0030	<0.0040
Isobutyl Alcohol	MG/KG		2.40E+01			<0.0950	<0.1800	<0.0960	<0.0960	<0.1000	<0.1400
Methacrylonitrile	MG/KG		8.60E-03			<0.0050	<0.0090	<0.0050	<0.0050	<0.0050	<0.0070
Methyl Bromide	MG/KG		3.80E-02			<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<0.0030
Methyl Chloride	MG/KG		9.80E-01			<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<0.0030

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28623471	28636839	28636840	28636841	28636842	28608629
					Sample Name	BEL-S-SWMU41A-2(12-13)	BEL-S-SWMU-75-1(3-4)	BEL-S-SWMU-75-1(7-8)	BEL-S-SWMU-75-1(10.5-11.5)	BEL-S-SWMU-75-1(24-25)	BEL-S-SWMU-79-1(3-4)
					Date Sampled	12/03/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012
					Start Depth - End Depth	12 - 13	3 - 4	7 - 8	10.5 - 11.5	24 - 25	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil	Fill
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0040	<0.0070	<0.0040	<0.0040	<0.0040	**0.0120 J**
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0060	<0.0030	<0.0030	<0.0030	**0.0090 J**
Methyl Methacrylate	MG/KG		6.00E+00			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<0.0030
Pentachloroethane	MG/KG		6.20E-03			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0280	<0.0550	<0.0290	<0.0290	<0.0310	<0.0410
Styrene	MG/KG	2.20E+00	2.60E+01			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0090	<0.0180	<0.0100	<0.0100	<0.0100	<0.0140
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<0.0030
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<0.0030
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.00090	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2100	<0.9400	<0.2000	<0.2000	<0.2100	<1.0000
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
1,4-Dioxane	MG/KG		1.88E-03			<0.1200	<0.5600	<0.1200	<0.1200	<0.1300	<0.6100
1,4-Naphthoquinone	MG/KG					<1.0000	<4.7000	<1.0000	<1.0000	<1.1000	<5.1000
1-Naphthylamine	MG/KG					<0.2100	<0.9400	<0.2000	<0.2000	<0.2100	<1.0000
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3700 UL	<1.7000	<0.3600	<0.3700	<0.3800	<1.8000
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
2,6-Dichlorophenol	MG/KG					<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0090	<0.0390	<0.0080	<0.0090	<0.0090	<0.0430
2-Chlorophenol	MG/KG		1.48E+00			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		<0.0040	**0.099**	**0.0120 J**	<0.0040	**0.0050 J**	**0.26**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
2-Naphthylamine	MG/KG		4.00E-03			<0.2100	<0.9400	<0.2000	<0.2000	<0.2100	<1.0000 UL
2-Nitroaniline	MG/KG		1.60E+00			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU41A-2	SWMU75-1	SWMU75-1	SWMU75-1	SWMU75-1	SWMU79-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28623471	28636839	28636840	28636841	28636842	28608629
					Sample Name	BEL-S-SWMU41A-2(12-13)	BEL-S-SWMU-75-1(3-4)	BEL-S-SWMU-75-1(7-8)	BEL-S-SWMU-75-1(10.5-11.5)	BEL-S-SWMU-75-1(24-25)	BEL-S-SWMU-79-1(3-4)
					Date Sampled	12/03/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012
					Start Depth - End Depth	12 - 13	3 - 4	7 - 8	10.5 - 11.5	24 - 25	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil	Fill
2-Nitrophenol	MG/KG					<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
2-Picoline	MG/KG					<0.1200	<0.5600	<0.1200	<0.1200	<0.1300	<0.6100
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1200	<0.5600	<0.1200	<0.1200	<0.1300	<0.6100
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.6200	<2.8000	<0.6000	<0.6100	<0.6400	<3.0000
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
3-Nitroaniline	MG/KG					<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2100	<0.9400	<0.2000	<0.2000	<0.2100	<1.0000
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2100	<0.9400	<0.2000	<0.2000	<0.2100	<1.0000
4-Bromophenyl Phenyl Ether	MG/KG					<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
4-Chloroaniline	MG/KG		3.20E-03			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	**0.1300 J**
4-Nitroaniline	MG/KG		3.20E-02			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
4-Nitrophenol	MG/KG					<0.2100	<0.9400	<0.2000	<0.2000	<0.2100	<1.0000
4-Nitroquinoline-N-Oxide	MG/KG					<0.4100	<1.9000	<0.4000	<0.4100	<0.4300	<2.0000
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2100	<0.9400	<0.2000	<0.2000	<0.2100	<1.0000
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0040	<0.0190	<0.0040	<0.0040	<0.0040	<0.0200
Acenaphthylene	MG/KG			3.10E-01		<0.0040	**0.22**	<0.0040	<0.0040	<0.0040	**0.0670 J**
Acetophenone	MG/KG		1.16E+01			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
Aniline	MG/KG		9.20E-02			<0.2100	<0.9400	<0.2000	<0.2000	<0.2100	<1.0000
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0040	**0.2**	<0.0040	<0.0040	<0.0040	**0.0760 J**
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		<0.0040	**0.46**	<0.0040	<0.0040	<0.0040	**0.11**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		<0.0040	**0.65**	**0.0060 J**	<0.0040	**0.0070 J**	**0.21**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		<0.0040	**0.33**	<0.0040	<0.0040	<0.0040	**0.11**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		<0.0040	**0.23**	<0.0040	<0.0040	<0.0040	**0.0470 J**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		<0.0040	**0.39**	<0.0040	<0.0040	<0.0040	**0.1**
Benzyl Alcohol	MG/KG		9.60E+00			<0.2100	<0.9400	<0.2000	<0.2000	<0.2100	<1.0000
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03								
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
Chlorobenzilate	MG/KG		2.00E-02			<0.0410	<0.1900	<0.0400	<0.0410	<0.0430	<0.2000
Chrysene	MG/KG		2.40E+01	1.50E+00		<0.0040	**0.57**	**0.0060 J**	<0.0040	<0.0040	**0.16**
Diallate	MG/KG		1.56E-02			<0.0410	<0.1900	<0.0400	<0.0410	<0.0430	<0.2000
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0040	**0.1**	<0.0040	<0.0040	<0.0040	<0.0200
Dibenzofuran	MG/KG		3.00E+00			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
Diethyl Phthalate	MG/KG		1.22E+02			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU41A-2	SWMU75-1	SWMU75-1	SWMU75-1	SWMU75-1	SWMU79-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28623471	28636839	28636840	28636841	28636842	28608629
					Sample Name	BEL-S-SWMU41A-2(12-13)	BEL-S-SWMU-75-1(3-4)	BEL-S-SWMU-75-1(7-8)	BEL-S-SWMU-75-1(10.5-11.5)	BEL-S-SWMU-75-1(24-25)	BEL-S-SWMU-79-1(3-4)
					Date Sampled	12/03/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012
					Start Depth - End Depth	12 - 13	3 - 4	7 - 8	10.5 - 11.5	24 - 25	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil	Fill
Dimethoate	MG/KG		1.80E-02			<0.2100 UL	<0.9400 UL	<0.2000 UL	<0.2000 UL	<0.2100 UL	<1.0000 UL
Dimethyl Phthalate	MG/KG					<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
Ethyl Methanesulfonate	MG/KG					<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
Famphur	MG/KG										
Fluoranthene	MG/KG		1.78E+03	1.90E+00		<0.0040	**1.2**	<0.0040	<0.0040	<0.0040	**0.27**
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.0040	**0.0570 J**	<0.0040	<0.0040	<0.0040	**0.0640 J**
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040	<0.0190	<0.0040	<0.0040	<0.0040	<0.0200
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2100	<0.9400	<0.2000	<0.2000	<0.2100	<1.0000
Hexachloroethane	MG/KG		4.00E-03			<0.0410	<0.1900	<0.0400	<0.0410	<0.0430	<0.2000
Hexachlorophene	MG/KG		1.60E+02								
Hexachloropropylene	MG/KG					<0.1200	<0.5600	<0.1200	<0.1200	<0.1300	<0.6100
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		<0.0040	**0.29**	<0.0040	<0.0040	<0.0040	**0.0830 J**
Isodrin	MG/KG					<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
Isophorone	MG/KG		5.20E-01			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
Isosafrole	MG/KG					<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
Kepone	MG/KG		2.40E-03								
Methapyrilene	MG/KG					<2.1000	<9.4000	<2.0000	<2.0000	<2.1000	<10.0000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0410	<0.1900	<0.0400	<0.0410	<0.0430	<0.2000
Naphthalene	MG/KG		1.08E-02	1.20E+00		<0.0040	**0.47**	**0.0120 J**	**0.0070 J**	<0.0040	**0.48**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
Nitrobenzene	MG/KG		1.84E-03			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
O,O,O-Triethylphosphorothioate	MG/KG					<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
O-Toluidine	MG/KG					<0.2500	<1.1000	<0.2400	<0.2500	<0.2600	<1.2000
para-Phenylenediamine	MG/KG		2.00E+01			<14.0000	<66.0000	<14.0000	<14.0000	<15.0000	<71.0000
Parathion	MG/KG		8.60E+00								
Pentachlorobenzene	MG/KG		4.80E-01			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	<0.1000
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0410	<0.1900	<0.0400	<0.0410	<0.0430	<0.2000
Phenacetin	MG/KG		1.94E-01			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
Phenanthrene	MG/KG			8.70E-01		**0.0050 J**	**0.82**	**0.0110 J**	**0.0070 J**	<0.0040	**0.33**
Phenol	MG/KG		6.60E+01			<0.0210	<0.0940	<0.0200	<0.0200	<0.0210	**0.47**

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU41A-2	SWMU75-1	SWMU75-1	SWMU75-1	SWMU75-1	SWMU79-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28623471	28636839	28636840	28636841	28636842	28608629
					Sample Name	BEL-S-SWMU41A-2(12-13)	BEL-S-SWMU-75-1(3-4)	BEL-S-SWMU-75-1(7-8)	BEL-S-SWMU-75-1(10.5-11.5)	BEL-S-SWMU-75-1(24-25)	BEL-S-SWMU-79-1(3-4)
					Date Sampled	12/03/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012
					Start Depth - End Depth	12 - 13	3 - 4	7 - 8	10.5 - 11.5	24 - 25	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil	Fill
Pronamide	MG/KG		2.40E+01			<0.0410	<0.1900	<0.0400	<0.0410	<0.0430	<0.2000
Pyrene	MG/KG		2.60E+02	1.50E+00		<0.0040	**1.1**	<0.0040	<0.0040	<0.0040	**0.22**
Pyridine	MG/KG		1.36E-01			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
Safrole	MG/KG		1.18E-03			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
Thionazin	MG/KG					<0.0820	<0.3700	<0.0800	<0.0820	<0.0850	<0.4100
Pesticides and PCBs											
4,4'-DDD	MG/KG		1.44E-01								
4,4'-DDE	MG/KG		2.20E-01								
4,4'-DDT	MG/KG		1.54E+00								
Aldrin	MG/KG		3.00E-03								
Alpha-BHC	MG/KG		8.20E-04								
beta-BHC	MG/KG		2.80E-03								
Chlordane	MG/KG										
delta-BHC	MG/KG										
Dieldrin	MG/KG		1.38E-03								
Disulfoton	MG/KG		1.88E-02								
Endosulfan I	MG/KG										
Endosulfan II	MG/KG										
Endosulfan Sulfate	MG/KG										
Endrin	MG/KG	1.62E+00	1.84E+00								
Endrin Aldehyde	MG/KG										
Heptachlor	MG/KG	6.60E-01	2.20E-03								
Heptachlor Epoxide	MG/KG	8.20E-02	5.60E-04								
Lindane	MG/KG	2.40E-02	4.80E-03								
Methoxychlor	MG/KG	4.40E+01	4.00E+01								
Methyl Parathion	MG/KG		1.48E-01								
Phorate	MG/KG		6.80E-02								
Toxaphene	MG/KG	9.20E+00	4.80E-02								
PCB 1016	MG/KG		4.20E-01								
PCB 1221	MG/KG		1.58E-03								
PCB 1232	MG/KG		1.58E-03								
PCB 1242	MG/KG		2.40E-02								
PCB 1248	MG/KG		2.40E-02								
PCB 1254	MG/KG		4.00E-02								
PCB 1260	MG/KG		1.10E-01								
2,4,5-T	MG/KG		1.34E+00								
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01								
Dinoseb	MG/KG	1.24E+00	2.60E+00								
Silvex	MG/KG	5.60E-01	1.22E+00								
Inorganics											
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**0.0872 J**	**1**	**0.0806 J**	**0.150 J**	**0.0999 J**	**2.36**

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)							
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	SWMU41A-2	SWMU75-1	SWMU75-1	SWMU75-1	SWMU75-1	SWMU79-1
					Field Sample ID	28623471	28636839	28636840	28636841	28636842	28608629
					Sample Name	BEL-S-SWMU41A-2(12-13)	BEL-S-SWMU-75-1(3-4)	BEL-S-SWMU-75-1(7-8)	BEL-S-SWMU-75-1(10.5-11.5)	BEL-S-SWMU-75-1(24-25)	BEL-S-SWMU-79-1(3-4)
					Date Sampled	12/03/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012	11/30/2012
					Start Depth - End Depth	12 - 13	3 - 4	7 - 8	10.5 - 11.5	24 - 25	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Native Soil	Native Soil	Fill
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**7.79**	**17.8**	**6.93**	**9.24**	**5.04**	**11.4**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**204**	**277**	**237**	**187**	**150**	**443**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**1.73**	**0.78**	**1.34**	**1.46**	**1.25**	**1.12**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		<0.0398	<0.0371	**0.336 J**	**0.181 J**	**0.0575 J**	**0.157 J**
Chromium	MG/KG	3.60E+06		4.40E+01		**26.9 K**	**10.6 K**	**23.4 K**	**25.4 K**	**20.5 K**	**69.8 K**
Cobalt	MG/KG		5.40E+00	2.23E+01		**19.7**	**2.64**	**14.2**	**17.6**	**13.4**	**45.7**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**24.1 K**	**45.4**	**41**	**22.3**	**24.1**	**763**
Lead	MG/KG	2.80E+02		1.06E+02		**19**	**14.3**	**17.1**	**20**	**16.7**	**147**
Mercury	MG/KG	2.00E+00		4.14E+00		**0.0412 J**	**0.132**	**0.0233 J**	**0.0372 J**	**0.0320 J**	**18.4**
Nickel	MG/KG		5.20E+02	2.59E+01		**31**	**8.63**	**30.4**	**26.5**	**22.2**	**46.3**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.160 J**	**1.12**	**0.117 J**	**0.200 J**	**0.187 J**	**0.864**
Silver	MG/KG		1.60E+01			<0.169	<0.157	<0.165	<0.167	<0.179	**0.379 J**
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.271**	**0.211**	**0.225**	**0.209**	**0.269**	**0.203**
Tin	MG/KG		6.00E+04			**3.16 B**	**2.72 B**	**2.80 B**	**2.91 B**	**2.85 B**	**5.38 B**
Vanadium	MG/KG		1.72E+03	6.74E+01		**39.9**	**6.99 K**	**32.7 K**	**35.7 K**	**29.6 K**	**16.4 K**
Zinc	MG/KG		7.40E+03	1.33E+02		**96.5**	**16**	**86.5**	**82.4**	**79.8**	**123**
Miscellaneous											
Total Organic Carbon	MG/KG										
Ammonia	MG/KG						<95.5000	**169**	**158**	**234**	**90.6000 J**
Cyanide	MG/KG	4.00E+01	3.00E-01								
Percent Moisture	%					**19.4**	**11**	**16.8**	**18.5**	**21.8**	**17.7**
Percent Moisture	% BY WT.										
Sulfide	MG/KG										

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL)
and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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Belle, West Virginia

Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)							
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	SWMU79-1	SWMU79-1	SWMU79-2	SWMU79-2	SWMU79-2	SWMU80-3
					Field Sample ID	28608630	28608631	28608626	28608627	P4S-0513-SWMU-79-2-8-9	28605058
					Sample Name	BEL-S-SWMU-79-1(7-8)	BEL-S-SWMU-79-1(14-15)	BEL-S-SWMU-79-2(8-9)	BEL-S-SWMU-79-2(15-16)		BEL-S-SWMU80-3(3-4)
					Date Sampled	11/30/2012	11/30/2012	11/30/2012	11/30/2012	05/28/2013	11/30/2012
					Start Depth - End Depth	7 - 8	14 - 15	8 - 9	15 - 16	8 - 9	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020 UL	<0.0020 UL	<0.1000	<0.0020 UL	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01			<0.0030	<0.0030	<0.1500	<0.0030	<0.0030	<0.0030
Acetone	MG/KG		5.80E+01			**0.0260**	**0.0100 J**	<0.3500	**0.0080 J**	**0.1300**	**0.0310**
Acetonitrile	MG/KG		5.20E-01			<0.0270	<0.0270	<1.2000	<0.0260	<0.0250	<0.0280
Acrolein	MG/KG		1.68E-04			<0.0220	<0.0220	<1.0000	<0.0210	<0.0200	<0.0220
Acrylonitrile	MG/KG		2.20E-04			<0.0040	<0.0040	<0.2000	<0.0040	<0.0040	<0.0040
Allyl Chloride	MG/KG		4.60E-03			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			**0.0010 J**	<0.00050	<0.0250	<0.00050	**0.0030 J**	**0.0100**
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	**0.0020 J**
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020	<0.0020	<0.1000	<0.0020	<0.0020	<0.0020 UL
Ethyl Chloride	MG/KG		1.18E+02			<0.0020	<0.0020	<0.1000	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03							**17**	
Iodomethane	MG/KG					<0.0030	<0.0030	<0.1500	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1100	<0.1100	<5.0000	<0.1000	<0.1000	<0.1100
Methacrylonitrile	MG/KG		8.60E-03			<0.0050	<0.0050	<0.2500	<0.0050	<0.0050	<0.0060
Methyl Bromide	MG/KG		3.80E-02			<0.0020	<0.0020	<0.1000	<0.0020	<0.0020	<0.0020
Methyl Chloride	MG/KG		9.80E-01			<0.0020	<0.0020	<0.1000	<0.0020	<0.0020	<0.0020

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU79-1	SWMU79-1	SWMU79-2	SWMU79-2	SWMU79-2	SWMU80-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28608630	28608631	28608626	28608627	P4S-0513-SWMU-79-2-8-9	28605058
					Sample Name	BEL-S-SWMU-79-1(7-8)	BEL-S-SWMU-79-1(14-15)	BEL-S-SWMU-79-2(8-9)	BEL-S-SWMU-79-2(15-16)		BEL-S-SWMU80-3(3-4)
					Date Sampled	11/30/2012	11/30/2012	11/30/2012	11/30/2012	05/28/2013	11/30/2012
					Start Depth - End Depth	7 - 8	14 - 15	8 - 9	15 - 16	8 - 9	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill
Methyl Ethyl Ketone	MG/KG		2.40E+01			**0.013**	**0.0060 J**	<0.2000	**0.0040 J**	**0.087**	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0030	<0.1500	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020	<0.0020	<0.1000	<0.0020	**0.0030 J**	<0.0020
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0320	<0.0330	<1.5000	<0.0310	<0.0300	<0.0330
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			**0.0010 J**	<0.0010	<0.0500	<0.0010	**0.0010 J**	**0.0030 J**
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0110	<0.0110	<0.5000	<0.0100	<0.0100	<0.0110
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020	<0.1000	<0.0020	<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020	<0.1000	<0.0020	<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.0010	<0.0010	<0.0500	<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2100	<0.2100	<0.2100	<0.2100	<0.2100	<9.1000
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
1,4-Dioxane	MG/KG		1.88E-03			<0.1300	<0.1300	<0.1300	<0.1300	<0.1300	<5.4000
1,4-Naphthoquinone	MG/KG					<1.1000	<1.0000	<1.1000	<1.1000	<1.0000	<45.0000
1-Naphthylamine	MG/KG					<0.2100	<0.2100	<0.2100	<0.2100	<0.2100	<9.1000
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3800	<0.3800	<0.3800	<0.3800	<0.3800	<16.0000
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
2,6-Dichlorophenol	MG/KG					<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0090	<0.0090	<0.0090	<0.0090	<0.0090	<0.3800
2-Chlorophenol	MG/KG		1.48E+00			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.46**	<0.0040	**0.088**	<0.0040	<0.0040	**0.2700 J**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
2-Naphthylamine	MG/KG		4.00E-03			<0.2100	<0.2100	<0.2100 UL	<0.2100 UL	<0.2100	<9.1000 UL
2-Nitroaniline	MG/KG		1.60E+00			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU79-1	SWMU79-1	SWMU79-2	SWMU79-2	SWMU79-2	SWMU80-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28608630	28608631	28608626	28608627	P4S-0513-SWMU-79-2-8-9	28605058
					Sample Name	BEL-S-SWMU-79-1(7-8)	BEL-S-SWMU-79-1(14-15)	BEL-S-SWMU-79-2(8-9)	BEL-S-SWMU-79-2(15-16)		BEL-S-SWMU80-3(3-4)
					Date Sampled	11/30/2012	11/30/2012	11/30/2012	11/30/2012	05/28/2013	11/30/2012
					Start Depth - End Depth	7 - 8	14 - 15	8 - 9	15 - 16	8 - 9	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill
2-Nitrophenol	MG/KG					<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
2-Picoline	MG/KG					<0.1300	<0.1300	<0.1300	<0.1300	<0.1300	<5.4000
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1300	<0.1300	<0.1300	<0.1300	<0.1300	<5.4000
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.6400	<0.6300	<0.6400	<0.6400	<0.6300	<27.0000 UL
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
3-Nitroaniline	MG/KG					<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2100	<0.2100	<0.2100	<0.2100	<0.2100	<9.1000
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2100	<0.2100	<0.2100	<0.2100	<0.2100	<9.1000
4-Bromophenyl Phenyl Ether	MG/KG					<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
4-Chloroaniline	MG/KG		3.20E-03			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0210	<0.0210	**0.063**	<0.0210	<0.0210	<0.9100
4-Nitroaniline	MG/KG		3.20E-02			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
4-Nitrophenol	MG/KG					<0.2100	<0.2100	<0.2100	<0.2100	<0.2100	<9.1000
4-Nitroquinoline-N-Oxide	MG/KG					<0.4300	<0.4200	<0.4200	<0.4300	<0.4200	<18.0000
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2100	<0.2100	<0.2100	<0.2100	<0.2100	<9.1000
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.1800
Acenaphthylene	MG/KG			3.10E-01		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.1800
Acetophenone	MG/KG		1.16E+01			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
Aniline	MG/KG		9.20E-02			<0.2100	<0.2100	<0.2100	<0.2100	<0.2100	<9.1000
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.1800
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.0160 J**	<0.0040	**0.0050 J**	<0.0040	<0.0040	<0.1800
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.023**	<0.0040	**0.0120 J**	<0.0040	<0.0040	**0.2600 J**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.022**	<0.0040	**0.0060 J**	<0.0040	<0.0040	<0.1800
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.1800
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**0.0120 J**	<0.0040	**0.0060 J**	<0.0040	<0.0040	<0.1800
Benzyl Alcohol	MG/KG		9.60E+00			<0.2100	<0.2100	<0.2100	<0.2100	<0.2100	<9.1000
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03								
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
Chlorobenzilate	MG/KG		2.00E-02			<0.0430	<0.0420	<0.0420	<0.0430	<0.0420	<1.8000
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.027**	<0.0040	**0.0100 J**	<0.0040	<0.0040	<0.1800
Diallate	MG/KG		1.56E-02			<0.0430	<0.0420	<0.0420	<0.0430	<0.0420	<1.8000
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.1800
Dibenzofuran	MG/KG		3.00E+00			**0.09**	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
Diethyl Phthalate	MG/KG		1.22E+02			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU79-1	SWMU79-1	SWMU79-2	SWMU79-2	SWMU79-2	SWMU80-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28608630	28608631	28608626	28608627	P4S-0513-SWMU-79-2-8-9	28605058
					Sample Name	BEL-S-SWMU-79-1(7-8)	BEL-S-SWMU-79-1(14-15)	BEL-S-SWMU-79-2(8-9)	BEL-S-SWMU-79-2(15-16)		BEL-S-SWMU80-3(3-4)
					Date Sampled	11/30/2012	11/30/2012	11/30/2012	11/30/2012	05/28/2013	11/30/2012
					Start Depth - End Depth	7 - 8	14 - 15	8 - 9	15 - 16	8 - 9	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill
Dimethoate	MG/KG		1.80E-02			<0.2100 UL	<0.2100 UL	<0.2100 UL	<0.2100 UL	<0.2100	<9.1000 UL
Dimethyl Phthalate	MG/KG					<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
Ethyl Methanesulfonate	MG/KG					<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
Famphur	MG/KG										
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.0180 J**	<0.0040	**0.0100 J**	<0.0040	<0.0040	**0.2200 J**
Fluorene	MG/KG		1.08E+02	8.50E-02		**0.0050 J**	<0.0040	**0.0040 J**	<0.0040	<0.0040	<0.1800
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.1800
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2100	<0.2100	<0.2100	<0.2100	<0.2100	<9.1000
Hexachloroethane	MG/KG		4.00E-03			<0.0430	<0.0420	<0.0420	<0.0430	<0.0420	<1.8000
Hexachlorophene	MG/KG		1.60E+02								
Hexachloropropylene	MG/KG					<0.1300	<0.1300	<0.1300	<0.1300	<0.1300	<5.4000
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.1800
Isodrin	MG/KG					<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
Isophorone	MG/KG		5.20E-01			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
Isosafrole	MG/KG					<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
Kepone	MG/KG		2.40E-03								
Methapyrilene	MG/KG					<2.1000	<2.1000	<2.1000	<2.1000	<2.1000	<91.0000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0430	<0.0420	<0.0420	<0.0430	<0.0420	<1.8000
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.41**	<0.0040	**0.08**	<0.0040	<0.0040	**0.3000 J**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
Nitrobenzene	MG/KG		1.84E-03			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
O,O,O-Triethylphosphorothioate	MG/KG					<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
O-Toluidine	MG/KG					<0.2600	<0.2500	<0.2500	<0.2600	<0.2500	<11.0000
para-Phenylenediamine	MG/KG		2.00E+01			<15.0000	<15.0000	<15.0000	<15.0000	<15.0000	<630.0000
Parathion	MG/KG		8.60E+00								
Pentachlorobenzene	MG/KG		4.80E-01			<0.0210	<0.0210	<0.0210	<0.0210	<0.0210	<0.9100
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0430	<0.0420	<0.0420	<0.0430	<0.0420	<1.8000
Phenacetin	MG/KG		1.94E-01			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
Phenanthrene	MG/KG			8.70E-01		**0.15**	<0.0040	**0.041**	**0.0120 J**	<0.0040	**0.3500 J**
Phenol	MG/KG		6.60E+01			<0.0210	<0.0210	**0.0300 J**	<0.0210	<0.0210	<0.9100

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU79-1	SWMU79-1	SWMU79-2	SWMU79-2	SWMU79-2	SWMU80-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28608630	28608631	28608626	28608627	P4S-0513-SWMU-79-2-8-9	28605058
					Sample Name	BEL-S-SWMU-79-1(7-8)	BEL-S-SWMU-79-1(14-15)	BEL-S-SWMU-79-2(8-9)	BEL-S-SWMU-79-2(15-16)		BEL-S-SWMU80-3(3-4)
					Date Sampled	11/30/2012	11/30/2012	11/30/2012	11/30/2012	05/28/2013	11/30/2012
					Start Depth - End Depth	7 - 8	14 - 15	8 - 9	15 - 16	8 - 9	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill
Pronamide	MG/KG		2.40E+01			<0.0430	<0.0420	<0.0420	<0.0430	<0.0420	<1.8000
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.025**	<0.0040	**0.0120 J**	**0.0040 J**	<0.0040	**0.2700 J**
Pyridine	MG/KG		1.36E-01			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
Safrole	MG/KG		1.18E-03			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
Thionazin	MG/KG					<0.0850	<0.0840	<0.0850	<0.0850	<0.0840	<3.6000
Pesticides and PCBs											
4,4'-DDD	MG/KG		1.44E-01								
4,4'-DDE	MG/KG		2.20E-01								
4,4'-DDT	MG/KG		1.54E+00								
Aldrin	MG/KG		3.00E-03								
Alpha-BHC	MG/KG		8.20E-04								
beta-BHC	MG/KG		2.80E-03								
Chlordane	MG/KG										
delta-BHC	MG/KG										
Dieldrin	MG/KG		1.38E-03								
Disulfoton	MG/KG		1.88E-02								
Endosulfan I	MG/KG										
Endosulfan II	MG/KG										
Endosulfan Sulfate	MG/KG										
Endrin	MG/KG	1.62E+00	1.84E+00								
Endrin Aldehyde	MG/KG										
Heptachlor	MG/KG	6.60E-01	2.20E-03								
Heptachlor Epoxide	MG/KG	8.20E-02	5.60E-04								
Lindane	MG/KG	2.40E-02	4.80E-03								
Methoxychlor	MG/KG	4.40E+01	4.00E+01								
Methyl Parathion	MG/KG		1.48E-01								
Phorate	MG/KG		6.80E-02								
Toxaphene	MG/KG	9.20E+00	4.80E-02								
PCB 1016	MG/KG		4.20E-01								
PCB 1221	MG/KG		1.58E-03								
PCB 1232	MG/KG		1.58E-03								
PCB 1242	MG/KG		2.40E-02								
PCB 1248	MG/KG		2.40E-02								
PCB 1254	MG/KG		4.00E-02								
PCB 1260	MG/KG		1.10E-01								
2,4,5-T	MG/KG		1.34E+00								
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01								
Dinoseb	MG/KG	1.24E+00	2.60E+00								
Silvex	MG/KG	5.60E-01	1.22E+00								
Inorganics											
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**0.197 J**	**0.0922 J**	**0.218 J**	**0.172 J**		**2.91**

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU79-1	SWMU79-1	SWMU79-2	SWMU79-2	SWMU79-2	SWMU80-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28608630	28608631	28608626	28608627	P4S-0513-SWMU-79-2-8-9	28605058
					Sample Name	BEL-S-SWMU-79-1(7-8)	BEL-S-SWMU-79-1(14-15)	BEL-S-SWMU-79-2(8-9)	BEL-S-SWMU-79-2(15-16)		BEL-S-SWMU80-3(3-4)
					Date Sampled	11/30/2012	11/30/2012	11/30/2012	11/30/2012	05/28/2013	11/30/2012
					Start Depth - End Depth	7 - 8	14 - 15	8 - 9	15 - 16	8 - 9	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Native Soil	Fill
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**8.36**	**6.29**	**8.05**	**12.6**		**9.03**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**235**	**180**	**178**	**193**		**164**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**1.6**	**1.32**	**1.71**	**1.69**		**0.695**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		<0.0409	**0.0455 J**	<0.0404	**0.603 J**		**0.0927 J**
Chromium	MG/KG	3.60E+06		4.40E+01		**25.7 K**	**27.6 K**	**27.6 K**	**28.9 K**		**132 K**
Cobalt	MG/KG		5.40E+00	2.23E+01		**14.6**	**26.9**	**11.3**	**14.4**		**11.5**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**24.8**	**21.6**	**28.1**	**23.6**		**49.3**
Lead	MG/KG	2.80E+02		1.06E+02		**32.1**	**19.1**	**23.8**	**21.2**		**46**
Mercury	MG/KG	2.00E+00		4.14E+00		**0.0579 J**	**0.0324 J**	**0.0785 J**	**0.0457 J**		**0.59**
Nickel	MG/KG		5.20E+02	2.59E+01		**26**	**28.9**	**27.5**	**31.1**		**27.6**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.523**	**0.227 J**	**0.609**	**0.364 J**		**0.625**
Silver	MG/KG		1.60E+01			<0.174	<0.172	<0.171	<0.176		**0.461 J**
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.236**	**0.314**	**0.274**	**0.288**		**0.117**
Tin	MG/KG		6.00E+04			**3.67 B**	**2.86 B**	**3.22 B**	**3.08 B**		**2.98 B**
Vanadium	MG/KG		1.72E+03	6.74E+01		**35.7 K**	**36.2 K**	**36.9 K**	**41.2 K**		**13.2**
Zinc	MG/KG		7.40E+03	1.33E+02		**105**	**93**	**98.1**	**101**		**64.2**
Miscellaneous											
Total Organic Carbon	MG/KG									**3450**	
Ammonia	MG/KG					**345**	**53.9000 J**	**290**	**82.5**	**434**	
Cyanide	MG/KG	4.00E+01	3.00E-01								
Percent Moisture	%					**21.7**	**20.3**	**21.5**	**21.9**	**20.4**	**8**
Percent Moisture	% BY WT.										
Sulfide	MG/KG										

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU80-3	SWMU80-3	SWMU80-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28605059	28605060	28605061
					Sample Name	BEL-S-SWMU80-3(13-14)	BEL-S-SWMU80-3(25-26)	BEL-S-SWMU80-3(25-26)-DUP
					Date Sampled	11/30/2012	11/30/2012	11/30/2012
					Start Depth - End Depth	13 - 14	25 - 26	25 - 26
					Sample Purpose	FS	FS	DUP
					Fill or Native Soil	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.00090 UL	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.00090	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.00090	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.00090	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.00090	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.00090	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.00090	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020 UL	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.00090	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.00090 UL	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.00090	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.00090	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.00090 UL	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.00090 UL	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01			<0.0030	<0.0030	<0.0030
Acetone	MG/KG		5.80E+01			**0.0080 J**	<0.0070	<0.0070
Acetonitrile	MG/KG		5.20E-01			<0.0240	<0.0260	<0.0260
Acrolein	MG/KG		1.68E-04			<0.0190 UL	<0.0210	<0.0200
Acrylonitrile	MG/KG		2.20E-04			<0.0040	<0.0040	<0.0040
Allyl Chloride	MG/KG		4.60E-03			<0.00090	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			<0.00050	<0.00050	<0.00050
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.00090 UL	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.00090 UL	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			<0.00090	<0.0010	<0.0010
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.00090	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.00090 UL	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.00090 UL	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.00090	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.00090	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.00090	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.00090 UL	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020	<0.0020 UL	<0.0020 UL
Ethyl Chloride	MG/KG		1.18E+02			<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.00090 UL	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.00090 UL	<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03					
Iodomethane	MG/KG					<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01			<0.0950	<0.1000	<0.1000
Methacrylonitrile	MG/KG		8.60E-03			<0.0050	<0.0050	<0.0050
Methyl Bromide	MG/KG		3.80E-02			<0.0020	<0.0020	<0.0020
Methyl Chloride	MG/KG		9.80E-01			<0.0020	<0.0020	<0.0020

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU80-3	SWMU80-3	SWMU80-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28605059	28605060	28605061
					Sample Name	BEL-S-SWMU80-3(13-14)	BEL-S-SWMU80-3(25-26)	BEL-S-SWMU80-3(25-26)-DUP
					Date Sampled	11/30/2012	11/30/2012	11/30/2012
					Start Depth - End Depth	13 - 14	25 - 26	25 - 26
					Sample Purpose	FS	FS	DUP
					Fill or Native Soil	Native Soil	Native Soil	Native Soil
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0040	<0.0040	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0030	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00			<0.00090	<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.00090	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020	<0.0020	<0.0020
Pentachloroethane	MG/KG		6.20E-03			<0.00090 UL	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0280	<0.0310	<0.0310
Styrene	MG/KG	2.20E+00	2.60E+01			<0.00090 UL	<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.00090 UL	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			<0.00090 UL	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.00090	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.00090 UL	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0090	<0.0100	<0.0100
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.00090 UL	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.00090	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.00090 UL	<0.0010	<0.0010
Semi-Volatile Organic Compounds								
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0210	<0.0210	<0.0220
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0210	<0.0210	<0.0220
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2100	<0.2100	<0.2200
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0830	<0.0860	<0.0860
1,4-Dioxane	MG/KG		1.88E-03			<0.1200	<0.1300	<0.1300
1,4-Naphthoquinone	MG/KG					<1.0000	<1.1000	<1.1000
1-Naphthylamine	MG/KG					<0.2100	<0.2100	<0.2200
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0830	<0.0860	<0.0860
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0210	<0.0210	<0.0220
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0210	<0.0210	<0.0220
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0210	<0.0210	<0.0220
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0210	<0.0210	<0.0220
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3700	<0.3900	<0.3900
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0830	<0.0860	<0.0860
2,6-Dichlorophenol	MG/KG					<0.0210	<0.0210	<0.0220
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0210	<0.0210	<0.0220
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0830	<0.0860	<0.0860
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0090	<0.0090	<0.0090
2-Chlorophenol	MG/KG		1.48E+00			<0.0210	<0.0210	<0.0220
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		<0.0040	<0.0040	**0.0050 J**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0210	<0.0210	<0.0220
2-Naphthylamine	MG/KG		4.00E-03			<0.2100 UL	<0.2100 UL	<0.2200 UL
2-Nitroaniline	MG/KG		1.60E+00			<0.0210	<0.0210	<0.0220

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU80-3	SWMU80-3	SWMU80-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28605059	28605060	28605061
					Sample Name	BEL-S-SWMU80-3(13-14)	BEL-S-SWMU80-3(25-26)	BEL-S-SWMU80-3(25-26)-DUP
					Date Sampled	11/30/2012	11/30/2012	11/30/2012
					Start Depth - End Depth	13 - 14	25 - 26	25 - 26
					Sample Purpose	FS	FS	DUP
					Fill or Native Soil	Native Soil	Native Soil	Native Soil
2-Nitrophenol	MG/KG					<0.0210	<0.0210	<0.0220
2-Picoline	MG/KG					<0.1200	<0.1300	<0.1300
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1200	<0.1300	<0.1300
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.6200	<0.6400	<0.6500
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0210	<0.0210	<0.0220
3-Nitroaniline	MG/KG					<0.0830	<0.0860	<0.0860
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2100	<0.2100	<0.2200
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2100	<0.2100	<0.2200
4-Bromophenyl Phenyl Ether	MG/KG					<0.0210	<0.0210	<0.0220
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0210	<0.0210	<0.0220
4-Chloroaniline	MG/KG		3.20E-03			<0.0210	<0.0210	<0.0220
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0210	<0.0210	<0.0220
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0830	<0.0860	<0.0860
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0210	<0.0210	<0.0220
4-Nitroaniline	MG/KG		3.20E-02			<0.0830	<0.0860	<0.0860
4-Nitrophenol	MG/KG					<0.2100	<0.2100	<0.2200
4-Nitroquinoline-N-Oxide	MG/KG					<0.4200	<0.4300	<0.4300
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2100	<0.2100	<0.2200
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0210	<0.0210	<0.0220
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0040	<0.0040	<0.0040
Acenaphthylene	MG/KG			3.10E-01		<0.0040	<0.0040	<0.0040
Acetophenone	MG/KG		1.16E+01			<0.0210	<0.0210	<0.0220
Aniline	MG/KG		9.20E-02			<0.2100	<0.2100	<0.2200
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0040	<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		<0.0040	<0.0040	<0.0040
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		<0.0040	**0.0050 J**	<0.0040
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		<0.0040	<0.0040	<0.0040
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		<0.0040	**0.0050 J**	<0.0040
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		<0.0040	<0.0040	<0.0040
Benzyl Alcohol	MG/KG		9.60E+00			<0.2100	<0.2100	<0.2200
Bis(2-Chloro-1-Methylethyl) Ether	MG/KG		2.60E-03					
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0210	<0.0210	<0.0220
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0210	<0.0210	<0.0220
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0210	<0.0210	<0.0220
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0830	<0.0860	<0.0860
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0830	<0.0860	<0.0860
Chlorobenzilate	MG/KG		2.00E-02			<0.0420	<0.0430	<0.0430
Chrysene	MG/KG		2.40E+01	1.50E+00		<0.0040	<0.0040	<0.0040
Diallate	MG/KG		1.56E-02			<0.0420	<0.0430	<0.0430
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0040	<0.0040	<0.0040
Dibenzofuran	MG/KG		3.00E+00			<0.0210	<0.0210	<0.0220
Diethyl Phthalate	MG/KG		1.22E+02			<0.0830	<0.0860	<0.0860

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU80-3	SWMU80-3	SWMU80-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28605059	28605060	28605061
					Sample Name	BEL-S-SWMU80-3(13-14)	BEL-S-SWMU80-3(25-26)	BEL-S-SWMU80-3(25-26)-DUP
					Date Sampled	11/30/2012	11/30/2012	11/30/2012
					Start Depth - End Depth	13 - 14	25 - 26	25 - 26
					Sample Purpose	FS	FS	DUP
					Fill or Native Soil	Native Soil	Native Soil	Native Soil
Dimethoate	MG/KG		1.80E-02			<0.2100 UL	<0.2100 UL	<0.2200 UL
Dimethyl Phthalate	MG/KG					<0.0830	<0.0860	<0.0860
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0830	<0.0860	<0.0860
Ethyl Methanesulfonate	MG/KG					<0.0830	<0.0860	<0.0860
Famphur	MG/KG							
Fluoranthene	MG/KG		1.78E+03	1.90E+00		<0.0040	<0.0040	<0.0040
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.0040	<0.0040	<0.0040
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040	<0.0040	<0.0040
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0210	<0.0210	<0.0220
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2100	<0.2100	<0.2200
Hexachloroethane	MG/KG		4.00E-03			<0.0420	<0.0430	<0.0430
Hexachlorophene	MG/KG		1.60E+02					
Hexachloropropylene	MG/KG					<0.1200	<0.1300	<0.1300
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		<0.0040	<0.0040	<0.0040
Isodrin	MG/KG					<0.0210	<0.0210	<0.0220
Isophorone	MG/KG		5.20E-01			<0.0210	<0.0210	<0.0220
Isosafrole	MG/KG					<0.0830	<0.0860	<0.0860
Kepone	MG/KG		2.40E-03					
Methapyrilene	MG/KG					<2.1000	<2.1000	<2.2000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0420	<0.0430	<0.0430
Naphthalene	MG/KG		1.08E-02	1.20E+00		<0.0040	**0.0140 J**	**0.0070 J**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0830	<0.0860	<0.0860
Nitrobenzene	MG/KG		1.84E-03			<0.0210	<0.0210	<0.0220
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0830	<0.0860	<0.0860
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0210	<0.0210	<0.0220
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0830	<0.0860	<0.0860
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0830	<0.0860	<0.0860
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0210	<0.0210	<0.0220
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0210	<0.0210	<0.0220
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0830	<0.0860	<0.0860
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0210	<0.0210	<0.0220
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0210	<0.0210	<0.0220
O,O,O-Triethylphosphorothioate	MG/KG					<0.0830	<0.0860	<0.0860
O-Toluidine	MG/KG					<0.2500	<0.2600	<0.2600
para-Phenylenediamine	MG/KG		2.00E+01			<15.0000	<15.0000	<15.0000
Parathion	MG/KG		8.60E+00					
Pentachlorobenzene	MG/KG		4.80E-01			<0.0210	<0.0210	<0.0220
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0830	<0.0860	<0.0860
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0420	<0.0430	<0.0430
Phenacetin	MG/KG		1.94E-01			<0.0830	<0.0860	<0.0860
Phenanthrene	MG/KG			8.70E-01		<0.0040	**0.0050 J**	<0.0040
Phenol	MG/KG		6.60E+01			<0.0210	<0.0210	<0.0220

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU80-3	SWMU80-3	SWMU80-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28605059	28605060	28605061
					Sample Name	BEL-S-SWMU80-3(13-14)	BEL-S-SWMU80-3(25-26)	BEL-S-SWMU80-3(25-26)-DUP
					Date Sampled	11/30/2012	11/30/2012	11/30/2012
					Start Depth - End Depth	13 - 14	25 - 26	25 - 26
					Sample Purpose	FS	FS	DUP
					Fill or Native Soil	Native Soil	Native Soil	Native Soil
Pronamide	MG/KG		2.40E+01			<0.0420	<0.0430	<0.0430
Pyrene	MG/KG		2.60E+02	1.50E+00		<0.0040	<0.0040	<0.0040
Pyridine	MG/KG		1.36E-01			<0.0830	<0.0860	<0.0860
Safrole	MG/KG		1.18E-03			<0.0830	<0.0860	<0.0860
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0830	<0.0860	<0.0860
Thionazin	MG/KG					<0.0830	<0.0860	<0.0860
Pesticides and PCBs								
4,4'-DDD	MG/KG		1.44E-01					
4,4'-DDE	MG/KG		2.20E-01					
4,4'-DDT	MG/KG		1.54E+00					
Aldrin	MG/KG		3.00E-03					
Alpha-BHC	MG/KG		8.20E-04					
beta-BHC	MG/KG		2.80E-03					
Chlordane	MG/KG							
delta-BHC	MG/KG							
Dieldrin	MG/KG		1.38E-03					
Disulfoton	MG/KG		1.88E-02					
Endosulfan I	MG/KG							
Endosulfan II	MG/KG							
Endosulfan Sulfate	MG/KG							
Endrin	MG/KG	1.62E+00	1.84E+00					
Endrin Aldehyde	MG/KG							
Heptachlor	MG/KG	6.60E-01	2.20E-03					
Heptachlor Epoxide	MG/KG	8.20E-02	5.60E-04					
Lindane	MG/KG	2.40E-02	4.80E-03					
Methoxychlor	MG/KG	4.40E+01	4.00E+01					
Methyl Parathion	MG/KG		1.48E-01					
Phorate	MG/KG		6.80E-02					
Toxaphene	MG/KG	9.20E+00	4.80E-02					
PCB 1016	MG/KG		4.20E-01					
PCB 1221	MG/KG		1.58E-03					
PCB 1232	MG/KG		1.58E-03					
PCB 1242	MG/KG		2.40E-02					
PCB 1248	MG/KG		2.40E-02					
PCB 1254	MG/KG		4.00E-02					
PCB 1260	MG/KG		1.10E-01					
2,4,5-T	MG/KG		1.34E+00					
2,4-Dichlorophenoxyacetic Acid	MG/KG	3.60E-01	9.00E-01					
Dinoseb	MG/KG	1.24E+00	2.60E+00					
Silvex	MG/KG	5.60E-01	1.22E+00					
Inorganics								
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**0.112 J**	**0.0962 J**	**0.191 J**

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU80-3	SWMU80-3	SWMU80-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28605059	28605060	28605061
					Sample Name	BEL-S-SWMU80-3(13-14)	BEL-S-SWMU80-3(25-26)	BEL-S-SWMU80-3(25-26)-DUP
					Date Sampled	11/30/2012	11/30/2012	11/30/2012
					Start Depth - End Depth	13 - 14	25 - 26	25 - 26
					Sample Purpose	FS	FS	DUP
					Fill or Native Soil	Native Soil	Native Soil	Native Soil
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**8.01**	**6.24**	**8.64**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**210**	**133**	**145**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**1.31**	**1.33**	**1.41**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		<0.0396	<0.0412	<0.0418
Chromium	MG/KG	3.60E+06		4.40E+01		**22.2 K**	**22.9 K**	**24.8 K**
Cobalt	MG/KG		5.40E+00	2.23E+01		**16.5**	**13.9**	**14.7**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**20.4**	**21.7**	**21.9**
Lead	MG/KG	2.80E+02		1.06E+02		**21.3**	**19.6**	**24.8**
Mercury	MG/KG	2.00E+00		4.14E+00		**0.0461 J**	**0.0412 J**	**0.0448 J**
Nickel	MG/KG		5.20E+02	2.59E+01		**26**	**23.7**	**24.8**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.0991 J**	**0.205 J**	**0.290 J**
Silver	MG/KG		1.60E+01			<0.168	<0.175	<0.177
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.234**	**0.219**	**0.329**
Tin	MG/KG		6.00E+04			**2.77 B**	**2.68 B**	**2.80 B**
Vanadium	MG/KG		1.72E+03	6.74E+01		**34.7**	**31.9**	**33.5**
Zinc	MG/KG		7.40E+03	1.33E+02		**84.4**	**80.7**	**84.4**
Miscellaneous								
Total Organic Carbon	MG/KG							
Ammonia	MG/KG							
Cyanide	MG/KG	4.00E+01	3.00E-01					
Percent Moisture	%					**19.9**	**22.2**	**22.6**
Percent Moisture	% BY WT.							
Sulfide	MG/KG							

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU189-1	SWMU189-1	SWMU58-2	SWMU58-2	SWMU58-2	SWMU58-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	SS1113-SWMU-189-1-0.5	SS1113-SWMU-189-1-0.5-D	28651245	28651246	28651247	P4S-0513-SWMU-58-2-19-20
					Sample Name			BEL-S-SWMU58-2(5-6)	BEL-S-SWMU58-2(0.5-1)	BEL-S-SWMU58-2(19-20)	
					Date Sampled	12/17/2013	12/17/2013	12/05/2012	12/05/2012	12/05/2012	05/28/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	5 - 6	0.5 - 1	19 - 20	19 - 20
					Sample Purpose	FS	DUP	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill	Native Soil	Native Soil
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0030	<0.0020	<0.0020 UL	<0.0020	<0.2000	
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
2-Hexanone	MG/KG		1.76E-01			<0.0040	**0.0050 J**	<0.0030	<0.0040	<0.3000	
Acetone	MG/KG		5.80E+01			**0.16**	**0.19**	<0.0070	**0.0160 J**	<0.6900	
Acetonitrile	MG/KG		5.20E-01			<0.0340	<0.0280	<0.0240	<0.0310	<2.5000	
Acrolein	MG/KG		1.68E-04			<0.0270	<0.0230	<0.0190	<0.0250	<2.0000	
Acrylonitrile	MG/KG		2.20E-04			<0.0050	<0.0050	<0.0040	<0.0050	<0.4000	
Allyl Chloride	MG/KG		4.60E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Benzene	MG/KG	5.20E-02	4.60E-03			**0.0020 J**	**0.0030 J**	**0.34**	**0.056**	**64**	
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Carbon Disulfide	MG/KG		4.80E+00			**0.0040 J**	**0.006**	**0.0020 J**	<0.0010	<0.0990	
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Chloroprene	MG/KG		1.96E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0030	<0.0020	<0.0020	<0.0020 UL	<0.2000	
Ethyl Chloride	MG/KG		1.18E+02			<0.0030	<0.0020	<0.0020	<0.0020	<0.2000	
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0010	<0.0010	**0.03**	<0.0010	<0.0990	
Formaldehyde	MG/KG		1.74E-03								**7.3**
Iodomethane	MG/KG					<0.0040	<0.0030	<0.0030	<0.0040	<0.3000	
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1300	<0.1100	<0.0970	<0.1200	<9.9000	

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	SS1113-SWMU-189-1-0.5	SS1113-SWMU-189-1-0.5-D	28651245	28651246	28651247	P4S-0513-SWMU-58-2-19-20
					Sample Name			BEL-S-SWMU58-2(5-6)	BEL-S-SWMU58-2(0.5-1)	BEL-S-SWMU58-2(19-20)	
					Date Sampled	12/17/2013	12/17/2013	12/05/2012	12/05/2012	12/05/2012	05/28/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	5 - 6	0.5 - 1	19 - 20	19 - 20
					Sample Purpose	FS	DUP	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill	Native Soil	Native Soil
Methacrylonitrile	MG/KG		8.60E-03			<0.0070	<0.0060	<0.0050	<0.0060	<0.4900	
Methyl Bromide	MG/KG		3.80E-02			<0.0030	<0.0020	<0.0020	<0.0020	<0.2000	
Methyl Chloride	MG/KG		9.80E-01			<0.0030	<0.0020	<0.0020	<0.0020	<0.2000	
Methyl Ethyl Ketone	MG/KG		2.40E+01			**0.037**	**0.042**	<0.0040	<0.0050	<0.4000	
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0040	<0.0030	<0.0030	<0.0040	<0.3000	
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0030	<0.0020	<0.0020	<0.0020	<0.2000	
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Propionitrile	MG/KG					<0.0400	<0.0340	<0.0290	<0.0370	<3.0000	
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Toluene	MG/KG	1.38E+01	1.52E+01			**0.0020 J**	**0.0030 J**	**0.008**	**0.008**	**10**	
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0130	<0.0110	<0.0100	<0.0120	<0.9900	
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0030	<0.0020	<0.0020	<0.0020	<0.2000	
Vinyl Acetate	MG/KG		1.74E+00			<0.0030	<0.0020	<0.0020	<0.0020	<0.2000	
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.0990	
Xylenes	MG/KG	1.96E+02	3.80E+00			**0.0010 J**	**0.0010 J**	**0.088**	**0.0020 J**	**1.6**	
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<1.1000	<2.0000	<0.2100	<0.9400	<0.2100	
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
1,4-Dioxane	MG/KG		1.88E-03			<0.6500	<1.2000	<0.1300	<0.5700	<0.1200	
1,4-Naphthoquinone	MG/KG					<5.4000 R	<10.0000	<1.0000	<4.7000	<1.0000	
1-Naphthylamine	MG/KG					<1.1000	<2.0000	<0.2100	<0.9400	<0.2100	
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.4400 UJ	<0.8200	<0.0840	<0.3800	<0.0820	
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
2,4-Dinitrophenol	MG/KG		8.80E-01			<2.0000	<3.7000	<0.3800	<1.7000	<0.3700	
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
2,6-Dichlorophenol	MG/KG					<0.1100 UJ	<0.2000	<0.0210	<0.0950	<0.0210	
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	SS1113-SWMU-189-1-0.5	SS1113-SWMU-189-1-0.5-D	28651245	28651246	28651247	P4S-0513-SWMU-58-2-19-20
					Sample Name			BEL-S-SWMU58-2(5-6)	BEL-S-SWMU58-2(0.5-1)	BEL-S-SWMU58-2(19-20)	
					Date Sampled	12/17/2013	12/17/2013	12/05/2012	12/05/2012	12/05/2012	05/28/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	5 - 6	0.5 - 1	19 - 20	19 - 20
					Sample Purpose	FS	DUP	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill	Native Soil	Native Soil
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0460	<0.0860	<0.0090	<0.0400	<0.0090	
2-Chlorophenol	MG/KG		1.48E+00			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.16**	**0.1600 J**	**0.027**	**0.87**	**0.07**	
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.1100	<0.2000	<0.0210	<0.0950	**0.045**	
2-Naphthylamine	MG/KG		4.00E-03			<1.1000	<2.0000	<0.2100 UL	<0.9400 UL	<0.2100 UL	
2-Nitroaniline	MG/KG		1.60E+00			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
2-Nitrophenol	MG/KG					<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
2-Picoline	MG/KG					<0.6500	<1.2000	**1.4**	<0.5700	**4.4**	
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.6500	<1.2000	<0.1300	<0.5700	<0.1200	
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<3.3000 R	<6.1000	<0.6300	<2.8000	<0.6200	
3-Methylcholanthrene	MG/KG		4.40E-02			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
3-Nitroaniline	MG/KG					<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<1.1000	<2.0000	<0.2100	<0.9400	<0.2100	
4-Aminobiphenyl	MG/KG		3.00E-04			<1.1000 R	<2.0000	<0.2100	<0.9400	<0.2100	
4-Bromophenyl Phenyl Ether	MG/KG					<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
4-Chloroaniline	MG/KG		3.20E-03			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
4-Chlorophenyl Phenyl Ether	MG/KG					<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.1100	<0.2000	<0.0210	<0.0950	**0.05**	
4-Nitroaniline	MG/KG		3.20E-02			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
4-Nitrophenol	MG/KG					<1.1000	<2.0000	<0.2100	<0.9400	<0.2100	
4-Nitroquinoline-N-Oxide	MG/KG					<2.2000	<4.1000	<0.4200	<1.9000	<0.4100	
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<1.1000	<2.0000	<0.2100	<0.9400	<0.2100	
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
Acenaphthene	MG/KG		1.10E+02	3.40E-02		**0.0340 J**	**0.0550 J**	**0.074**	**0.0520 J**	<0.0040	
Acenaphthylene	MG/KG			3.10E-01		**0.0590 J**	**0.21**	**0.043**	**0.94**	<0.0040	
Acetophenone	MG/KG		1.16E+01			<0.1100	<0.2000	**0.0410 J**	**0.42**	**5.6**	
Aniline	MG/KG		9.20E-02			<1.1000 R	<2.0000	<0.2100	<0.9400	<0.2100	
Anthracene	MG/KG		1.16E+03	4.40E-01		**0.11**	**0.31**	**0.079**	**0.35**	<0.0040	
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.3100 J**	**0.5400 J**	**0.037**	**1**	<0.0040	
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.5600 J**	**1.4000 J**	**0.19**	**2.3**	**0.0080 J**	
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.2700 J**	**0.8700 J**	**0.0200 J**	**2.1**	**0.0040 J**	
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**0.2300 J**	**0.5300 J**	**0.32**	**0.82**	<0.0040	
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**0.3000 J**	**0.7300 J**	**0.062**	**1.5**	<0.0040	
Benzyl Alcohol	MG/KG		9.60E+00			<1.1000	<2.0000	<0.2100	<0.9400	<0.2100	
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU189-1	SWMU189-1	SWMU58-2	SWMU58-2	SWMU58-2	SWMU58-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	SS1113-SWMU-189-1-0.5	SS1113-SWMU-189-1-0.5-D	28651245	28651246	28651247	P4S-0513-SWMU-58-2-19-20
					Sample Name			BEL-S-SWMU58-2(5-6)	BEL-S-SWMU58-2(0.5-1)	BEL-S-SWMU58-2(19-20)	
					Date Sampled	12/17/2013	12/17/2013	12/05/2012	12/05/2012	12/05/2012	05/28/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	5 - 6	0.5 - 1	19 - 20	19 - 20
					Sample Purpose	FS	DUP	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill	Native Soil	Native Soil
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
Chlorobenzilate	MG/KG		2.00E-02			<0.2200	<0.4100	<0.0420	<0.1900	<0.0410	
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.5000 J**	**0.9300 J**	**0.036**	**1.1**	**0.0110 J**	
Diallate	MG/KG		1.56E-02			<0.2200 UJ	<0.4100	<0.0420	<0.1900	<0.0410	
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		**0.0520 J**	**0.1500 J**	**0.3**	**0.44**	<0.0040	
Dibenzofuran	MG/KG		3.00E+00			<0.1100	<0.2000	**0.11**	**0.26**	<0.0210	
Diethyl Phthalate	MG/KG		1.22E+02			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
Dimethyl Phthalate	MG/KG					<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
Ethyl Methanesulfonate	MG/KG					<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.87**	**1**	**0.13**	**1.5**	<0.0040	
Fluorene	MG/KG		1.08E+02	8.50E-02		**0.0440 J**	**0.0740 J**	**2.6**	**0.25**	<0.0040	
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0220	<0.0410	<0.0040	<0.0190	<0.0040	
Hexachlorobutadiene	MG/KG		5.20E-03			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<1.1000 R	<2.0000	<0.2100	<0.9400	<0.2100	
Hexachloroethane	MG/KG		4.00E-03			<0.2200	<0.4100	<0.0420	<0.1900	<0.0410	
Hexachloropropylene	MG/KG					<0.6500 R	<1.2000	<0.1300	<0.5700	<0.1200	
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**0.2500 J**	**0.7200 J**	**0.0140 J**	**1.7**	<0.0040	
Isodrin	MG/KG					<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
Isophorone	MG/KG		5.20E-01			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
Isosafrole	MG/KG					<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
Methapyrilene	MG/KG					<11.0000 R	<20.0000	<2.1000	<9.4000	<2.1000	
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.2200	<0.4100	<0.0420	<0.1900	<0.0410	
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.15**	**0.1800 J**	**1.3**	**8.1**	**9.9**	
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
Nitrobenzene	MG/KG		1.84E-03			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.1100	<0.2000	<0.0210	<0.0950	<0.0210	
O,O,O-Triethylphosphorothioate	MG/KG					<0.4400 UJ	<0.8200	<0.0840	<0.3800	<0.0820	
O-Toluidine	MG/KG					<1.3000 R	<2.4000	<0.2500	<1.1000	<0.2500	
para-Phenylenediamine	MG/KG		2.00E+01			<76.0000	<140.0000	<15.0000	<66.0000	<14.0000	

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU189-1	SWMU189-1	SWMU58-2	SWMU58-2	SWMU58-2	SWMU58-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	SS1113-SWMU-189-1-0.5	SS1113-SWMU-189-1-0.5-D	28651245	28651246	28651247	P4S-0513-SWMU-58-2-19-20
					Sample Name			BEL-S-SWMU58-2(5-6)	BEL-S-SWMU58-2(0.5-1)	BEL-S-SWMU58-2(19-20)	
					Date Sampled	12/17/2013	12/17/2013	12/05/2012	12/05/2012	12/05/2012	05/28/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	5 - 6	0.5 - 1	19 - 20	19 - 20
					Sample Purpose	FS	DUP	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill	Native Soil	Native Soil
Pentachlorobenzene	MG/KG		4.80E-01			<0.1100 UJ	<0.2000	<0.0210	<0.0950	<0.0210	
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.2200	<0.4100	<0.0420	**0.2200 J**	<0.0410	
Phenacetin	MG/KG		1.94E-01			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
Phenanthrene	MG/KG			8.70E-01		**0.57**	**0.54**	**0.34**	**0.95**	**0.0190 J**	
Phenol	MG/KG		6.60E+01			<0.1100	<0.2000	<0.0210	<0.0950	**0.61**	
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.6300 J**	**0.8900 J**	**0.097**	**1.5**	**0.0070 J**	
Pyridine	MG/KG		1.36E-01			<0.4400	<0.8200	<0.0840	<0.3800	**1.3**	
Safrole	MG/KG		1.18E-03			<0.4400 UJ	<0.8200	<0.0840	<0.3800	<0.0820	
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
Thionazin	MG/KG					<0.4400	<0.8200	<0.0840	<0.3800	<0.0820	
Dimethoate	MG/KG		1.80E-02			<1.1000	<2.0000	<0.2100 UL	<0.9400 UL	<0.2100 UL	
Pronamide	MG/KG		2.40E+01			<0.2200	<0.4100	<0.0420	<0.1900	<0.0410	
Inorganics											
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**0.674 J**	**0.830 J**	<0.0803	**2.43**	<0.0814	
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**18.1**	**11.3**	**4.67**	**10.4**	**3.09**	
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**222**	**189**	**98.1**	**832**	**132**	
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**1.17**	**0.911**	**1.05**	**1.2**	**0.867**	
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		**3.16 J**	**1.69 J**	<0.0401	<0.0363	<0.0407	
Calcium	MG/KG										**1090**
Chromium	MG/KG	3.60E+06		4.40E+01		**37.1 J**	**33.0 J**	**23.7 K**	**110 K**	**23.4 K**	
Cobalt	MG/KG		5.40E+00	2.23E+01		**22.8 J**	**20.7 J**	**6.11**	**8.72**	**7.6**	
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**69.6 J**	**44.9 J**	**21.5 K**	**350 K**	**20.3 K**	
Iron	MG/KG		7.00E+03								**27000**
Lead	MG/KG	2.80E+02		1.06E+02		**220**	**275**	**19**	**72.1**	**18.2**	
Magnesium	MG/KG										**3620**
Mercury	MG/KG	2.00E+00		4.14E+00		**1.30 J**	**0.580 J**	**0.0491 J**	**1.79**	**0.0256 J**	
Nickel	MG/KG		5.20E+02	2.59E+01		**31.8 J**	**23.9 J**	**19.9**	**20.8**	**21.4**	
Potassium	MG/KG										**2640 J**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.588**	**0.383 J**	**0.293 J**	**1.17**	**0.164 J**	
Silver	MG/KG		1.60E+01	0.00E+00		**0.322 J**	**0.209 J**	<0.170	**0.707**	<0.173	
Sodium	MG/KG										**1100**
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.252**	**0.185**	**0.207**	**0.191**	**0.298**	
Tin	MG/KG		6.00E+04	0.00E+00		**13**	**5.91 B**	**2.83 B**	**3.99 B**	**2.80 B**	
Vanadium	MG/KG		1.72E+03	6.74E+01		**28.8 J**	**26.1 J**	**31**	**13.2**	**34.8**	
Zinc	MG/KG		7.40E+03	1.33E+02		**385**	**342**	**59.1**	**229**	**62.6**	
Miscellaneous											
Total Organic Carbon	MG/KG										**3280**
Ammonia	MG/KG							**380**	**94.7 J**	**229**	**214**

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU189-1	SWMU189-1	SWMU58-2	SWMU58-2	SWMU58-2	SWMU58-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	SS1113-SWMU-189-1-0.5	SS1113-SWMU-189-1-0.5-D	28651245	28651246	28651247	P4S-0513-SWMU-58-2-19-20
					Sample Name			BEL-S-SWMU58-2(5-6)	BEL-S-SWMU58-2(0.5-1)	BEL-S-SWMU58-2(19-20)	
					Date Sampled	12/17/2013	12/17/2013	12/05/2012	12/05/2012	12/05/2012	05/28/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	5 - 6	0.5 - 1	19 - 20	19 - 20
					Sample Purpose	FS	DUP	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill	Native Soil	Native Soil
Percent Moisture	%					**23.5 J**	**18.3 J**	**20.2**	**11.8**	**18.9**	**21.6**
Ph	STD UNITS										**5.26 J**
Specific Conductance	UMHOS/CM										**1000**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL)
and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU58-2	SWMU58-4	SWMU58-4
					Field Sample ID	P4S-0513-SWMU-58-2-19-20-D	28651249	28651250
					Sample Name		BEL-S-SWMU58-4(5-6)	BEL-S-SWMU58-4(11-12)
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Date Sampled	05/28/2013	12/05/2012	12/05/2012
					Start Depth - End Depth	19 - 20	5 - 6	11 - 12
					Sample Purpose	DUP	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03				<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01				<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04				<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03				<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02				<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00				<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06				<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06				<0.0020 UL	<0.0020 UL
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05				<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00				<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04				<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03				<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG						<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03				<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01				<0.0030	<0.0030
Acetone	MG/KG		5.80E+01				<0.0070	<0.0070
Acetonitrile	MG/KG		5.20E-01				<0.0260	<0.0260
Acrolein	MG/KG		1.68E-04				<0.0210	<0.0200
Acrylonitrile	MG/KG		2.20E-04				<0.0040	<0.0040
Allyl Chloride	MG/KG		4.60E-03				<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03				**0.11**	<0.00050
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04				<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02				<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00				**0.009**	**0.0020 J**
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03				<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00				<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04				<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03				<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04				<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01				<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG						<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00				<0.0020	<0.0020
Ethyl Chloride	MG/KG		1.18E+02				<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00				<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02				<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03			**6.1**		
Iodomethane	MG/KG						<0.0030	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01				<0.1000	<0.1000

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU58-2	SWMU58-4	SWMU58-4
					Field Sample ID	P4S-0513-SWMU-58-2-19-20-D	28651249	28651250
					Sample Name		BEL-S-SWMU58-4(5-6)	BEL-S-SWMU58-4(11-12)
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Date Sampled	05/28/2013	12/05/2012	12/05/2012
					Start Depth - End Depth	19 - 20	5 - 6	11 - 12
					Sample Purpose	DUP	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil
Methacrylonitrile	MG/KG		8.60E-03				<0.0050	<0.0050
Methyl Bromide	MG/KG		3.80E-02				<0.0020	<0.0020
Methyl Chloride	MG/KG		9.80E-01				<0.0020	<0.0020
Methyl Ethyl Ketone	MG/KG		2.40E+01				<0.0040	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00				<0.0030	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00				<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02				<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02				<0.0020	<0.0020
Pentachloroethane	MG/KG		6.20E-03				<0.0010	<0.0010
Propionitrile	MG/KG						<0.0310	<0.0310
Styrene	MG/KG	2.20E+00	2.60E+01				<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01				<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01				**0.0010 J**	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00				<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG						<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05				<0.0100	<0.0100
Trichloroethene	MG/KG	3.60E-02	3.60E-03				<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01				<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00				<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04				<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00				<0.0010	<0.0010
Semi-Volatile Organic Compounds								
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01				<0.0210	<0.0210
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02				<0.0210	<0.0210
1,3,5-Trinitrobenzene	MG/KG		4.20E+01				<0.2100	<0.2100
1,3-Dinitrobenzene	MG/KG		3.60E-02				<0.0830	<0.0830
1,4-Dioxane	MG/KG		1.88E-03				<0.1200	<0.1200
1,4-Naphthoquinone	MG/KG						<1.0000	<1.0000
1-Naphthylamine	MG/KG						<0.2100	<0.2100
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01				<0.0830	<0.0830
2,4,5-Trichlorophenol	MG/KG		8.80E+01				<0.0210	<0.0210
2,4,6-Trichlorophenol	MG/KG		3.00E-01				<0.0210	<0.0210
2,4-Dichlorophenol	MG/KG		1.08E+00				<0.0210	<0.0210
2,4-Dimethylphenol	MG/KG		8.40E+00				<0.0210	<0.0210
2,4-Dinitrophenol	MG/KG		8.80E-01				<0.3700	<0.3700
2,4-Dinitrotoluene	MG/KG		6.40E-03				<0.0830	<0.0830
2,6-Dichlorophenol	MG/KG						<0.0210	<0.0210
2,6-Dinitrotoluene	MG/KG		1.34E-03				<0.0210	<0.0210
2-Acetylaminofluorene	MG/KG		1.44E-03				<0.0830	<0.0830

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU58-2	SWMU58-4	SWMU58-4
					Field Sample ID	P4S-0513-SWMU-58-2-19-20-D	28651249	28651250
					Sample Name		BEL-S-SWMU58-4(5-6)	BEL-S-SWMU58-4(11-12)
					Date Sampled	05/28/2013	12/05/2012	12/05/2012
					Start Depth - End Depth	19 - 20	5 - 6	11 - 12
					Sample Purpose	DUP	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Native Soil
2-Chloronaphthalene	MG/KG		7.60E+01				<0.0090	<0.0090
2-Chlorophenol	MG/KG		1.48E+00				<0.0210	<0.0210
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01			**0.0050 J**	<0.0040
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01				<0.0210	<0.0210
2-Naphthylamine	MG/KG		4.00E-03				<0.2100 UL	<0.2100 UL
2-Nitroaniline	MG/KG		1.60E+00				<0.0210	<0.0210
2-Nitrophenol	MG/KG						<0.0210	<0.0210
2-Picoline	MG/KG						<0.1200	<0.1200
3,3'-Dichlorobenzidine	MG/KG		1.62E-02				<0.1200	<0.1200
3,3'-Dimethylbenzidine	MG/KG		8.60E-04				<0.6200	<0.6200
3-Methylcholanthrene	MG/KG		4.40E-02				<0.0210	<0.0210
3-Nitroaniline	MG/KG						<0.0830	<0.0830
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02				<0.2100	<0.2100
4-Aminobiphenyl	MG/KG		3.00E-04				<0.2100	<0.2100
4-Bromophenyl Phenyl Ether	MG/KG						<0.0210	<0.0210
4-Chloro-3-Methylphenol	MG/KG		3.40E+01				<0.0210	<0.0210
4-Chloroaniline	MG/KG		3.20E-03				<0.0210	<0.0210
4-Chlorophenyl Phenyl Ether	MG/KG						<0.0210	<0.0210
4-Dimethylaminoazobenzene	MG/KG		4.20E-04				<0.0830	<0.0830
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01				<0.0210	<0.0210
4-Nitroaniline	MG/KG		3.20E-02				<0.0830	<0.0830
4-Nitrophenol	MG/KG						<0.2100	<0.2100
4-Nitroquinoline-N-Oxide	MG/KG						<0.4100	<0.4100
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02				<0.2100	<0.2100
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03				<0.0210	<0.0210
Acenaphthene	MG/KG		1.10E+02	3.40E-02			<0.0040	<0.0040
Acenaphthylene	MG/KG			3.10E-01			<0.0040	<0.0040
Acetophenone	MG/KG		1.16E+01				<0.0210	<0.0210
Aniline	MG/KG		9.20E-02				<0.2100	<0.2100
Anthracene	MG/KG		1.16E+03	4.40E-01			<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01			<0.0040	<0.0040
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00			<0.0040	<0.0040
Benzo(G,H,I)Perylene	MG/KG			6.10E-01			<0.0040	<0.0040
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01			<0.0040	<0.0040
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01			<0.0040	<0.0040
Benzyl Alcohol	MG/KG		9.60E+00				<0.2100	<0.2100
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01				<0.0210	<0.0210
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05				<0.0210	<0.0210
Bis(2-Chloroisopropyl)Ether	MG/KG						<0.0210	<0.0210

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU58-2	SWMU58-4	SWMU58-4
					Field Sample ID	P4S-0513-SWMU-58-2-19-20-D	28651249	28651250
					Sample Name		BEL-S-SWMU58-4(5-6)	BEL-S-SWMU58-4(11-12)
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Date Sampled	05/28/2013	12/05/2012	12/05/2012
					Start Depth - End Depth	19 - 20	5 - 6	11 - 12
					Sample Purpose	DUP	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01				<0.0830	<0.0830
Butyl Benzyl Phthalate	MG/KG		4.60E+00				<0.0830	<0.0830
Chlorobenzilate	MG/KG		2.00E-02				<0.0410	<0.0410
Chrysene	MG/KG		2.40E+01	1.50E+00			<0.0040	<0.0040
Diallate	MG/KG		1.56E-02				<0.0410	<0.0410
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01			<0.0040	<0.0040
Dibenzofuran	MG/KG		3.00E+00				<0.0210	<0.0210
Diethyl Phthalate	MG/KG		1.22E+02				<0.0830	<0.0830
Dimethyl Phthalate	MG/KG						<0.0830	<0.0830
Di-N-Butyl Phthalate	MG/KG		4.60E+01				<0.0830	<0.0830
Ethyl Methanesulfonate	MG/KG						<0.0830	<0.0830
Fluoranthene	MG/KG		1.78E+03	1.90E+00			<0.0040	<0.0040
Fluorene	MG/KG		1.08E+02	8.50E-02			<0.0040	<0.0040
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03				<0.0040	<0.0040
Hexachlorobutadiene	MG/KG		5.20E-03				<0.0210	<0.0210
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02				<0.2100	<0.2100
Hexachloroethane	MG/KG		4.00E-03				<0.0410	<0.0410
Hexachloropropylene	MG/KG						<0.1200	<0.1200
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01			<0.0040	<0.0040
Isodrin	MG/KG						<0.0210	<0.0210
Isophorone	MG/KG		5.20E-01				<0.0210	<0.0210
Isosafrole	MG/KG						<0.0830	<0.0830
Methapyrilene	MG/KG						<2.1000	<2.1000
Methyl Methanesulfonate	MG/KG		3.20E-03				<0.0410	<0.0410
Naphthalene	MG/KG		1.08E-02	1.20E+00			**0.0120 J**	<0.0040
N-Dioctyl Phthalate	MG/KG		1.14E+03				<0.0830	<0.0830
Nitrobenzene	MG/KG		1.84E-03				<0.0210	<0.0210
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06				<0.0830	<0.0830
N-Nitrosodiethylamine	MG/KG		1.20E-06				<0.0210	<0.0210
N-Nitrosodimethylamine	MG/KG		5.50E-07				<0.0830	<0.0830
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04				<0.0830	<0.0830
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04				<0.0210	<0.0210
N-Nitrosodiphenylamine	MG/KG		1.32E+00				<0.0210	<0.0210
N-Nitrosomorpholine	MG/KG		5.60E-05				<0.0830	<0.0830
N-Nitrosopiperidine	MG/KG		8.80E-05				<0.0210	<0.0210
N-Nitrosopyrrolidine	MG/KG		2.80E-04				<0.0210	<0.0210
O,O,O-Triethylphosphorothioate	MG/KG						<0.0830	<0.0830
O-Toluidine	MG/KG						<0.2500	<0.2500
para-Phenylenediamine	MG/KG		2.00E+01				<14.0000	<15.0000

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU58-2	SWMU58-4	SWMU58-4
					Field Sample ID	P4S-0513-SWMU-58-2-19-20-D	28651249	28651250
					Sample Name		BEL-S-SWMU58-4(5-6)	BEL-S-SWMU58-4(11-12)
					Date Sampled	05/28/2013	12/05/2012	12/05/2012
					Start Depth - End Depth	19 - 20	5 - 6	11 - 12
					Sample Purpose	DUP	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Native Soil	Native Soil	Native Soil
Pentachlorobenzene	MG/KG		4.80E-01				<0.0210	<0.0210
Pentachloronitrobenzene	MG/KG		2.80E-02				<0.0830	<0.0830
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03				<0.0410	<0.0410
Phenacetin	MG/KG		1.94E-01				<0.0830	<0.0830
Phenanthrene	MG/KG			8.70E-01			**0.0060 J**	<0.0040
Phenol	MG/KG		6.60E+01				<0.0210	<0.0210
Pyrene	MG/KG		2.60E+02	1.50E+00			<0.0040	<0.0040
Pyridine	MG/KG		1.36E-01				<0.0830	<0.0830
Safrole	MG/KG		1.18E-03				<0.0830	<0.0830
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01				<0.0830	<0.0830
Thionazin	MG/KG						<0.0830	<0.0830
Dimethoate	MG/KG		1.80E-02				<0.2100 UL	<0.2100 UL
Pronamide	MG/KG		2.40E+01				<0.0410	<0.0410
Inorganics								
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00			<0.0809	<0.0805
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01			**8.65**	**8.32**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02			**93.9**	**170**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00			**0.948**	**0.986**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00			<0.0404	<0.0402
Calcium	MG/KG					**934**		
Chromium	MG/KG	3.60E+06		4.40E+01			**21.3 K**	**23.8 K**
Cobalt	MG/KG		5.40E+00	2.23E+01			**9.8**	**14.9**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01			**14.6 K**	**17.7 K**
Iron	MG/KG		7.00E+03			**31800**		
Lead	MG/KG	2.80E+02		1.06E+02			**17.9**	**21.8**
Magnesium	MG/KG					**2880**		
Mercury	MG/KG	2.00E+00		4.14E+00			**0.0302 J**	**0.0242 J**
Nickel	MG/KG		5.20E+02	2.59E+01			**19.8**	**25.2**
Potassium	MG/KG					**2070 J**		
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00			**0.290 J**	**0.198 J**
Silver	MG/KG		1.60E+01	0.00E+00			<0.172	<0.171
Sodium	MG/KG					**963**		
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01			**0.274**	**0.246**
Tin	MG/KG		6.00E+04	0.00E+00			**2.67 B**	**2.99 B**
Vanadium	MG/KG		1.72E+03	6.74E+01			**29.9**	**36.6**
Zinc	MG/KG		7.40E+03	1.33E+02			**58.8**	**85**
Miscellaneous								
Total Organic Carbon	MG/KG					**1880**		
Ammonia	MG/KG					**601**	**323**	**216**

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU58-2	SWMU58-4	SWMU58-4
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0513-SWMU-58-2-19-20-D	28651249	28651250
					Sample Name		BEL-S-SWMU58-4(5-6)	BEL-S-SWMU58-4(11-12)
					Date Sampled	05/28/2013	12/05/2012	12/05/2012
					Start Depth - End Depth	19 - 20	5 - 6	11 - 12
					Sample Purpose	DUP	FS	FS
					Fill or Native Soil	Native Soil	Native Soil	Native Soil
Percent Moisture	%					**19.4**	**19.2**	**19.6**
Ph	STD UNITS					**5.34 J**		
Specific Conductance	UMHOS/CM					**1160**		

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Summary of Groundwater Analytical Results - SWMUs 121, 122, and 150
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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SWMU150-1	SWMU150-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW1113-SWMU150-1	GW1113-SWMU150-2
					Sample Name		
					Date Sampled	12/05/2013	12/05/2013
					Sample Purpose	FS	FS
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<1	<1
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<0.8	<0.8
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<1	<1
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<0.8	<0.8
1,1-Dichloroethane	N	UG/L		2.70E+00		<1	<1
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<0.8	<0.8
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<1	<1
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<2	<2
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<1	<1
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01		<1	<1
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<1	<1
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<1	<1
1,3-Dichlorobenzene	N	UG/L				<1	<1
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01		<1	<1
2-Hexanone	N	UG/L		3.80E+00		<3	<3
Acetone	N	UG/L		1.40E+03		<6	<6
Acetonitrile	N	UG/L		1.30E+01		<25	<25
Acrolein	N	UG/L		4.20E-03		<40	<40
Acrylonitrile	N	UG/L		5.20E-02		<4	<4
Allyl Chloride	N	UG/L		2.10E-01		<1	<1
Benzene	N	UG/L	5.00E+00	4.50E-01		**5**	**3 J**
Bromodichloromethane	N	UG/L		1.30E-01		<1	<1
Bromoform	N	UG/L		3.30E+00		<1	<1
Carbon Disulfide	N	UG/L		8.10E+01		<1	<1
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<1	<1
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		<0.8	<0.8
Chlorodibromomethane	N	UG/L		1.70E-01		<1	<1
Chloroform	N	UG/L		2.20E-01		<0.8	<0.8
Chloroprene	N	UG/L		1.90E-02		<1	<1
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<0.8	<0.8
cis-1,3-Dichloropropene	N	UG/L				<1	<1
Dichlorodifluoromethane	N	UG/L		2.00E+01		<2	<2
Ethyl Chloride	N	UG/L		2.10E+03		<1	<1
Ethyl Methacrylate	N	UG/L		4.60E+01		<1	<1
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		**1 J**	<0.8
Formaldehyde	N	UG/L		4.30E-01		**100**	**62**
Iodomethane	N	UG/L				<1	<1
Isobutyl Alcohol	N	UG/L		5.90E+02		<100	<100
Methacrylonitrile	N	UG/L		1.90E-01		<10	<10
Methyl Bromide	N	UG/L		7.50E-01		<1	<1
Methyl Chloride	N	UG/L		1.90E+01		<1	<1

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SWMU150-1	SWMU150-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW1113-SWMU150-1	GW1113-SWMU150-2
					Sample Name		
					Date Sampled	12/05/2013	12/05/2013
					Sample Purpose	FS	FS
Methyl Ethyl Ketone	N	UG/L		5.60E+02		<3	**54**
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<3	<3
Methyl Methacrylate	N	UG/L		1.40E+02		<1	<1
Methylene Bromide	N	UG/L		8.00E-01		<1	<1
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2	<2
Pentachloroethane	N	UG/L		6.40E-01		<1	<1
Propionitrile	N	UG/L				<30	<30
Styrene	N	UG/L	1.00E+02	1.20E+02		<1	<1
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<0.8	<0.8
Toluene	N	UG/L	1.00E+03	1.10E+02		**1 J**	<0.7
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<0.8	<0.8
trans-1,3-Dichloropropene	N	UG/L				<1	<1
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<15	<15
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<1	<1
Trichlorofluoromethane	N	UG/L		1.10E+02		<2	<2
Vinyl Acetate	N	UG/L		4.10E+01		<2	<2
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<1	<1
Xylenes	N	UG/L	1.00E+04	1.90E+01		**4 J**	**1 J**
Semi-Volatile Organic Compounds							
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01		<3	<3
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01		<3	<3
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01		<25 UJ	<25 UJ
1,3-Dinitrobenzene	N	UG/L		2.00E-01		<10	<10
1,4-Dioxane	N	UG/L		4.60E-01		**19 J**	<5
1,4-Naphthoquinone	N	UG/L				<50 R	<50 R
1-Naphthylamine	N	UG/L				<25	<25
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01		<3	<3
2,4,5-Trichlorophenol	N	UG/L		1.20E+02		<3	<3
2,4,6-Trichlorophenol	N	UG/L		1.20E+00		<3	<3
2,4-Dichlorophenol	N	UG/L		4.60E+00		<3	<3
2,4-Dimethylphenol	N	UG/L		3.60E+01		<3	<3
2,4-Dinitrophenol	N	UG/L		3.90E+00		<50	<50
2,4-Dinitrotoluene	N	UG/L		2.40E-01		<5	<5
2,6-Dichlorophenol	N	UG/L				<3	<3
2,6-Dinitrotoluene	N	UG/L		4.80E-02		<3	<3
2-Acetylaminofluorene	N	UG/L		1.60E-02		<10	<10
2-Chloronaphthalene	N	UG/L		7.50E+01		<2	<2
2-Chlorophenol	N	UG/L		9.10E+00		<3	<3
2-Methylnaphthalene	N	UG/L		3.60E+00		**2 J**	**2 J**
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01		<3	<3
2-Naphthylamine	N	UG/L		3.90E-02		<25	<25
2-Nitroaniline	N	UG/L		1.90E+01		<3	<3

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SWMU150-1	SWMU150-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW1113-SWMU150-1	GW1113-SWMU150-2
					Sample Name		
					Date Sampled	12/05/2013	12/05/2013
					Sample Purpose	FS	FS
2-Nitrophenol	N	UG/L				<3	<3
2-Picoline	N	UG/L				<10	<10
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01		<10	<10
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03		<130	<130
3-Methylcholanthrene	N	UG/L		1.10E-03		<3	<3
3-Nitroaniline	N	UG/L				<3	<3
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01		<25	<25
4-Aminobiphenyl	N	UG/L		3.00E-03		<3	<3
4-Bromophenyl Phenyl Ether	N	UG/L				<3	<3
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02		<3	<3
4-Chloroaniline	N	UG/L		3.60E-01		<3	<3
4-Chlorophenyl Phenyl Ether	N	UG/L				<3	<3
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03		<3	<3
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02		<3	<3
4-Nitroaniline	N	UG/L		3.80E+00		<3	<3
4-Nitrophenol	N	UG/L				<50	<50
4-Nitroquinoline-N-Oxide	N	UG/L				<100	<100
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00		<3	<3
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04		<3	<3
Acenaphthene	N	UG/L		5.30E+01		<0.5	<0.5
Acenaphthylene	N	UG/L		5.30E+01		**14**	**1 J**
Acetophenone	N	UG/L		1.90E+02		<3	<3
Aniline	N	UG/L		1.30E+01		<3	<3
Anthracene	N	UG/L		1.80E+02		**18**	**0.9 J**
Benzo(A)Anthracene	N	UG/L		1.20E-02		**59**	**2 J**
Benzo(B)Fluoranthene	N	UG/L		3.40E-02		**69**	**3**
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01		**46**	**2 J**
Benzo(K)Fluoranthene	N	UG/L		3.40E-01		**29**	**1 J**
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03		**59**	**3**
Benzyl Alcohol	N	UG/L		2.00E+02		<25	<25
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00		<3	<3
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02		<3	<3
Bis(2-Chloroisopropyl)Ether	N	UG/L				<3	<3
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00		**24 J**	**21 J**
Butyl Benzyl Phthalate	N	UG/L		1.60E+01		<10	<10
Chlorobenzilate	N	UG/L		3.10E-01		<15	<15
Chrysene	N	UG/L		3.40E+00		**56**	**2 J**
Diallate	N	UG/L		5.20E-01		<5	<5
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03		**8**	<0.5
Dibenzofuran	N	UG/L		7.90E-01		**4 J**	<3
Diethyl Phthalate	N	UG/L		1.50E+03		<10	<10
Dimethyl Phthalate	N	UG/L				<10	<10

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SWMU150-1	SWMU150-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW1113-SWMU150-1	GW1113-SWMU150-2
					Sample Name		
					Date Sampled	12/05/2013	12/05/2013
					Sample Purpose	FS	FS
Di-N-Butyl Phthalate	N	UG/L		9.00E+01		<10	<10
Ethyl Methanesulfonate	N	UG/L				<3	<3
Fluoranthene	N	UG/L		8.00E+01		**120**	**4**
Fluorene	N	UG/L		2.90E+01		**3**	<0.5
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03		<0.5	<0.5
Hexachlorobutadiene	N	UG/L		1.40E-01		<3	<3
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02		<25	<25
Hexachloroethane	N	UG/L		3.30E-01		<5	<5
Hexachloropropylene	N	UG/L				<10	<10
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02		**39**	**1 J**
Isodrin	N	UG/L				<3	<3
Isophorone	N	UG/L		7.80E+01		<3	<3
Isosafrole	N	UG/L				<10	<10
Methapyrilene	N	UG/L				<75	<75
Methyl Methanesulfonate	N	UG/L		7.90E-01		<5	<5
Naphthalene	N	UG/L		1.70E-01		**22**	**24**
N-Dioctyl Phthalate	N	UG/L		2.00E+01		<10	<10
Nitrobenzene	N	UG/L		1.40E-01		<3	<3
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04		<10	<10
N-Nitrosodiethylamine	N	UG/L		1.70E-04		<3	<3
N-Nitrosodimethylamine	N	UG/L		1.10E-04		<10	<10
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03		<10	<10
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02		<3	<3
N-Nitrosodiphenylamine	N	UG/L		1.20E+01		<3	<3
N-Nitrosomorpholine	N	UG/L		1.20E-02		<10	<10
N-Nitrosopiperidine	N	UG/L		8.20E-03		<3	<3
N-Nitrosopyrrolidine	N	UG/L		3.70E-02		<3	<3
O,O,O-Triethylphosphorothioate	N	UG/L				<10	<10
O-Toluidine	N	UG/L				<3	<3
para-Phenylenediamine	N	UG/L		3.80E+02		<380	<380
Pentachlorobenzene	N	UG/L		3.20E-01		<3	<3
Pentachloronitrobenzene	N	UG/L		1.20E-01		<10	<10
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02		<5	<5
Phenacetin	N	UG/L		3.40E+01		<3	<3
Phenanthrene	N	UG/L		1.80E+02		**62**	**3**
Phenol	N	UG/L		5.80E+02		<3	<3
Pyrene	N	UG/L		1.20E+01		**120**	**4**
Pyridine	N	UG/L		2.00E+00		<10	<10

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	SWMU150-1	SWMU150-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	GW1113-SWMU150-1	GW1113-SWMU150-2
					Sample Name		
					Date Sampled	12/05/2013	12/05/2013
					Sample Purpose	FS	FS
Safrole	N	UG/L		9.50E-02		<10	<10
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01		<5	<5
Thionazin	N	UG/L				<10 UJ	<10 UJ
Dimethoate	N	UG/L		4.00E-01		<15	<15
Pronamide	N	UG/L		1.20E+02		<3	<3
Inorganics							
Antimony	N	UG/L	6.00E+00	7.80E-01		**0.54 J**	**8.7**
Arsenic	N	UG/L	1.00E+01	5.20E-02		**88.3**	**415**
Barium	N	UG/L	2.00E+03	3.80E+02		**3580**	**7700**
Beryllium	N	UG/L	4.00E+00	2.50E+00		**47.6**	**66.4**
Cadmium	N	UG/L	5.00E+00	9.20E-01		**1.7 J**	**9.8 J**
Chromium	N	UG/L	1.00E+02	2.20E+03		**1060**	**1970**
Cobalt	N	UG/L		6.00E-01		**391**	**5360**
Copper	N	UG/L	1.30E+03	8.00E+01		**945**	**33000**
Lead	N	UG/L	1.50E+01	1.50E+01		**608**	**4240**
Mercury	N	UG/L	2.00E+00	6.30E-02		**231**	**9.3**
Nickel	N	UG/L		3.90E+01		**853**	**6520**
Selenium	N	UG/L	5.00E+01	1.00E+01		**7.5**	**56.9**
Silver	N	UG/L		9.40E+00		<2.1	**58.6**
Thallium	N	UG/L	2.00E+00	2.00E-02		**3.3**	**18.2**
Tin	N	UG/L		1.20E+03		**37.3**	**120**
Vanadium	N	UG/L		8.60E+00		**1260**	**1700**
Zinc	N	UG/L		6.00E+02		**3120**	**12700**

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU121-2	SWMU121-2	SWMU121-2	SWMU122-1	SWMU122-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28601727	28601728	28601729	28603282	P4S-0513-SWMU-122-1-5-6
					Sample Name	BEL-S-SWMU121-2(2-3)	BEL-S-SWMU121-2(10-11)	BEL-S-SWMU121-2(16-17)	BEL-S-SWMU122-1(5-6)	
					Date Sampled	11/29/2012	11/29/2012	11/29/2012	11/29/2012	05/24/2013
					Start Depth - End Depth	2 - 3	10 - 11	16 - 17	5 - 6	5 - 6
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Fill	Fill
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020 UL	<0.0020 UL	<0.0020 UL	<0.0020 UL	<0.0020
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01			<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Acetone	MG/KG		5.80E+01			**0.0150 J**	**0.0080 J**	**0.021**	<0.0070	<0.0070
Acetonitrile	MG/KG		5.20E-01			<0.0220	<0.0250	<0.0260	<0.0260	<0.0260
Acrolein	MG/KG		1.68E-04			<0.0170	<0.0200	<0.0210	<0.0210	<0.0210
Acrylonitrile	MG/KG		2.20E-04			<0.0030	<0.0040	<0.0040	<0.0040	<0.0040
Allyl Chloride	MG/KG		4.60E-03			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			**0.00090 J**	<0.00050	<0.00050	**0.0020 J**	<0.00050
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Chloride	MG/KG		1.18E+02			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03							**6 J**
Iodomethane	MG/KG					<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01			<0.0860	<0.0990	<0.1100	<0.1000	<0.1000
Methacrylonitrile	MG/KG		8.60E-03			<0.0040	<0.0050	<0.0050	<0.0050	<0.0050
Methyl Bromide	MG/KG		3.80E-02			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Chloride	MG/KG		9.80E-01			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU121-2	SWMU121-2	SWMU121-2	SWMU122-1	SWMU122-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28601727	28601728	28601729	28603282	P4S-0513-SWMU-122-1-5-6
					Sample Name	BEL-S-SWMU121-2(2-3)	BEL-S-SWMU121-2(10-11)	BEL-S-SWMU121-2(16-17)	BEL-S-SWMU122-1(5-6)	
					Date Sampled	11/29/2012	11/29/2012	11/29/2012	11/29/2012	05/24/2013
					Start Depth - End Depth	2 - 3	10 - 11	16 - 17	5 - 6	5 - 6
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Fill	Fill
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0030	<0.0040	<0.0040	<0.0040	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Pentachloroethane	MG/KG		6.20E-03			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0260	<0.0300	<0.0320	<0.0310	<0.0310
Styrene	MG/KG	2.20E+00	2.60E+01			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			**0.0010 J**	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0090	<0.0100	<0.0110	<0.0100	<0.0100
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.00090	<0.0010	<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.1900	<0.2000	<0.2000	<0.2100	<0.2200
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
1,4-Dioxane	MG/KG		1.88E-03			<0.1100	<0.1200	<0.1200	<0.1300	<0.1300
1,4-Naphthoquinone	MG/KG					<0.9300	<1.0000	<1.0000	<1.1000	<1.1000
1-Naphthylamine	MG/KG					<0.1900	<0.2000	<0.2000	<0.2100	<0.2200
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3300	<0.3700	<0.3600	<0.3800	<0.3900
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
2,6-Dichlorophenol	MG/KG					<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0080	<0.0090	<0.0080	<0.0090	<0.0090
2-Chlorophenol	MG/KG		1.48E+00			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.0160 J**	**0.0050 J**	<0.0040	**0.0150 J**	<0.0040
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
2-Naphthylamine	MG/KG		4.00E-03			<0.1900 UL	<0.2000 UL	<0.2000 UL	<0.2100 UL	<0.2200
2-Nitroaniline	MG/KG		1.60E+00			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU121-2	SWMU121-2	SWMU121-2	SWMU122-1	SWMU122-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28601727	28601728	28601729	28603282	P4S-0513-SWMU-122-1-5-6
					Sample Name	BEL-S-SWMU121-2(2-3)	BEL-S-SWMU121-2(10-11)	BEL-S-SWMU121-2(16-17)	BEL-S-SWMU122-1(5-6)	
					Date Sampled	11/29/2012	11/29/2012	11/29/2012	11/29/2012	05/24/2013
					Start Depth - End Depth	2 - 3	10 - 11	16 - 17	5 - 6	5 - 6
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Fill	Fill
2-Nitrophenol	MG/KG					<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
2-Picoline	MG/KG					<0.1100	<0.1200	<0.1200	<0.1300	<0.1300
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1100	<0.1200	<0.1200	<0.1300	<0.1300
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.5600 UL	<0.6100 UL	<0.6100 UL	<0.6400 UL	<0.6500
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
3-Nitroaniline	MG/KG					<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.1900	<0.2000	<0.2000	<0.2100	<0.2200
4-Aminobiphenyl	MG/KG		3.00E-04			<0.1900	<0.2000	<0.2000	<0.2100	<0.2200
4-Bromophenyl Phenyl Ether	MG/KG					<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
4-Chloroaniline	MG/KG		3.20E-03			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
4-Nitroaniline	MG/KG		3.20E-02			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
4-Nitrophenol	MG/KG					<0.1900	<0.2000	<0.2000	<0.2100	<0.2200
4-Nitroquinoline-N-Oxide	MG/KG					<0.3700	<0.4100	<0.4000	<0.4300	<0.4400
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.1900	<0.2000	<0.2000	<0.2100	<0.2200
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0040	**0.0060 J**	<0.0040	<0.0040	<0.0040
Acenaphthylene	MG/KG			3.10E-01		**0.0050 J**	<0.0040	<0.0040	<0.0040	<0.0040
Acetophenone	MG/KG		1.16E+01			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
Aniline	MG/KG		9.20E-02			<0.1900	<0.2000	<0.2000	<0.2100	<0.2200
Anthracene	MG/KG		1.16E+03	4.40E-01		**0.0080 J**	<0.0040	<0.0040	**0.0110 J**	<0.0040
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.0150 J**	<0.0040	<0.0040	**0.0150 J**	<0.0040
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.02**	<0.0040	<0.0040	**0.024**	**0.0060 J**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.0130 J**	<0.0040	<0.0040	**0.0110 J**	<0.0040
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**0.0090 J**	<0.0040	<0.0040	**0.0110 J**	<0.0040
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**0.0110 J**	<0.0040	<0.0040	**0.0100 J**	<0.0040
Benzyl Alcohol	MG/KG		9.60E+00			<0.1900	<0.2000	<0.2000	<0.2100	<0.2200
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
Chlorobenzilate	MG/KG		2.00E-02			<0.0370	<0.0410	<0.0400	<0.0430	<0.0440
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.021**	**0.0050 J**	<0.0040	**0.022**	**0.0070 J**
Diallate	MG/KG		1.56E-02			<0.0370	<0.0410	<0.0400	<0.0430	<0.0440
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Dibenzofuran	MG/KG		3.00E+00			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
Diethyl Phthalate	MG/KG		1.22E+02			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
Dimethyl Phthalate	MG/KG					<0.0740	<0.0820	<0.0810	<0.0850	<0.0870

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU121-2	SWMU121-2	SWMU121-2	SWMU122-1	SWMU122-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28601727	28601728	28601729	28603282	P4S-0513-SWMU-122-1-5-6
					Sample Name	BEL-S-SWMU121-2(2-3)	BEL-S-SWMU121-2(10-11)	BEL-S-SWMU121-2(16-17)	BEL-S-SWMU122-1(5-6)	
					Date Sampled	11/29/2012	11/29/2012	11/29/2012	11/29/2012	05/24/2013
					Start Depth - End Depth	2 - 3	10 - 11	16 - 17	5 - 6	5 - 6
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Fill	Fill
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
Ethyl Methanesulfonate	MG/KG					<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.035**	**0.0040 J**	<0.0040	**0.062**	**0.0090 J**
Fluorene	MG/KG		1.08E+02	8.50E-02		**0.0070 J**	**0.0050 J**	<0.0040	**0.0050 J**	<0.0040
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.1900	<0.2000	<0.2000	<0.2100	<0.2200
Hexachloroethane	MG/KG		4.00E-03			<0.0370	<0.0410	<0.0400	<0.0430	<0.0440
Hexachloropropylene	MG/KG					<0.1100	<0.1200	<0.1200	<0.1300	<0.1300
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**0.0070 J**	<0.0040	<0.0040	**0.0090 J**	<0.0040
Isodrin	MG/KG					<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
Isophorone	MG/KG		5.20E-01			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
Isosafrole	MG/KG					<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
Methapyrilene	MG/KG					<1.9000	<2.0000	<2.0000	<2.1000	<2.2000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0370	<0.0410	<0.0400	<0.0430	<0.0440
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.021**	**0.0200 J**	<0.0040	**0.062**	**0.0070 J**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
Nitrobenzene	MG/KG		1.84E-03			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
O,O,O-Triethylphosphorothioate	MG/KG					<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
O-Toluidine	MG/KG					<0.2200	<0.2500	<0.2400	<0.2600	<0.2600
para-Phenylenediamine	MG/KG		2.00E+01			<13.0000	<14.0000	<14.0000	<15.0000	<15.0000
Pentachlorobenzene	MG/KG		4.80E-01			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0370	<0.0410	<0.0400	<0.0430	<0.0440
Phenacetin	MG/KG		1.94E-01			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
Phenanthrene	MG/KG			8.70E-01		**0.034**	**0.0100 J**	**0.0090 J**	**0.081**	**0.0130 J**
Phenol	MG/KG		6.60E+01			<0.0190	<0.0200	<0.0200	<0.0210	<0.0220
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.031**	**0.0050 J**	<0.0040	**0.029**	**0.0070 J**
Pyridine	MG/KG		1.36E-01			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
Safrole	MG/KG		1.18E-03			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
Thionazin	MG/KG					<0.0740	<0.0820	<0.0810	<0.0850	<0.0870
Dimethoate	MG/KG		1.80E-02			<0.1900 UL	<0.2000 UL	<0.2000 UL	<0.2100 UL	<0.2200

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU121-2	SWMU121-2	SWMU121-2	SWMU122-1	SWMU122-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28601727	28601728	28601729	28603282	P4S-0513-SWMU-122-1-5-6
					Sample Name	BEL-S-SWMU121-2(2-3)	BEL-S-SWMU121-2(10-11)	BEL-S-SWMU121-2(16-17)	BEL-S-SWMU122-1(5-6)	
					Date Sampled	11/29/2012	11/29/2012	11/29/2012	11/29/2012	05/24/2013
					Start Depth - End Depth	2 - 3	10 - 11	16 - 17	5 - 6	5 - 6
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Fill	Fill
Pronamide	MG/KG		2.40E+01			<0.0370	<0.0410	<0.0400	<0.0430	<0.0440
Inorganics										
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**0.71**	**0.0853 J**	**0.137 J**	**0.198 J**	
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**35.4**	**6.34**	**7.8**	**5.11**	
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**64.9**	**143**	**127**	**150**	
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**0.921**	**1.24**	**1.11**	**1.24**	
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		**0.203 J**	<0.0394	<0.0777	<0.0423	
Chromium	MG/KG	3.60E+06		4.40E+01		**35.4 K**	**26.1 K**	**25.5 K**	**24.5 K**	
Cobalt	MG/KG		5.40E+00	2.23E+01		**8.34**	**12.8**	**23**	**8.94**	
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**128**	**16.2**	**18.2**	**26**	
Lead	MG/KG	2.80E+02		1.06E+02		**32.2**	**17.8**	**18.7**	**45.2**	
Mercury	MG/KG	2.00E+00		4.14E+00		**1**	**0.0264 J**	**0.0277 J**	**0.277**	
Nickel	MG/KG		5.20E+02	2.59E+01		**16**	**21.1**	**21.1**	**21.4**	
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.667**	**0.552**	**0.164 J**	**0.582**	
Silver	MG/KG		1.60E+01			<0.151	<0.167	<0.165	<0.179	
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.136**	**0.245**	**0.236**	**0.229**	
Tin	MG/KG		6.00E+04			**4.31 B**	**2.63 B**	**2.50 B**	**3.62 B**	
Vanadium	MG/KG		1.72E+03	6.74E+01		**15.4**	**37.9**	**36**	**34.2**	
Zinc	MG/KG		7.40E+03	1.33E+02		**77.8**	**69.3**	**66.4**	**111**	
Miscellaneous										
Total Organic Carbon	MG/KG									**3810**
Ammonia	MG/KG									**131**
Percent Moisture	%					**10.1**	**18.6**	**17.5**	**22**	**23.9 J**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0513-SWMU-122-1-5-6-D	28603284	28603286	28603287
					Sample Name		BEL-S-SWMU122-2(17-18)	BEL-S-SWMU122-6(2-3)	BEL-S-SWMU122-6(10-11)
					Date Sampled	05/24/2013	11/29/2012	11/29/2012	11/29/2012
					Start Depth - End Depth	5 - 6	17 - 18	2 - 3	10 - 11
					Sample Purpose	DUP	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Native Soil
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020	<0.0020 UL	<0.0020 UL	<0.0020 UL
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0010	<0.0010	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01			<0.0030	<0.0030	<0.0030	<0.0030
Acetone	MG/KG		5.80E+01			<0.0070	<0.0080	**0.0140 J**	**0.0180 J**
Acetonitrile	MG/KG		5.20E-01			<0.0260	<0.0280	<0.0260	<0.0250
Acrolein	MG/KG		1.68E-04			<0.0200	<0.0230	<0.0210	<0.0200
Acrylonitrile	MG/KG		2.20E-04			<0.0040	<0.0050	<0.0040	<0.0040
Allyl Chloride	MG/KG		4.60E-03			<0.0010	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			<0.00050	<0.00060	**0.0010 J**	<0.00050
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			<0.0010	<0.0010	**0.0030 J**	**0.0020 J**
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0010	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.0010	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Chloride	MG/KG		1.18E+02			<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0010	<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03			**21 J**			
Iodomethane	MG/KG					<0.0030	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1000	<0.1100	<0.1000	<0.1000
Methacrylonitrile	MG/KG		8.60E-03			<0.0050	<0.0060	<0.0050	<0.0050
Methyl Bromide	MG/KG		3.80E-02			<0.0020	<0.0020	<0.0020	<0.0020
Methyl Chloride	MG/KG		9.80E-01			<0.0020	<0.0020	<0.0020	<0.0020

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU122-1	SWMU122-2	SWMU122-6	SWMU122-6
					Field Sample ID	P4S-0513-SWMU-122-1-5-6-D	28603284	28603286	28603287
					Sample Name		BEL-S-SWMU122-2(17-18)	BEL-S-SWMU122-6(2-3)	BEL-S-SWMU122-6(10-11)
					Date Sampled	05/24/2013	11/29/2012	11/29/2012	11/29/2012
					Start Depth - End Depth	5 - 6	17 - 18	2 - 3	10 - 11
					Sample Purpose	DUP	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Fill	Native Soil
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0040	<0.0050	<0.0040	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010	<0.0010	<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020	<0.0020	<0.0020	<0.0020
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0310	<0.0340	<0.0310	<0.0300
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			<0.0010	<0.0010	**0.0030 J**	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0100	<0.0110	<0.0100	<0.0100
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.0010	<0.0010	**0.0010 J**	<0.0010
Semi-Volatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0210	<0.0210	<0.0210	<0.0210
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0210	<0.0210	<0.0210	<0.0210
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2100	<0.2100	<0.2100	<0.2100
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0840	<0.0830	<0.0830	<0.0850
1,4-Dioxane	MG/KG		1.88E-03			<0.1300	<0.1300	<0.1200	<0.1300
1,4-Naphthoquinone	MG/KG					<1.1000	<1.0000	<1.0000	<1.1000
1-Naphthylamine	MG/KG					<0.2100	<0.2100	<0.2100	<0.2100
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0840	<0.0830	<0.0830	<0.0850
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0210	<0.0210	<0.0210	<0.0210
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0210	<0.0210	<0.0210	<0.0210
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0210	<0.0210	<0.0210	<0.0210
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0210	<0.0210	<0.0210	<0.0210
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3800	<0.3800	<0.3700	<0.3800
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0840	<0.0830	<0.0830	<0.0850
2,6-Dichlorophenol	MG/KG					<0.0210	<0.0210	<0.0210	<0.0210
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0210	<0.0210	<0.0210	<0.0210
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0840	<0.0830	<0.0830	<0.0850
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0090	<0.0090	<0.0090	<0.0090
2-Chlorophenol	MG/KG		1.48E+00			<0.0210	<0.0210	<0.0210	<0.0210
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.0090 J**	<0.0040	**0.043**	**0.025**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0210	<0.0210	<0.0210	<0.0210
2-Naphthylamine	MG/KG		4.00E-03			<0.2100	<0.2100 UL	<0.2100 UL	<0.2100 UL
2-Nitroaniline	MG/KG		1.60E+00			<0.0210	<0.0210	<0.0210	<0.0210

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU122-1	SWMU122-2	SWMU122-6	SWMU122-6
					Field Sample ID	P4S-0513-SWMU-122-1-5-6-D	28603284	28603286	28603287
					Sample Name		BEL-S-SWMU122-2(17-18)	BEL-S-SWMU122-6(2-3)	BEL-S-SWMU122-6(10-11)
					Date Sampled	05/24/2013	11/29/2012	11/29/2012	11/29/2012
					Start Depth - End Depth	5 - 6	17 - 18	2 - 3	10 - 11
					Sample Purpose	DUP	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Native Soil	Fill	Native Soil
2-Nitrophenol	MG/KG					<0.0210	<0.0210	<0.0210	<0.0210
2-Picoline	MG/KG					<0.1300	<0.1300	<0.1200	<0.1300
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1300	<0.1300	<0.1200	<0.1300
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.6300	<0.6300 UL	<0.6200 UL	<0.6400 UL
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0210	<0.0210	<0.0210	<0.0210
3-Nitroaniline	MG/KG					<0.0840	<0.0830	<0.0830	<0.0850
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2100	<0.2100	<0.2100	<0.2100
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2100	<0.2100	<0.2100	<0.2100
4-Bromophenyl Phenyl Ether	MG/KG					<0.0210	<0.0210	<0.0210	<0.0210
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0210	<0.0210	<0.0210	<0.0210
4-Chloroaniline	MG/KG		3.20E-03			<0.0210	<0.0210	<0.0210	<0.0210
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0210	<0.0210	<0.0210	<0.0210
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0840	<0.0830	<0.0830	<0.0850
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0210	<0.0210	<0.0210	<0.0210
4-Nitroaniline	MG/KG		3.20E-02			<0.0840	<0.0830	<0.0830	<0.0850
4-Nitrophenol	MG/KG					<0.2100	<0.2100	<0.2100	<0.2100
4-Nitroquinoline-N-Oxide	MG/KG					<0.4200	<0.4200	<0.4100	<0.4300
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2100	<0.2100	<0.2100	<0.2100
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0210	<0.0210	<0.0210	<0.0210
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0040	<0.0040	<0.0040	**0.0080 J**
Acenaphthylene	MG/KG			3.10E-01		<0.0040	<0.0040	**0.0080 J**	<0.0040
Acetophenone	MG/KG		1.16E+01			<0.0210	<0.0210	<0.0210	<0.0210
Aniline	MG/KG		9.20E-02			<0.2100	<0.2100	<0.2100	<0.2100
Anthracene	MG/KG		1.16E+03	4.40E-01		**0.0050 J**	<0.0040	**0.0050 J**	**0.0130 J**
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.0080 J**	<0.0040	**0.0180 J**	**0.0090 J**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.0110 J**	**0.0070 J**	**0.032**	**0.0110 J**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.0070 J**	<0.0040	**0.027**	**0.0070 J**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**0.0060 J**	<0.0040	**0.0160 J**	**0.0060 J**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**0.0060 J**	<0.0040	**0.022**	**0.0070 J**
Benzyl Alcohol	MG/KG		9.60E+00			<0.2100	<0.2100	<0.2100	<0.2100
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0210	<0.0210	<0.0210	<0.0210
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0210	<0.0210	<0.0210	<0.0210
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0210	<0.0210	<0.0210	<0.0210
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0840	<0.0830	<0.0830	<0.0850
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0840	<0.0830	<0.0830	<0.0850
Chlorobenzilate	MG/KG		2.00E-02			<0.0420	<0.0420	<0.0410	<0.0430
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.0120 J**	<0.0040	**0.027**	**0.0150 J**
Diallate	MG/KG		1.56E-02			<0.0420	<0.0420	<0.0410	<0.0430
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0040	<0.0040	<0.0040	<0.0040
Dibenzofuran	MG/KG		3.00E+00			<0.0210	<0.0210	<0.0210	<0.0210
Diethyl Phthalate	MG/KG		1.22E+02			<0.0840	<0.0830	<0.0830	<0.0850
Dimethyl Phthalate	MG/KG					<0.0840	<0.0830	<0.0830	<0.0850

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU122-1	SWMU122-2	SWMU122-6	SWMU122-6
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0513-SWMU-122-1-5-6-D	28603284	28603286	28603287
					Sample Name		BEL-S-SWMU122-2(17-18)	BEL-S-SWMU122-6(2-3)	BEL-S-SWMU122-6(10-11)
					Date Sampled	05/24/2013	11/29/2012	11/29/2012	11/29/2012
					Start Depth - End Depth	5 - 6	17 - 18	2 - 3	10 - 11
					Sample Purpose	DUP	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Native Soil
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0840	<0.0830	<0.0830	<0.0850
Ethyl Methanesulfonate	MG/KG					<0.0840	<0.0830	<0.0830	<0.0850
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.0180 J**	<0.0040	**0.051**	**0.028**
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.0040	<0.0040	<0.0040	**0.0160 J**
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040	<0.0040	<0.0040	<0.0040
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0210	<0.0210	<0.0210	<0.0210
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2100	<0.2100	<0.2100	<0.2100
Hexachloroethane	MG/KG		4.00E-03			<0.0420	<0.0420	<0.0410	<0.0430
Hexachloropropylene	MG/KG					<0.1300	<0.1300	<0.1200	<0.1300
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		<0.0040	<0.0040	**0.022**	**0.0050 J**
Isodrin	MG/KG					<0.0210	<0.0210	<0.0210	<0.0210
Isophorone	MG/KG		5.20E-01			<0.0210	<0.0210	<0.0210	<0.0210
Isosafrole	MG/KG					<0.0840	<0.0830	<0.0830	<0.0850
Methapyrilene	MG/KG					<2.1000	<2.1000	<2.1000	<2.1000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0420	<0.0420	<0.0410	<0.0430
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.0150 J**	<0.0040	**0.037**	**0.031**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0840	<0.0830	<0.0830	<0.0850
Nitrobenzene	MG/KG		1.84E-03			<0.0210	<0.0210	<0.0210	<0.0210
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0840	<0.0830	<0.0830	<0.0850
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0210	<0.0210	<0.0210	<0.0210
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0840	<0.0830	<0.0830	<0.0850
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0840	<0.0830	<0.0830	<0.0850
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0210	<0.0210	<0.0210	<0.0210
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0210	<0.0210	<0.0210	<0.0210
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0840	<0.0830	<0.0830	<0.0850
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0210	<0.0210	<0.0210	<0.0210
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0210	<0.0210	<0.0210	<0.0210
O,O,O-Triethylphosphorothioate	MG/KG					<0.0840	<0.0830	<0.0830	<0.0850
O-Toluidine	MG/KG					<0.2500	<0.2500	<0.2500	<0.2600
para-Phenylenediamine	MG/KG		2.00E+01			<15.0000	<15.0000	<14.0000	<15.0000
Pentachlorobenzene	MG/KG		4.80E-01			<0.0210	<0.0210	<0.0210	<0.0210
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0840	<0.0830	<0.0830	<0.0850
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0420	<0.0420	<0.0410	<0.0430
Phenacetin	MG/KG		1.94E-01			<0.0840	<0.0830	<0.0830	<0.0850
Phenanthrene	MG/KG			8.70E-01		**0.033**	**0.0090 J**	**0.061**	**0.068**
Phenol	MG/KG		6.60E+01			<0.0210	<0.0210	<0.0210	<0.0210
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.0130 J**	<0.0040	**0.037**	**0.027**
Pyridine	MG/KG		1.36E-01			<0.0840	<0.0830	<0.0830	<0.0850
Safrole	MG/KG		1.18E-03			<0.0840	<0.0830	<0.0830	<0.0850
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0840	<0.0830	<0.0830	<0.0850
Thionazin	MG/KG					<0.0840	<0.0830	<0.0830	<0.0850
Dimethoate	MG/KG		1.80E-02			<0.2100	<0.2100 UL	<0.2100 UL	<0.2100 UL

Summary of Analytical Results - SWMUs 121, 122, and 150 - Comparison to SSLs
Comprehensive RCRA Facility Investigation Report
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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU122-1	SWMU122-2	SWMU122-6	SWMU122-6
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	P4S-0513-SWMU-122-1-5-6-D	28603284	28603286	28603287
					Sample Name		BEL-S-SWMU122-2(17-18)	BEL-S-SWMU122-6(2-3)	BEL-S-SWMU122-6(10-11)
					Date Sampled	05/24/2013	11/29/2012	11/29/2012	11/29/2012
					Start Depth - End Depth	5 - 6	17 - 18	2 - 3	10 - 11
					Sample Purpose	DUP	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Native Soil
Pronamide	MG/KG		2.40E+01			<0.0420	<0.0420	<0.0410	<0.0430
Inorganics									
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00			<0.202	**0.173 J**	**0.148 J**
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01			**9.6**	**8.82**	**8.2**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02			**122**	**170**	**186**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00			**1.07**	**1.16**	**1.27**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00			<0.0810	<0.0394	<0.0421
Chromium	MG/KG	3.60E+06		4.40E+01			**22.0 K**	**21.9 K**	**23.0 K**
Cobalt	MG/KG		5.40E+00	2.23E+01			**9.31**	**9.87**	**12.1**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01			**17.1**	**16.9**	**19.1**
Lead	MG/KG	2.80E+02		1.06E+02			**15.9**	**29.1**	**26.3**
Mercury	MG/KG	2.00E+00		4.14E+00			**0.0279 J**	**0.0851 J**	**0.0409 J**
Nickel	MG/KG		5.20E+02	2.59E+01			**20.8**	**20.3**	**23.6**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00			**0.440 J**	**0.682**	**0.426 J**
Silver	MG/KG		1.60E+01				<0.172	<0.167	<0.179
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01			**0.230 J**	**0.195**	**0.25**
Tin	MG/KG		6.00E+04				**2.58 B**	**2.71 B**	**2.87 B**
Vanadium	MG/KG		1.72E+03	6.74E+01			**33.4**	**30.9**	**31.1**
Zinc	MG/KG		7.40E+03	1.33E+02			**65.6**	**79.7**	**77.3**
Miscellaneous									
Total Organic Carbon	MG/KG					**3950**			
Ammonia	MG/KG					**81.1000 J**			
Percent Moisture	%					**21.0 J**	**20.1**	**19.5**	**21.7**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Summary of Groundwater Analytical Results - SWMUs 151, 153, 155, and 158
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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	158-3SO	158-5SO	158-6SO	SWMU153-1	SWMU153-2	SWMU158-1	SWMU158-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-158-3SO	P41014-158-5SO	P41014-158-6SO	GW1113-SWMU153-1	GW1113-SWMU153-2	GW1113-SWMU158-1	GW1113-SWMU158-2
					Sample Name							
					Date Sampled	11/07/2014	11/07/2014	11/07/2014	12/05/2013	12/05/2013	12/05/2013	12/05/2013
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	N	UG/L		5.70E-01		<0.5	<0.5	<0.5	<1	<1	<1	<5
1,1,1-Trichloroethane	N	UG/L	2.00E+02	8.00E+02		<0.5	<0.5	<0.5	<0.8	<0.8	<0.8	<4
1,1,2,2-Tetrachloroethane	N	UG/L		7.60E-02		<0.5	<0.5	<0.5	<1	<1	<1	<5
1,1,2-Trichloroethane	N	UG/L	5.00E+00	4.10E-02		<0.5	<0.5	<0.5	<0.8	<0.8	<0.8	<4
1,1-Dichloroethane	N	UG/L		2.70E+00		<0.5	<0.5	<0.5	<1	<1	<1	<5
1,1-Dichloroethene	N	UG/L	7.00E+00	2.80E+01		<0.5	<0.5	<0.5	<0.8	<0.8	<0.8	<4
1,2,3-Trichloropropane	N	UG/L		7.50E-04		<1	<1	<1	<1	<1	<1	<5
1,2-Dibromo-3-Chloropropane	N	UG/L	2.00E-01	3.30E-04		<2	<2	<2	<2	<2	<2	<10
1,2-Dibromoethane (EDB)	N	UG/L	5.00E-02	7.50E-03		<0.5	<0.5	<0.5	<1	<1	<1	<5
1,2-Dichlorobenzene	N	UG/L	6.00E+02	3.00E+01					<1	<1	<1	<5
1,2-Dichloroethane	N	UG/L	5.00E+00	1.70E-01		<0.5	<0.5	<0.5	<1	<1	<1	<5
1,2-Dichloropropane	N	UG/L	5.00E+00	4.40E-01		<0.5	<0.5	<0.5	<1	<1	<1	<5
1,3-Dichlorobenzene	N	UG/L							<1	<1	<1	<5
1,4-Dichlorobenzene	N	UG/L	7.50E+01	4.80E-01					<1	<1	<1	<5
2-Hexanone	N	UG/L		3.80E+00		<3	<3	<3	<3	<3	<3	<15
Acetone	N	UG/L		1.40E+03		<6	<6	**7 J**	<6	<6	<6	<30
Acetonitrile	N	UG/L		1.30E+01		<25	<25	<25	<25	<25	<25	<130
Acrolein	N	UG/L		4.20E-03		<40	<40	<40	<40	<40	<40	<200
Acrylonitrile	N	UG/L		5.20E-02		<4	<4	<4	<4	<4	<4	<20
Allyl Chloride	N	UG/L		2.10E-01		<1	<1	<1	<1	<1	<1	<5
Benzene	N	UG/L	5.00E+00	4.50E-01		<0.5	<0.5	<0.5	<0.5	<0.5	**7**	**1200**
Bromodichloromethane	N	UG/L		1.30E-01		<0.5	<0.5	<0.5	<1	<1	<1	<5
Bromoform	N	UG/L		3.30E+00		<0.5	<0.5	<0.5	<1	<1	<1	<5
Carbon Disulfide	N	UG/L		8.10E+01		<1	<1	<1	**3 J**	**1 J**	<1	<5
Carbon Tetrachloride	N	UG/L	5.00E+00	4.50E-01		<0.5	<0.5	<0.5	<1	<1	<1	<5
Chlorobenzene	N	UG/L	1.00E+02	7.80E+00		<0.5	<0.5	<0.5	<0.8	<0.8	<0.8	<4
Chlorodibromomethane	N	UG/L		1.70E-01		<0.5	<0.5	<0.5	<1	<1	<1	<5
Chloroform	N	UG/L		2.20E-01		<0.5	<0.5	<0.5	<0.8	<0.8	<0.8	<4
Chloroprene	N	UG/L		1.90E-02		<1	<1	<1	<1	<1	<1	<5
cis-1,2 Dichloroethene	N	UG/L	7.00E+01	3.60E+00		<0.5	<0.5	<0.5	<0.8	<0.8	<0.8	<4
cis-1,3-Dichloropropene	N	UG/L				<0.5	<0.5	<0.5	<1	<1	<1	<5
Dichlorodifluoromethane	N	UG/L		2.00E+01		<0.5	<0.5	<0.5	<2	<2	<2	<10
Ethyl Chloride	N	UG/L		2.10E+03		<0.5	<0.5	<0.5	<1	<1	<1	<5
Ethyl Methacrylate	N	UG/L		4.60E+01		<1	<1	<1	<1	<1	<1	<5
Ethylbenzene	N	UG/L	7.00E+02	1.50E+00		<0.5	<0.5	<0.5	<0.8	<0.8	**1 J**	**130**
Formaldehyde	N	UG/L		4.30E-01					<30	**850**	<30	**45 J**
Formaldehyde	Y	UG/L		4.30E-01		**50 B**		**32 J**				
Iodomethane	N	UG/L				<0.5	<0.5	<0.5	<1	<1	<1	<5
Isobutyl Alcohol	N	UG/L		5.90E+02		<100	<100	<100	<100	<100	<100	<500
Methacrylonitrile	N	UG/L		1.90E-01		<10	<10	<10	<10	<10	<10	<50
Methyl Bromide	N	UG/L		7.50E-01		<0.5	<0.5	<0.5	<1	<1	<1	<5
Methyl Chloride	N	UG/L		1.90E+01		<0.5	<0.5	<0.5	<1	<1	<1	<5
Methyl Ethyl Ketone	N	UG/L		5.60E+02		<3	<3	<3	<3	<3	<3	<15
Methyl Isobutyl Ketone	N	UG/L		1.20E+02		<3	<3	<3	<3	<3	<3	<15
Methyl Methacrylate	N	UG/L		1.40E+02		<1	<1	<1	<1	<1	<1	<5

Summary of Groundwater Analytical Results - SWMUs 151, 153, 155, and 158
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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	158-3SO	158-5SO	158-6SO	SWMU153-1	SWMU153-2	SWMU158-1	SWMU158-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-158-3SO	P41014-158-5SO	P41014-158-6SO	GW1113-SWMU153-1	GW1113-SWMU153-2	GW1113-SWMU158-1	GW1113-SWMU158-2
					Sample Name							
					Date Sampled	11/07/2014	11/07/2014	11/07/2014	12/05/2013	12/05/2013	12/05/2013	12/05/2013
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Methylene Bromide	N	UG/L		8.00E-01		<0.5	<0.5	<0.5	<1	<1	<1	<5
Methylene Chloride	N	UG/L	5.00E+00	1.10E+01		<2	<2	<2	<2	<2	<2	<10
Pentachloroethane	N	UG/L		6.40E-01		<1	<1	<1	<1	<1	<1	<5
Propionitrile	N	UG/L				<30	<30	<30	<30	<30	<30	<150
Styrene	N	UG/L	1.00E+02	1.20E+02		<1	<1	<1	<1	<1	<1	**35**
Tetrachloroethene	N	UG/L	5.00E+00	4.10E+00		<0.5	<0.5	<0.5	<0.8	<0.8	<0.8	<4
Toluene	N	UG/L	1.00E+03	1.10E+02		<0.5	**77**	**3**	<0.7	<0.7	**1 J**	**95**
trans-1,2-Dichloroethene	N	UG/L	1.00E+02	3.60E+01		<0.5	<0.5	<0.5	<0.8	<0.8	<0.8	<4
trans-1,3-Dichloropropene	N	UG/L				<0.5	<0.5	<0.5	<1	<1	<1	<5
trans-1,4-Dichlorobutene-2	N	UG/L		1.30E-03		<15	<15	<15	<15	<15	<15	<75
Trichloroethene	N	UG/L	5.00E+00	2.80E-01		<0.5	<0.5	<0.5	<1	<1	<1	<5
Trichlorofluoromethane	N	UG/L		1.10E+02		<0.5	<0.5	<0.5	<2	<2	<2	<10
Vinyl Acetate	N	UG/L		4.10E+01		<2	<2	<2	<2	<2	<2	<10
Vinyl Chloride	N	UG/L	2.00E+00	1.90E-02		<0.5	<0.5	<0.5	<1	<1	<1	<5
Xylenes	N	UG/L	1.00E+04	1.90E+01		<0.5	<0.5	<0.5	<0.8	<0.8	**5**	**540**
Semi-Volatile Organic Compounds												
1,2,4,5-Tetrachlorobenzene	N	UG/L		1.70E-01					<3	<3	<3	<3
1,2,4-Trichlorobenzene	N	UG/L	7.00E+01	4.00E-01					<3	<3	<3	<3
1,3,5-Trinitrobenzene	N	UG/L		5.90E+01					<25 UJ	<25 UJ	<25 UJ	<26 UJ
1,3-Dinitrobenzene	N	UG/L		2.00E-01					<10	<10	<10	<10
1,4-Dioxane	N	UG/L		4.60E-01		<1 UJ	**2 J**	**3 J**	**12 J**	<5	<5	<5
1,4-Dioxane	Y	UG/L		4.60E-01		**4 J**		<1				
1,4-Naphthoquinone	N	UG/L							<50 R	<50 R	<50 R	<51 R
1-Naphthylamine	N	UG/L							<25	<25	<25	<26
2,3,4,6-Tetrachlorophenol	N	UG/L		2.40E+01					<3	<3	<3	<3
2,4,5-Trichlorophenol	N	UG/L		1.20E+02					<3	<3	<3	<3
2,4,6-Trichlorophenol	N	UG/L		1.20E+00					<3	<3	<3	<3
2,4-Dichlorophenol	N	UG/L		4.60E+00					<3	<3	<3	<3
2,4-Dimethylphenol	N	UG/L		3.60E+01					<3	<3	<3	**12**
2,4-Dinitrophenol	N	UG/L		3.90E+00					<50	<50	<50	<51
2,4-Dinitrotoluene	N	UG/L		2.40E-01					<5	<5	<5	<5
2,6-Dichlorophenol	N	UG/L							<3	<3	<3	<3
2,6-Dinitrotoluene	N	UG/L		4.80E-02					<3	<3	<3	<3
2-Acetylaminofluorene	N	UG/L		1.60E-02					<10	<10	<10	<10
2-Chloronaphthalene	N	UG/L		7.50E+01					<2	<2	<2	<2
2-Chlorophenol	N	UG/L		9.10E+00					<3	<3	<3	<3
2-Methylnaphthalene	N	UG/L		3.60E+00					**0.9 J**	<0.5	**3**	**250**
2-Methylphenol (O-Cresol)	N	UG/L		9.30E+01					<3	<3	<3	<3
2-Naphthylamine	N	UG/L		3.90E-02					<25	<25	<25	<26
2-Nitroaniline	N	UG/L		1.90E+01					<3	<3	<3	<3
2-Nitrophenol	N	UG/L							<3	<3	<3	<3
2-Picoline	N	UG/L							<10	<10	<10	<10
3,3'-Dichlorobenzidine	N	UG/L		1.20E-01					<10	<10	<10	<10
3,3'-Dimethylbenzidine	N	UG/L		6.50E-03					<130	<130	<130	<130
3-Methylcholanthrene	N	UG/L		1.10E-03					<3	<3	<3	<3
3-Nitroaniline	N	UG/L							<3	<3	<3	<3

Summary of Groundwater Analytical Results - SWMUs 151, 153, 155, and 158
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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	158-3SO	158-5SO	158-6SO	SWMU153-1	SWMU153-2	SWMU158-1	SWMU158-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-158-3SO	P41014-158-5SO	P41014-158-6SO	GW1113-SWMU153-1	GW1113-SWMU153-2	GW1113-SWMU158-1	GW1113-SWMU158-2
					Sample Name							
					Date Sampled	11/07/2014	11/07/2014	11/07/2014	12/05/2013	12/05/2013	12/05/2013	12/05/2013
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
4,6-Dinitro-2-Methylphenol	N	UG/L		1.50E-01					<25	<25	<25	<26
4-Aminobiphenyl	N	UG/L		3.00E-03					<3	<3	<3	<3
4-Bromophenyl Phenyl Ether	N	UG/L							<3	<3	<3	<3
4-Chloro-3-Methylphenol	N	UG/L		1.40E+02					<3	<3	<3	<3
4-Chloroaniline	N	UG/L		3.60E-01					<3	<3	<3	<3
4-Chlorophenyl Phenyl Ether	N	UG/L							<3	<3	<3	<3
4-Dimethylaminoazobenzene	N	UG/L		4.90E-03					<3	<3	<3	<3
4-Methylphenol (P-Cresol)	N	UG/L		1.90E+02					<3	<3	<3	**5**
4-Nitroaniline	N	UG/L		3.80E+00					<3	<3	<3	<3
4-Nitrophenol	N	UG/L							<50	<50	<50	<51
4-Nitroquinoline-N-Oxide	N	UG/L							<100	<100	<100	<100
5-Nitro-Ortho-Toluidine	N	UG/L		8.10E+00					<3	<3	<3	<3
7,12-Dimethylbenz[A]Anthracene	N	UG/L		1.00E-04					<3	<3	<3	<3
Acenaphthene	N	UG/L		5.30E+01					<0.5	<0.5	<0.5	**27**
Acenaphthylene	N	UG/L		5.30E+01					<0.5	<0.5	**0.9 J**	**49**
Acetophenone	N	UG/L		1.90E+02					<3	<3	<3	<3
Aniline	N	UG/L		1.30E+01					<3	<3	<3	<3
Anthracene	N	UG/L		1.80E+02					<0.5	<0.5	**0.7 J**	<0.5
Benzo(A)Anthracene	N	UG/L		1.20E-02					<0.5	<0.5	**3**	<0.5
Benzo(B)Fluoranthene	N	UG/L		3.40E-02					**0.7 J**	<0.5	**4**	<0.5
Benzo(G,H,I)Perylene	N	UG/L		1.20E+01					<0.5	<0.5	**3**	<0.5
Benzo(K)Fluoranthene	N	UG/L		3.40E-01					<0.5	<0.5	**2 J**	<0.5
Benzo[A]Pyrene	N	UG/L	2.00E-01	3.40E-03					<0.5	<0.5	**3**	<0.5
Benzyl Alcohol	N	UG/L		2.00E+02					<25	<25	<25	<26
Bis(2-Chloroethoxy)Methane	N	UG/L		5.90E+00					<3	<3	<3	<3
Bis(2-Chloroethyl)Ether	N	UG/L		1.40E-02					<3	<3	<3	<3
Bis(2-Chloroisopropyl)Ether	N	UG/L							<3	<3	<3	<3
Bis(2-Ethylhexyl)Phthalate	N	UG/L	6.00E+00	5.60E+00					<10	<10	<10	<10
Butyl Benzyl Phthalate	N	UG/L		1.60E+01					<10	<10	<10	<10
Chlorobenzilate	N	UG/L		3.10E-01					<15	<15	<15	<15
Chrysene	N	UG/L		3.40E+00					**0.7 J**	<0.5	**3**	<0.5
Diallate	N	UG/L		5.20E-01					<5	<5	<5	<5
Dibenz(A,H)Anthracene	N	UG/L		3.40E-03					<0.5	<0.5	<0.5	<0.5
Dibenzofuran	N	UG/L		7.90E-01					<3	<3	<3	**3 J**
Diethyl Phthalate	N	UG/L		1.50E+03					<10	<10	<10	<10
Dimethyl Phthalate	N	UG/L							<10	<10	<10	<10
Di-N-Butyl Phthalate	N	UG/L		9.00E+01					<10	<10	<10	<10
Ethyl Methanesulfonate	N	UG/L							<3	<3	<3	<3
Fluoranthene	N	UG/L		8.00E+01					<0.5	<0.5	**6**	<0.5
Fluorene	N	UG/L		2.90E+01					<0.5	<0.5	<0.5	**6**
Hexachlorobenzene	N	UG/L	1.00E+00	9.80E-03					<0.5	<0.5	<0.5	<0.5
Hexachlorobutadiene	N	UG/L		1.40E-01					<3	<3	<3	<3
Hexachlorocyclopentadiene	N	UG/L	5.00E+01	4.10E-02					<25	<25	<25	<26
Hexachloroethane	N	UG/L		3.30E-01					<5	<5	<5	<5
Hexachloropropylene	N	UG/L							<10	<10	<10	<10
Indeno (1,2,3-CD) Pyrene	N	UG/L		3.40E-02					<0.5	<0.5	**2 J**	<0.5

Summary of Groundwater Analytical Results - SWMUs 151, 153, 155, and 158
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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	158-3SO	158-5SO	158-6SO	SWMU153-1	SWMU153-2	SWMU158-1	SWMU158-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-158-3SO	P41014-158-5SO	P41014-158-6SO	GW1113-SWMU153-1	GW1113-SWMU153-2	GW1113-SWMU158-1	GW1113-SWMU158-2
					Sample Name							
					Date Sampled	11/07/2014	11/07/2014	11/07/2014	12/05/2013	12/05/2013	12/05/2013	12/05/2013
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Isodrin	N	UG/L							<3	<3	<3	<3
Isophorone	N	UG/L		7.80E+01					<3	<3	<3	<3
Isosafrole	N	UG/L							<10	<10	<10	<10
Methapyrilene	N	UG/L							<75	<75	<75	<77
Methyl Methanesulfonate	N	UG/L		7.90E-01					<5	<5	<5	<5
Naphthalene	N	UG/L		1.70E-01					**1 B**	<0.5	**19**	**5200**
Naphthalene	Y	UG/L		1.70E-01		<0.1	<0.1	**0.2 J**				
N-Dioctyl Phthalate	N	UG/L		2.00E+01					<10	<10	<10	<10
Nitrobenzene	N	UG/L		1.40E-01					<3	<3	<3	<3
N-Nitroso(Methyl)Ethylamine	N	UG/L		7.10E-04					<10	<10	<10	<10
N-Nitrosodiethylamine	N	UG/L		1.70E-04					<3	<3	<3	<3
N-Nitrosodimethylamine	N	UG/L		1.10E-04					<10	<10	<10	<10
N-Nitroso-Di-N-Butylamine	N	UG/L		2.70E-03					<10	<10	<10	<10
N-Nitrosodi-N-Propylamine	N	UG/L		1.10E-02					<3	<3	<3	<3
N-Nitrosodiphenylamine	N	UG/L		1.20E+01					<3	<3	<3	<3
N-Nitrosomorpholine	N	UG/L		1.20E-02					<10	<10	<10	<10
N-Nitrosopiperidine	N	UG/L		8.20E-03					<3	<3	<3	<3
N-Nitrosopyrrolidine	N	UG/L		3.70E-02					<3	<3	<3	<3
O,O,O-Triethylphosphorothioate	N	UG/L							<10	<10	<10	<10
O-Toluidine	N	UG/L							<3	<3	<3	<3
para-Phenylenediamine	N	UG/L		3.80E+02					<380	<380	<380	<390
Pentachlorobenzene	N	UG/L		3.20E-01					<3	<3	<3	<3
Pentachloronitrobenzene	N	UG/L		1.20E-01					<10	<10	<10	<10
Pentachlorophenol	N	UG/L	1.00E+00	4.00E-02					<5	<5	<5	<5
Phenacetin	N	UG/L		3.40E+01					<3	<3	<3	<3
Phenanthrene	N	UG/L		1.80E+02					**1 J**	<0.5	**5**	<0.5

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Analyte	Filtered	Units	Screening Criteria (1)		Location ID	158-3SO	158-5SO	158-6SO	SWMU153-1	SWMU153-2	SWMU158-1	SWMU158-2
			Federal MCL	EPA SL Tap Water	Field Sample ID	P41014-158-3SO	P41014-158-5SO	P41014-158-6SO	GW1113-SWMU153-1	GW1113-SWMU153-2	GW1113-SWMU158-1	GW1113-SWMU158-2
					Sample Name							
					Date Sampled	11/07/2014	11/07/2014	11/07/2014	12/05/2013	12/05/2013	12/05/2013	12/05/2013
					Sample Purpose	FS	FS	FS	FS	FS	FS	FS
Phenol	N	UG/L		5.80E+02					<3	<3	<3	**10**
Pyrene	N	UG/L		1.20E+01					**0.7 J**	<0.5	**6**	<0.5
Pyridine	N	UG/L		2.00E+00					<10	<10	<10	<10
Safrole	N	UG/L		9.50E-02					<10	<10	<10	<10
Tetraethyl Dithiopyrophosphate	N	UG/L		7.10E-01					<5	<5	<5	<5
Thionazin	N	UG/L							<10 UJ	<10 UJ	<10 UJ	<10 UJ
Dimethoate	N	UG/L		4.00E-01					<15	<15	<15	<15
Pronamide	N	UG/L		1.20E+02					<3	<3	<3	<3
Inorganics												
Antimony	N	UG/L	6.00E+00	7.80E-01					**0.68 J**	<0.34	**0.72 J**	<0.34
Arsenic	N	UG/L	1.00E+01	5.20E-02					**531**	**354**	**729**	**39.1**
Barium	N	UG/L	2.00E+03	3.80E+02					**18900**	**12900**	**11000**	**867**
Beryllium	N	UG/L	4.00E+00	2.50E+00					**211**	**93**	**171**	**4.4 J**
Cadmium	N	UG/L	5.00E+00	9.20E-01					**34.1 J**	**4.4 J**	**42.2 J**	<0.76
Chromium	N	UG/L	1.00E+02	2.20E+03					**5440**	**2670**	**3660**	**127**
Cobalt	N	UG/L		6.00E-01					**2080**	**1800**	**2710**	**59.3**
Copper	N	UG/L	1.30E+03	8.00E+01					**5960**	**2220**	**6200**	**110**
Lead	N	UG/L	1.50E+01	1.50E+01					**4920**	**1980**	**4100**	**73.4**
Mercury	N	UG/L	2.00E+00	6.30E-02					**17.4**	**4.3**	**77.9**	**0.36**
Nickel	N	UG/L		3.90E+01					**4380**	**3440**	**4290**	**97.2**
Selenium	N	UG/L	5.00E+01	1.00E+01					**21.5**	**22.9**	**58.8**	**3.8**
Silver	N	UG/L		9.40E+00					<10.5	<2.1	**11.7 J**	<2.1
Thallium	N	UG/L	2.00E+00	2.00E-02					**12.7**	**6.7**	**8.4**	**0.58**
Tin	N	UG/L		1.20E+03					**122**	**106**	**106**	**10. J**
Vanadium	N	UG/L		8.60E+00					**3220**	**2300**	**3500**	**143**
Zinc	N	UG/L		6.00E+02					**22900**	**11700**	**22900**	**315**

Footnotes:
1) Criteria = EPA Regional Screening Level for tap Water (Tap Water) (based on excess cancer risk of 1x10-6 and HQ = 0.1)

Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for elemental mercury
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene
Endosulfan I, Endosulfan II, Endosulfan Sulfate - Endosulfan
Endrin Aldehyde - Endrin

Notes:
Bold = Detected Concentration
Pink highlighted cell = concentration above the EPA Tap Water SL.
Blue highlighted cell = concentration above the MCL.
Gray Shaded Cells = Reporting Limit above Comparison Criteria
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
UL-Not detected; reporting limit is expected to be higher
B-Not detected substantially above the level reported in the laboratory or field blanks

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU151-1	SWMU151-1	SWMU151-1	SWMU155-1
					Field Sample ID	28625489	28625490	28625491	28620853
					Sample Name	BEL-S-SWMU151-1(0.5-1)	BEL-S-SWMU151-1(9-10)	BEL-S-SWMU151-1(21-22)	BEL-S-SWMU155-1(0.5-1)
					Date Sampled	12/03/2012	12/03/2012	12/03/2012	12/03/2012
					Start Depth - End Depth	0.5 - 1	9 - 10	21 - 22	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Native Soil	Fill
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			**0.0020 J**	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020	<0.0020	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0010	<0.0010	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01			<0.0030	<0.0030	<0.0030	<0.0030
Acetone	MG/KG		5.80E+01			**0.034**	<0.0070	**0.0160 J**	**0.12**
Acetonitrile	MG/KG		5.20E-01			<0.0270	<0.0250	<0.0270	<0.0260
Acrolein	MG/KG		1.68E-04			<0.0220	<0.0200	<0.0210	<0.0200
Acrylonitrile	MG/KG		2.20E-04			<0.0040	<0.0040	<0.0040	<0.0040
Allyl Chloride	MG/KG		4.60E-03			<0.0010	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			**0.0010 J**	<0.00050	**0.00070 J**	**0.0030 J**
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			**0.025**	**0.0010 J**	**0.021**	**0.0020 J**
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0010	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			**0.0020 J**	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Chloride	MG/KG		1.18E+02			<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0010	<0.0010	<0.0010	<0.0010
Iodomethane	MG/KG					<0.0030	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1100	<0.0980	<0.1100	<0.1000
Methacrylonitrile	MG/KG		8.60E-03			<0.0050	<0.0050	<0.0050	<0.0050
Methyl Bromide	MG/KG		3.80E-02			<0.0020	<0.0020	<0.0020	<0.0020
Methyl Chloride	MG/KG		9.80E-01			<0.0020	<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	MG/KG		2.40E+01			**0.0050 J**	<0.0040	<0.0040	**0.0080 J**

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU151-1	SWMU151-1	SWMU151-1	SWMU155-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28625489	28625490	28625491	28620853
					Sample Name	BEL-S-SWMU151-1(0.5-1)	BEL-S-SWMU151-1(9-10)	BEL-S-SWMU151-1(21-22)	BEL-S-SWMU155-1(0.5-1)
					Date Sampled	12/03/2012	12/03/2012	12/03/2012	12/03/2012
					Start Depth - End Depth	0.5 - 1	9 - 10	21 - 22	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010	<0.0010	<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020	<0.0020	<0.0020	<0.0020
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0330	<0.0290	<0.0320	<0.0310
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			<0.0010	<0.0010	<0.0010	**0.0030 J**
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0110	<0.0100	<0.0110	<0.0100
Trichloroethene	MG/KG	3.60E-02	3.60E-03			**0.024**	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.0010	<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds									
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0180	<0.0200	<0.0210	<0.0980
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0180	<0.0200	<0.0210	<0.0980
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.1800	<0.2000	<0.2100	<0.9800
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0700	<0.0810	<0.0850	<0.3900
1,4-Dioxane	MG/KG		1.88E-03			<0.1100	<0.1200	<0.1300	<0.5900
1,4-Naphthoquinone	MG/KG					<0.8800	<1.0000	<1.1000	<4.9000
1-Naphthylamine	MG/KG					<0.1800	<0.2000	<0.2100	<0.9800
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0700	<0.0810	<0.0850	<0.3900
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0180	<0.0200	<0.0210	<0.0980
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0180	<0.0200	<0.0210	<0.0980
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0180	<0.0200	<0.0210	<0.0980
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0180	<0.0200	<0.0210	<0.0980
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3200 UL	<0.3700 UL	<0.3800 UL	<1.8000
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0700	<0.0810	<0.0850	<0.3900
2,6-Dichlorophenol	MG/KG					<0.0180	<0.0200	<0.0210	<0.0980
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0180	<0.0200	<0.0210	<0.0980
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0700	<0.0810	<0.0850	<0.3900
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0070	<0.0090	<0.0090	<0.0410
2-Chlorophenol	MG/KG		1.48E+00			<0.0180	<0.0200	<0.0210	<0.0980
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.052**	**0.036**	**0.0150 J**	**0.57**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0180	<0.0200	<0.0210	<0.0980
2-Naphthylamine	MG/KG		4.00E-03			<0.1800	<0.2000	<0.2100	<0.9800
2-Nitroaniline	MG/KG		1.60E+00			<0.0180	<0.0200	<0.0210	<0.0980
2-Nitrophenol	MG/KG					<0.0180	<0.0200	<0.0210	<0.0980

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU151-1	SWMU151-1	SWMU151-1	SWMU155-1
					Field Sample ID	28625489	28625490	28625491	28620853
					Sample Name	BEL-S-SWMU151-1(0.5-1)	BEL-S-SWMU151-1(9-10)	BEL-S-SWMU151-1(21-22)	BEL-S-SWMU155-1(0.5-1)
					Date Sampled	12/03/2012	12/03/2012	12/03/2012	12/03/2012
					Start Depth - End Depth	0.5 - 1	9 - 10	21 - 22	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Native Soil	Fill
2-Picoline	MG/KG					<0.1100	<0.1200	<0.1300	<0.5900
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1100	<0.1200	<0.1300	<0.5900
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.5300	<0.6100	<0.6400	<2.9000
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0180	<0.0200	<0.0210	<0.0980
3-Nitroaniline	MG/KG					<0.0700	<0.0810	<0.0850	<0.3900
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.1800	<0.2000	<0.2100	<0.9800
4-Aminobiphenyl	MG/KG		3.00E-04			<0.1800	<0.2000	<0.2100	<0.9800
4-Bromophenyl Phenyl Ether	MG/KG					<0.0180	<0.0200	<0.0210	<0.0980
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0180	<0.0200	<0.0210	<0.0980
4-Chloroaniline	MG/KG		3.20E-03			<0.0180	<0.0200	<0.0210	<0.0980
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0180	<0.0200	<0.0210	<0.0980
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0700	<0.0810	<0.0850	<0.3900
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0180	<0.0200	<0.0210	<0.0980
4-Nitroaniline	MG/KG		3.20E-02			<0.0700	<0.0810	<0.0850	<0.3900
4-Nitrophenol	MG/KG					<0.1800	<0.2000	<0.2100	<0.9800
4-Nitroquinoline-N-Oxide	MG/KG					<0.3500	<0.4100	<0.4200	<2.0000
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.1800	<0.2000	<0.2100	<0.9800
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0180	<0.0200	<0.0210	<0.0980
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0040	**0.0130 J**	<0.0040	<0.0200
Acenaphthylene	MG/KG			3.10E-01		**0.038**	**0.0100 J**	**0.0050 J**	**0.0290 J**
Acetophenone	MG/KG		1.16E+01			<0.0180	<0.0200	<0.0210	<0.0980
Aniline	MG/KG		9.20E-02			<0.1800	<0.2000	<0.2100	<0.9800
Anthracene	MG/KG		1.16E+03	4.40E-01		**0.042**	**0.0110 J**	**0.0070 J**	**0.0310 J**
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.18**	**0.0130 J**	**0.0180 J**	**0.12**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.32**	**0.0190 J**	**0.03**	**0.19**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.13**	**0.0110 J**	**0.0140 J**	**0.12**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**0.12**	**0.0100 J**	**0.0080 J**	**0.0690 J**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**0.14**	**0.0120 J**	**0.0140 J**	**0.13**
Benzyl Alcohol	MG/KG		9.60E+00			<0.1800	<0.2000	<0.2100	<0.9800
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0180	<0.0200	<0.0210	<0.0980
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0180	<0.0200	<0.0210	<0.0980
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0180	<0.0200	<0.0210	<0.0980
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0700	<0.0810	<0.0850	<0.3900
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0700	<0.0810	<0.0850	<0.3900
Chlorobenzilate	MG/KG		2.00E-02			<0.0350	<0.0410	<0.0420	<0.2000
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.27**	**0.0170 J**	**0.025**	**0.12**
Diallate	MG/KG		1.56E-02			<0.0350	<0.0410	<0.0420	<0.2000
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		**0.033**	<0.0040	<0.0040	**0.0500 J**
Dibenzofuran	MG/KG		3.00E+00			**0.0280 J**	<0.0200	<0.0210	**0.1700 J**
Diethyl Phthalate	MG/KG		1.22E+02			<0.0700	<0.0810	<0.0850	<0.3900
Dimethyl Phthalate	MG/KG					<0.0700	<0.0810	<0.0850	<0.3900
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0700	<0.0810	<0.0850	<0.3900

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)					
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	SWMU151-1	SWMU151-1	SWMU151-1	SWMU155-1
					Field Sample ID	28625489	28625490	28625491	28620853
					Sample Name	BEL-S-SWMU151-1(0.5-1)	BEL-S-SWMU151-1(9-10)	BEL-S-SWMU151-1(21-22)	BEL-S-SWMU155-1(0.5-1)
					Date Sampled	12/03/2012	12/03/2012	12/03/2012	12/03/2012
					Start Depth - End Depth	0.5 - 1	9 - 10	21 - 22	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill
Ethyl Methanesulfonate	MG/KG					<0.0700	<0.0810	<0.0850	<0.3900
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.44**	**0.041**	**0.045**	**0.2**
Fluorene	MG/KG		1.08E+02	8.50E-02		**0.0060 J**	**0.0120 J**	**0.0050 J**	<0.0200
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040	<0.0040	<0.0040	<0.0200
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0180	<0.0200	<0.0210	<0.0980
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.1800	<0.2000	<0.2100	<0.9800
Hexachloroethane	MG/KG		4.00E-03			<0.0350	<0.0410	<0.0420	<0.2000
Hexachloropropylene	MG/KG					<0.1100	<0.1200	<0.1300	<0.5900
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**0.11**	**0.0100 J**	**0.0090 J**	**0.11**
Isodrin	MG/KG					<0.0180	<0.0200	<0.0210	<0.0980
Isophorone	MG/KG		5.20E-01			<0.0180	<0.0200	<0.0210	<0.0980
Isosafrole	MG/KG					<0.0700	<0.0810	<0.0850	<0.3900
Methapyrilene	MG/KG					<1.8000	<2.0000	<2.1000	<9.8000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0350	<0.0410	<0.0420	<0.2000
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.068**	**0.036**	**0.0200 J**	**0.51**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0700	<0.0810	<0.0850	<0.3900
Nitrobenzene	MG/KG		1.84E-03			<0.0180	<0.0200	<0.0210	<0.0980
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0700	<0.0810	<0.0850	<0.3900
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0180	<0.0200	<0.0210	<0.0980
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0700	<0.0810	<0.0850	<0.3900
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0700	<0.0810	<0.0850	<0.3900
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0180	<0.0200	<0.0210	<0.0980
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0180	<0.0200	<0.0210	<0.0980
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0700	<0.0810	<0.0850	<0.3900
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0180	<0.0200	<0.0210	<0.0980
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0180	<0.0200	<0.0210	<0.0980
O,O,O-Triethylphosphorothioate	MG/KG					<0.0700	<0.0810	<0.0850	<0.3900
O-Toluidine	MG/KG					<0.2100	<0.2400	<0.2500	<1.2000
para-Phenylenediamine	MG/KG		2.00E+01			<12.0000	<14.0000	<15.0000	<69.0000
Pentachlorobenzene	MG/KG		4.80E-01			<0.0180	<0.0200	<0.0210	<0.0980
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0700	<0.0810	<0.0850	<0.3900
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0350	<0.0410	<0.0420	<0.2000
Phenacetin	MG/KG		1.94E-01			<0.0700	<0.0810	<0.0850	<0.3900
Phenanthrene	MG/KG			8.70E-01		**0.25**	**0.04**	**0.037**	**0.3**
Phenol	MG/KG		6.60E+01			<0.0180	<0.0200	<0.0210	<0.0980
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.31**	**0.035**	**0.035**	**0.19**
Pyridine	MG/KG		1.36E-01			<0.0700	<0.0810	<0.0850	<0.3900
Safrole	MG/KG		1.18E-03			<0.0700	<0.0810	<0.0850	<0.3900
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0700	<0.0810	<0.0850	<0.3900
Thionazin	MG/KG					<0.0700	<0.0810	<0.0850	<0.3900
Dimethoate	MG/KG		1.80E-02			<0.1800 UL	<0.2000 UL	<0.2100 UL	<0.9800 UL
Pronamide	MG/KG		2.40E+01			<0.0350	<0.0410	<0.0420	<0.2000

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU151-1	SWMU151-1	SWMU151-1	SWMU155-1
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28625489	28625490	28625491	28620853
					Sample Name	BEL-S-SWMU151-1(0.5-1)	BEL-S-SWMU151-1(9-10)	BEL-S-SWMU151-1(21-22)	BEL-S-SWMU155-1(0.5-1)
					Date Sampled	12/03/2012	12/03/2012	12/03/2012	12/03/2012
					Start Depth - End Depth	0.5 - 1	9 - 10	21 - 22	0.5 - 1
					Sample Purpose	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill
Inorganics	**Inorganics**	**Inorganics**	**Inorganics**	**Inorganics**	**Inorganics**	**Inorganics**	**Inorganics**	**Inorganics**	**Inorganics**
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**2.31**	<0.0789	**0.120 J**	**0.28**
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**20**	**6.28**	**11.8**	**4.71**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**11300**	**235**	**240**	**89**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**7.78**	**1.37**	**1.4**	**1.15**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		**0.286 J**	**0.111 J**	<0.0418	**0.188 J**
Chromium	MG/KG	3.60E+06		4.40E+01		**214 K**	**23.7 K**	**41.3 K**	**25.3 K**
Cobalt	MG/KG		5.40E+00	2.23E+01		**23.5**	**11.1**	**14.8**	**10.8**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**102 K**	**20.7 K**	**30.2 K**	**85.8 K**
Lead	MG/KG	2.80E+02		1.06E+02		**20.5**	**30.7**	**24.2**	**24.6**
Mercury	MG/KG	2.00E+00	6.60E-01	4.14E+00		**2.96**	**0.169**	**0.159**	**0.167**
Nickel	MG/KG		5.20E+02	2.59E+01		**19.3**	**23.9**	**28.1**	**17.5**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.798**	**0.376 J**	**0.392 J**	**0.435 J**
Silver	MG/KG		1.60E+01			**0.791**	<0.169	<0.177	<0.161
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.126**	**0.202**	**0.249**	**0.144**
Tin	MG/KG		6.00E+04			**3.46 B**	**3.15 B**	**3.46 B**	**3.17 B**
Vanadium	MG/KG		1.72E+03	6.74E+01		**25.3**	**30.7**	**37.4**	**16.8**
Zinc	MG/KG		7.40E+03	1.33E+02		**118**	**79.6**	**94.7**	**79.8**
Miscellaneous									
Percent Moisture	%					**6**	**18.8**	**21.8**	**15**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a
dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil
Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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SWMU155-1	SWMU155-1
28620854	28620855
BEL-S-SWMU155-1(12-13)	BEL-S-SWMU155-1(22-23)
12/03/2012	12/03/2012
12 - 13	22 - 23
FS	FS
Native Soil	Native Soil
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0020 UL	<0.0020
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0030	<0.0030
<0.0070	<0.0070
<0.0260	<0.0260
<0.0210	<0.0210
<0.0260	<0.0260
<0.0210	<0.0210
<0.0040	<0.0040
<0.0010	<0.0010
<0.00050	<0.00050
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0020	<0.0020
<0.0020	<0.0020
<0.0010	<0.0010
<0.0010	<0.0010
<0.0030	<0.0030
<0.1000	<0.1000
<0.0050	<0.0050
<0.0020	<0.0020
<0.0020	<0.0020
<0.0040	<0.0040

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SWMU155-1	SWMU155-1
28620854	28620855
BEL-S-SWMU155-1(12-13)	BEL-S-SWMU155-1(22-23)
12/03/2012	12/03/2012
12 - 13	22 - 23
FS	FS
Native Soil	Native Soil
<0.0030	<0.0030
<0.0010	<0.0010
<0.0010	<0.0010
<0.0020	<0.0020
<0.0010	<0.0010
<0.0310	<0.0310
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0010	<0.0010
<0.0100	<0.0100
<0.0010	<0.0010
<0.0020	<0.0020
<0.0020	<0.0020
<0.0010	<0.0010
<0.0010	<0.0010
<0.0210	<0.0210
<0.0210	<0.0210
<0.2100	<0.2100
<0.0840	<0.0820
<0.1300	<0.1200
<1.1000	<1.0000
<0.2100	<0.2100
<0.0840	<0.0820
<0.0210	<0.0210
<0.0210	<0.0210
<0.0210	<0.0210
<0.0210	<0.0210
<0.3800	<0.3700
<0.0840	<0.0820
<0.0210	<0.0210
<0.0210	<0.0210
<0.0840	<0.0820
<0.0090	<0.0090
<0.0210	<0.0210
<0.0040	**0.0050 J**
<0.0210	<0.0210
<0.2100	<0.2100
<0.0210	<0.0210
<0.0210	<0.0210

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SWMU155-1	SWMU155-1
28620854	28620855
BEL-S-SWMU155-1(12-13)	BEL-S-SWMU155-1(22-23)
12/03/2012	12/03/2012
12 - 13	22 - 23
FS	FS
Native Soil	Native Soil
<0.1300	<0.1200
<0.1300	<0.1200
<0.6300	<0.6200
<0.0210	<0.0210
<0.0840	<0.0820
<0.2100	<0.2100
<0.2100	<0.2100
<0.0210	<0.0210
<0.0210	<0.0210
<0.0210	<0.0210
<0.0210	<0.0210
<0.0840	<0.0820
<0.0210	<0.0210
<0.0840	<0.0820
<0.2100	<0.2100
<0.4200	<0.4100
<0.2100	<0.2100
<0.0210	<0.0210
<0.0040	<0.0040
<0.0210	<0.0210
<0.0040	<0.0040
<0.0040	<0.0040
<0.0210	<0.0210
<0.2100	<0.2100
<0.0040	<0.0040
<0.0040	<0.0040
<0.0040	**0.0120 J**
<0.0040	<0.0040
<0.0040	<0.0040
<0.0040	<0.0040
<0.2100	<0.2100
<0.0210	<0.0210
<0.0210	<0.0210
<0.0210	<0.0210
<0.0840	<0.0820
<0.0840	<0.0820
<0.0420	<0.0410
<0.0040	**0.0070 J**
<0.0420	<0.0410
<0.0040	<0.0040
<0.0210	<0.0210
<0.0840	<0.0820
<0.0840	<0.0820
<0.0840	<0.0820

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SWMU155-1	SWMU155-1
28620854	28620855
BEL-S-SWMU155-1(12-13)	BEL-S-SWMU155-1(22-23)
12/03/2012	12/03/2012
12 - 13	22 - 23
FS	FS
Native Soil	Native Soil
<0.0840	<0.0820
<0.0040	<0.0040
<0.0040	<0.0040
<0.0040	<0.0040
<0.0210	<0.0210
<0.2100	<0.2100
<0.0420	<0.0410
<0.1300	<0.1200
<0.0040	<0.0040
<0.0210	<0.0210
<0.0210	<0.0210
<0.0840	<0.0820
<2.1000	<2.1000
<0.0420	<0.0410
<0.0040	<0.0040
<0.0840	<0.0820
<0.0210	<0.0210
<0.0840	<0.0820
<0.0210	<0.0210
<0.0840	<0.0820
<0.0840	<0.0820
<0.0210	<0.0210
<0.0210	<0.0210
<0.0840	<0.0820
<0.0210	<0.0210
<0.0210	<0.0210
<0.0840	<0.0820
<0.2500	<0.2500
<15.0000	<14.0000
<0.0210	<0.0210
<0.0840	<0.0820
<0.0420	<0.0410
<0.0840	<0.0820
<0.0040	**0.0100 J**
<0.0210	<0.0210
<0.0040	<0.0040
<0.0840	<0.0820
<0.0840	<0.0820
<0.0840	<0.0820
<0.0840	<0.0820
<0.2100 UL	<0.2100 UL
<0.0420	<0.0410

Summary of Analytical Results - SWMUs 151, 53, 155, and 158 - Comparison to SSLs
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Chemours Belle Plant Area
Belle, West Virginia

SWMU155-1	SWMU155-1
28620854	28620855
BEL-S-SWMU155-1(12-13)	BEL-S-SWMU155-1(22-23)
12/03/2012	12/03/2012
12 - 13	22 - 23
FS	FS
Native Soil	Native Soil
Inorganics	Inorganics
<0.0801	<0.0784
4.18	4.7
126	134
2.04	1.28
<0.0408	0.0452 J
34.2 K	25.6 K
11	15.2
17.8 K	20.9 K
16.1	14.6
0.0410 J	0.0341 J
29.1	27.3
0.626	0.445 J
<0.173	<0.166
0.336	0.227
3.40 B	2.84 B
45.3	32.5
102	89.6
20.8	19.1

Summary of Analytical Results - SWMUs 160, 161 - Comparison to SLs
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area
Belle, West Virginia

Analyte	Units	Screening Criteria (1)		Location ID	SWMU160-1	SWMU160-2	SWMU160-3	SWMU160-4	SWMU160-5	SWMU160-6	SWMU161-1	SWMU161-2	SWMU161-3
		EPA SL Residential Soil	EPA SL Industrial Soil	Field Sample ID	BEL-S-SWMU160-1	BEL-S-SWMU160-2	BEL-S-SWMU160-3	BEL-S-SWMU160-4	BEL-S-SWMU160-5	BEL-S-SWMU160-6	BEL-E-SWMU161-1	BEL-E-SWMU161-2	BEL-E-SWMU161-3
				Sample Name									
				Date Sampled	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/07/2013	05/07/2013	05/07/2013
				Start Depth - End Depth									
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	MG/KG	2.00E+00	8.80E+00		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	8.10E+02	3.60E+03		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG	6.00E-01	2.70E+00		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	1.50E-01	6.30E-01		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG	3.60E+00	1.60E+01		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	2.30E+01	1.00E+02		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG	5.10E-03	1.10E-01		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	5.30E-03	6.40E-02		<0.0020	<0.0030	<0.0020	<0.0020	<0.0030	<0.0030	<0.0030	<0.0020	<0.0030
1,2-Dibromoethane (EDB)	MG/KG	3.60E-02	1.60E-01		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.80E+02	9.30E+02		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	4.60E-01	2.00E+00		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	1.00E+00	4.40E+00		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG				<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	2.60E+00	1.10E+01		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
2-Hexanone	MG/KG	2.00E+01	1.30E+02		<0.0040	<0.0040	<0.0040	<0.0030	<0.0050	<0.0050	<0.0040	<0.0040	<0.0040
Acetone	MG/KG	6.10E+03	6.70E+04		<0.0090	**0.038**	**0.0100 J**	**0.084**	**0.042**	**0.04**	<0.0090	**0.032**	<0.0090
Acetonitrile	MG/KG	8.10E+01	3.40E+02		<0.0310	<0.0350	<0.0300	<0.0290	<0.0380	<0.0420	<0.0330	<0.0290	<0.0320
Acrolein	MG/KG	1.40E-02	6.00E-02		<0.0250	<0.0280	<0.0240	<0.0230	<0.0310	<0.0340	<0.0270	<0.0240	<0.0250
Acrylonitrile	MG/KG	2.50E-01	1.10E+00		<0.0050	<0.0060	<0.0050	<0.0050	<0.0060	<0.0070	<0.0050	<0.0050	<0.0050
Allyl Chloride	MG/KG	1.70E-01	6.90E-01		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	1.20E+00	5.10E+00		**0.0020 J**	**0.00090 J**	<0.00060	**0.0010 J**	**0.0040 J**	<0.00080	**0.00090 J**	**0.0040 J**	<0.00060
Bromodichloromethane	MG/KG	2.90E-01	1.30E+00		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	1.90E+01	8.60E+01		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG	7.70E+01	3.50E+02		**0.0050 J**	**0.016**	**0.0030 J**	**0.007**	**0.0020 J**	**0.0050 J**	**0.0020 J**	**0.007**	**0.0040 J**
Carbon Tetrachloride	MG/KG	6.50E-01	2.90E+00		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	2.80E+01	1.30E+02		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	7.50E-01	3.30E+00		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	3.20E-01	1.40E+00		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG	1.00E-02	4.40E-02		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	1.60E+01	2.30E+02		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG				<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG	8.70E+00	3.70E+01		<0.0020	<0.0030	<0.0020	<0.0020	<0.0030	<0.0030	<0.0030	<0.0020	<0.0030
Ethyl Chloride	MG/KG	1.40E+03	5.70E+03		<0.0020	<0.0030	<0.0020	<0.0020	<0.0030	<0.0030	<0.0030	<0.0020	<0.0030
Ethyl Methacrylate	MG/KG	1.40E+02	7.10E+02		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	5.80E+00	2.50E+01		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Iodomethane	MG/KG				<0.0040	<0.0040	<0.0040	<0.0030	<0.0050	<0.0050	<0.0040	<0.0040	<0.0040
Isobutyl Alcohol	MG/KG	2.30E+03	3.50E+04		<0.1300	<0.1400	<0.1200	<0.1100	<0.1500	<0.1700	<0.1300	<0.1200	<0.1300
Methacrylonitrile	MG/KG	7.50E-01	1.00E+01		<0.0060	<0.0070	<0.0060	<0.0060	<0.0080	<0.0080	<0.0070	<0.0060	<0.0060
Methyl Bromide	MG/KG	6.80E-01	3.00E+00		<0.0020	<0.0030	<0.0020	<0.0020	<0.0030	<0.0030	<0.0030	<0.0020	<0.0030
Methyl Chloride	MG/KG	1.10E+01	4.60E+01		<0.0020	<0.0030	<0.0020	**0.0050 J**	<0.0030	<0.0030	<0.0030	<0.0020	<0.0030
Methyl Ethyl Ketone	MG/KG	2.70E+03	1.90E+04		<0.0050	<0.0060	<0.0050	<0.0050	<0.0060	<0.0070	<0.0050	<0.0050	<0.0050
Methyl Isobutyl Ketone	MG/KG	5.30E+02	5.60E+03		<0.0040	<0.0040	<0.0040	<0.0030	<0.0050	<0.0050	<0.0040	<0.0040	<0.0040
Methyl Methacrylate	MG/KG	4.40E+02	1.90E+03		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Methylene Bromide	MG/KG	2.30E+00	9.80E+00		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	3.50E+01	3.20E+02		<0.0020	<0.0030	<0.0020	<0.0020	<0.0030	<0.0030	<0.0030	<0.0020	<0.0030
Pentachloroethane	MG/KG	7.70E+00	3.60E+01		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG				<0.0380	<0.0420	<0.0360	<0.0340	<0.0460	<0.0510	<0.0400	<0.0350	<0.0380
Styrene	MG/KG	6.00E+02	3.50E+03		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Tetrachloroethene	MG/KG	8.10E+00	3.90E+01		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	4.90E+02	4.70E+03		<0.0010	<0.0010	<0.0010	<0.0010	**0.0020 J**	<0.0020	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	1.60E+02	2.30E+03		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG				<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG	7.40E-03	3.20E-02		<0.0130	<0.0140	<0.0120	<0.0110	<0.0150	<0.0170	<0.0130	<0.0120	<0.0130
Trichloroethene	MG/KG	4.10E-01	1.90E+00		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010

Summary of Analytical Results - SWMUs 160, 161 - Comparison to SLs
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Chemours Belle Plant Area
Belle, West Virginia

Analyte	Units	Screening Criteria (1)		Location ID	SWMU160-1	SWMU160-2	SWMU160-3	SWMU160-4	SWMU160-5	SWMU160-6	SWMU161-1	SWMU161-2	SWMU161-3
		EPA SL Residential Soil	EPA SL Industrial Soil	Field Sample ID	BEL-S-SWMU160-1	BEL-S-SWMU160-2	BEL-S-SWMU160-3	BEL-S-SWMU160-4	BEL-S-SWMU160-5	BEL-S-SWMU160-6	BEL-E-SWMU161-1	BEL-E-SWMU161-2	BEL-E-SWMU161-3
				Sample Name									
				Date Sampled	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/07/2013	05/07/2013	05/07/2013
				Start Depth - End Depth									
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Trichlorofluoromethane	MG/KG	7.30E+01	3.10E+02		<0.0020	<0.0030	<0.0020	<0.0020	<0.0030	<0.0030	<0.0030	<0.0020	<0.0030
Vinyl Acetate	MG/KG	9.10E+01	3.80E+02		<0.0020	<0.0030	<0.0020	<0.0020	<0.0030	<0.0030	<0.0030	<0.0020	<0.0030
Vinyl Chloride	MG/KG	5.90E-02	1.70E+00		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	6.50E+01	2.80E+02		<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	**0.0020 J**	<0.0010	<0.0010
Semi-Volatile Organic Compounds													
1,2,4,5-Tetrachlorobenzene	MG/KG	2.30E+00	3.50E+01		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
1,2,4-Trichlorobenzene	MG/KG	5.80E+00	2.60E+01		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
1,3,5-Trinitrobenzene	MG/KG	2.20E+02	3.20E+03		<0.2200	<0.2200	<0.2200	<0.2200	<0.2600	<0.2900	<0.2400	<0.2100	<0.2200
1,3-Dinitrobenzene	MG/KG	6.30E-01	8.20E+00		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
1,4-Dioxane	MG/KG	5.30E+00	2.40E+01		<0.1300	<0.1300	<0.1300	<0.1300	<0.1600	<0.1700	<0.1400	<0.1300	<0.1300
1,4-Naphthoquinone	MG/KG				<1.1000	<1.1000	<1.1000	<1.1000	<1.3000	<1.4000	<1.2000	<1.1000	<1.1000 UJ
1-Naphthylamine	MG/KG				<0.2200	<0.2200	<0.2200	<0.2200	<0.2600	<0.2900	<0.2400	<0.2100	<0.2200
2,3,4,6-Tetrachlorophenol	MG/KG	1.90E+02	2.50E+03		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
2,4,5-Trichlorophenol	MG/KG	6.30E+02	8.20E+03		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
2,4,6-Trichlorophenol	MG/KG	6.30E+00	8.20E+01		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
2,4-Dichlorophenol	MG/KG	1.90E+01	2.50E+02		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
2,4-Dimethylphenol	MG/KG	1.30E+02	1.60E+03		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	**0.061**	<0.0210	<0.0220
2,4-Dinitrophenol	MG/KG	1.30E+01	1.60E+02		<0.4000	<0.3900	<0.3900	<0.3900	<0.4700	<0.5100	<0.4300	<0.3800	<0.4000
2,4-Dinitrotoluene	MG/KG	1.70E+00	7.40E+00		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
2,6-Dichlorophenol	MG/KG				<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
2,6-Dinitrotoluene	MG/KG	3.60E-01	1.50E+00		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
2-Acetylaminofluorene	MG/KG	1.40E-01	6.00E-01		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
2-Chloronaphthalene	MG/KG	4.80E+02	6.00E+03		<0.0090	<0.0090	<0.0090	<0.0090	<0.0110	<0.0120	<0.0100	<0.0090	<0.0090
2-Chlorophenol	MG/KG	3.90E+01	5.80E+02		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
2-Methylnaphthalene	MG/KG	2.40E+01	3.00E+02		**0.16**	**0.053**	**0.061**	**0.064**	**0.17**	**0.11**	**0.17**	**0.064**	**0.18**
2-Methylphenol (O-Cresol)	MG/KG	3.20E+02	4.10E+03		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
2-Naphthylamine	MG/KG	3.00E-01	1.30E+00		<0.2200	<0.2200	<0.2200	<0.2200	<0.2600	<0.2900	<0.2400	<0.2100	<0.2200
2-Nitroaniline	MG/KG	6.30E+01	8.00E+02		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
2-Nitrophenol	MG/KG				<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
2-Picoline	MG/KG				<0.1300	<0.1300	<0.1300	<0.1300	<0.1600	<0.1700	<0.1400	<0.1300	<0.1300
3,3'-Dichlorobenzidine	MG/KG	1.20E+00	5.10E+00		<0.1300	<0.1300	<0.1300	<0.1300	<0.1600	<0.1700	<0.1400	<0.1300	<0.1300
3,3'-Dimethylbenzidine	MG/KG	4.90E-02	2.10E-01		<0.6600	<0.6500	<0.6500	<0.6500	<0.7800	<0.8600	<0.7100	<0.6400	<0.6700 UJ
3-Methylcholanthrene	MG/KG	5.50E-03	1.00E-01		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	**0.59**	<0.0210	<0.0220
3-Nitroaniline	MG/KG				<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
4,6-Dinitro-2-Methylphenol	MG/KG	5.10E-01	6.60E+00		<0.2200	<0.2200	<0.2200	<0.2200	<0.2600	<0.2900	<0.2400	<0.2100	<0.2200
4-Aminobiphenyl	MG/KG	2.60E-02	1.10E-01		<0.2200	<0.2200	<0.2200	<0.2200	<0.2600	<0.2900	<0.2400	<0.2100	<0.2200
4-Bromophenyl Phenyl Ether	MG/KG				<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
4-Chloro-3-Methylphenol	MG/KG	6.30E+02	8.20E+03		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
4-Chloroaniline	MG/KG	2.70E+00	1.10E+01		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
4-Chlorophenyl Phenyl Ether	MG/KG				<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
4-Dimethylaminoazobenzene	MG/KG	1.20E-01	5.00E-01		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
4-Methylphenol (P-Cresol)	MG/KG	6.30E+02	8.20E+03		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	**0.12**	<0.0210	<0.0220
4-Nitroaniline	MG/KG	2.50E+01	1.10E+02		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
4-Nitrophenol	MG/KG				<0.2200	<0.2200	<0.2200	<0.2200	<0.2600	<0.2900	<0.2400	<0.2100	<0.2200
4-Nitroquinoline-N-Oxide	MG/KG				<0.4400	<0.4400	<0.4400	<0.4400	<0.5200	<0.5700	<0.4700	<0.4200	<0.4400 UJ
5-Nitro-Ortho-Toluidine	MG/KG	6.00E+01	2.60E+02		<0.2200	<0.2200	<0.2200	<0.2200	<0.2600	<0.2900	<0.2400	<0.2100	<0.2200
7,12-Dimethylbenz[A]Anthracene	MG/KG	4.60E-04	8.40E-03		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
Acenaphthene	MG/KG	3.60E+02	4.50E+03		**0.11**	**0.023**	**0.087**	**0.0190 J**	**0.037**	**0.0180 J**	**1.7**	**0.038**	**0.027**
Acenaphthylene	MG/KG	3.60E+02	4.50E+03		**0.11**	**0.022**	**0.0210 J**	**0.0180 J**	**0.034**	**0.03**	**0.0200 J**	**0.0100 J**	**0.0140 J**
Acetophenone	MG/KG	7.80E+02	1.20E+04		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	**0.16**	<0.0210	<0.0220
Aniline	MG/KG	4.40E+01	4.00E+02		<0.2200	<0.2200	<0.2200	<0.2200	<0.2600	<0.2900	<0.2400	<0.2100	<0.2200
Anthracene	MG/KG	1.80E+03	2.30E+04		**0.21**	**0.022**	**0.099**	**0.0210 J**	**0.051**	**0.06**	**4.8**	**0.026**	**0.028**
Benzo(A)Anthracene	MG/KG	1.60E-01	2.90E+00		**0.35**	**0.043**	**0.28**	**0.065**	**0.14**	**0.14**	**16**	**0.17**	**0.072**
Benzo(B)Fluoranthene	MG/KG	1.60E-01	2.90E+00		**0.4**	**0.063**	**0.27**	**0.11**	**0.2**	**0.18**	**19**	**0.28**	**0.092**
Benzo(G,H,I)Perylene	MG/KG	1.80E+02	2.30E+03		**0.24**	**0.045**	**0.11**	**0.062**	**0.11**	**0.094**	**7.1**	**0.13**	**0.048**

Summary of Analytical Results - SWMUs 160, 161 - Comparison to SLs
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area
Belle, West Virginia

Analyte	Units	Screening Criteria (1)		Location ID	SWMU160-1	SWMU160-2	SWMU160-3	SWMU160-4	SWMU160-5	SWMU160-6	SWMU161-1	SWMU161-2	SWMU161-3
		EPA SL Residential Soil	EPA SL Industrial Soil	Field Sample ID	BEL-S-SWMU160-1	BEL-S-SWMU160-2	BEL-S-SWMU160-3	BEL-S-SWMU160-4	BEL-S-SWMU160-5	BEL-S-SWMU160-6	BEL-E-SWMU161-1	BEL-E-SWMU161-2	BEL-E-SWMU161-3
				Sample Name									
				Date Sampled	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/07/2013	05/07/2013	05/07/2013
				Start Depth - End Depth									
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Benzo(K)Fluoranthene	MG/KG	1.60E+00	2.90E+01		**0.16**	**0.025**	**0.083**	**0.036**	**0.066**	**0.089**	**7**	**0.11**	**0.026**
Benzo[A]Pyrene	MG/KG	1.60E-02	2.90E-01		**0.34**	**0.045**	**0.19**	**0.059**	**0.12**	**0.12**	**12**	**0.18**	**0.045**
Benzyl Alcohol	MG/KG	6.30E+02	8.20E+03		<0.2200	<0.2200	<0.2200	<0.2200	<0.2600	<0.2900	<0.2400	<0.2100	<0.2200
Bis(2-Chloroethoxy)Methane	MG/KG	1.90E+01	2.50E+02		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
Bis(2-Chloroethyl)Ether	MG/KG	2.30E-01	1.00E+00		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
Bis(2-Chloroisopropyl)Ether	MG/KG				<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
Bis(2-Ethylhexyl)Phthalate	MG/KG	3.90E+01	1.60E+02		<0.0880	<0.0870	<0.0870	<0.0870	**0.1400 J**	<0.1100	<0.0950	<0.0850	<0.0890
Butyl Benzyl Phthalate	MG/KG	2.90E+02	1.20E+03		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
Chlorobenzilate	MG/KG	4.90E+00	2.10E+01		<0.0440	<0.0440	<0.0440	<0.0440	<0.0520	<0.0570	<0.0470	<0.0420	<0.0440
Chrysene	MG/KG	1.60E+01	2.90E+02		**0.3**	**0.065**	**0.29**	**0.081**	**0.18**	**0.18**	**17**	**0.32**	**0.078**
Diallate	MG/KG	8.90E+00	3.80E+01		<0.0440	<0.0440	<0.0440	<0.0440	<0.0520	<0.0570	<0.0470	<0.0420	<0.0440
Dibenz(A,H)Anthracene	MG/KG	1.60E-02	2.90E-01		**0.062**	**0.023**	**0.046**	**0.0160 J**	**0.029**	<0.0060	**2.6**	**0.044**	**0.0130 J**
Dibenzofuran	MG/KG	7.30E+00	1.00E+02		**0.1**	<0.0220	**0.0430 J**	**0.0260 J**	**0.053**	**0.0360 J**	**0.62**	**0.057**	**0.075**
Diethyl Phthalate	MG/KG	5.10E+03	6.60E+04		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
Dimethyl Phthalate	MG/KG				<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
Di-N-Butyl Phthalate	MG/KG	6.30E+02	8.20E+03		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
Ethyl Methanesulfonate	MG/KG				<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
Fluoranthene	MG/KG	2.40E+02	3.00E+03		**0.81**	**0.14**	**0.56**	**0.11**	**0.27**	**0.33**	**46**	**0.57**	**0.1500 J**
Fluorene	MG/KG	2.40E+02	3.00E+03		**0.13**	<0.0040	**0.041**	**0.029**	**0.038**	**0.0250 J**	**1.2**	**0.032**	**0.025**
Hexachlorobenzene	MG/KG	2.10E-01	9.60E-01		<0.0040	<0.0040	<0.0040	<0.0040	<0.0050	<0.0060	<0.0050	<0.0040	<0.0040
Hexachlorobutadiene	MG/KG	1.20E+00	5.30E+00		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
Hexachlorocyclopentadiene	MG/KG	1.80E-01	7.50E-01		<0.2200	<0.2200	<0.2200	<0.2200	<0.2600	<0.2900	<0.2400	<0.2100	<0.2200 UJ
Hexachloroethane	MG/KG	1.80E+00	8.00E+00		<0.0440	<0.0440	<0.0440	<0.0440	<0.0520	<0.0570	<0.0470	<0.0420	<0.0440
Hexachloropropylene	MG/KG				<0.1300	<0.1300	<0.1300	<0.1300	<0.1600	<0.1700	<0.1400	<0.1300	<0.1300 UJ
Indeno (1,2,3-CD) Pyrene	MG/KG	1.60E-01	2.90E+00		**0.2**	**0.032**	**0.1**	**0.047**	**0.073**	**0.089**	**7.4**	**0.12**	**0.034**
Isodrin	MG/KG				<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
Isophorone	MG/KG	5.70E+02	2.40E+03		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
Isosafrole	MG/KG				<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
Methapyrilene	MG/KG				<2.2000	<2.2000	<2.2000	<2.2000	<2.6000	<2.9000	<2.4000	<2.1000	<2.2000
Methyl Methanesulfonate	MG/KG	5.50E+00	2.30E+01		<0.0440	<0.0440	<0.0440	<0.0440	<0.0520	<0.0570	<0.0470	<0.0420	<0.0440
Naphthalene	MG/KG	3.80E+00	1.70E+01		**0.25**	**0.056**	**0.1**	**0.072**	**0.26**	**0.1**	**0.21**	**0.11**	**0.25**
N-Dioctyl Phthalate	MG/KG	6.30E+01	8.20E+02		<0.0880	<0.0870	<0.0870	<0.0870	**0.4**	<0.1100	<0.0950	<0.0850	<0.0890
Nitrobenzene	MG/KG	5.10E+00	2.20E+01		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
N-Nitroso(Methyl)Ethylamine	MG/KG	2.00E-02	9.10E-02		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
N-Nitrosodiethylamine	MG/KG	8.10E-04	1.50E-02		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
N-Nitrosodimethylamine	MG/KG	2.00E-03	3.40E-02		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
N-Nitroso-Di-N-Butylamine	MG/KG	9.90E-02	4.60E-01		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
N-Nitrosodi-N-Propylamine	MG/KG	7.80E-02	3.30E-01		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
N-Nitrosodiphenylamine	MG/KG	1.10E+02	4.70E+02		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
N-Nitrosomorpholine	MG/KG	8.10E-02	3.40E-01		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
N-Nitrosopiperidine	MG/KG	5.80E-02	2.40E-01		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
N-Nitrosopyrrolidine	MG/KG	2.60E-01	1.10E+00		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
O,O,O-Triethylphosphorothioate	MG/KG				<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
O-Toluidine	MG/KG				<0.2600	<0.2600	<0.2600	<0.2600	<0.3100	<0.3400	<0.2800	<0.2500	<0.2700
para-Phenylenediamine	MG/KG	1.20E+03	1.60E+04		<15.0000	<15.0000	<15.0000	<15.0000	<18.0000	<20.0000	<17.0000	<15.0000	<16.0000
Pentachlorobenzene	MG/KG	6.30E+00	9.30E+01		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220

Summary of Analytical Results - SWMUs 160, 161 - Comparison to SLs
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area
Belle, West Virginia

Analyte	Units	Screening Criteria (1)		Location ID	SWMU160-1	SWMU160-2	SWMU160-3	SWMU160-4	SWMU160-5	SWMU160-6	SWMU161-1	SWMU161-2	SWMU161-3
		EPA SL Residential Soil	EPA SL Industrial Soil	Field Sample ID	BEL-S-SWMU160-1	BEL-S-SWMU160-2	BEL-S-SWMU160-3	BEL-S-SWMU160-4	BEL-S-SWMU160-5	BEL-S-SWMU160-6	BEL-E-SWMU161-1	BEL-E-SWMU161-2	BEL-E-SWMU161-3
				Sample Name									
				Date Sampled	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/07/2013	05/07/2013	05/07/2013
				Start Depth - End Depth									
				Sample Purpose	FS	FS	FS	FS	FS	FS	FS	FS	FS
Pentachloronitrobenzene	MG/KG	2.70E+00	1.30E+01		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
Pentachlorophenol	MG/KG	1.00E+00	4.00E+00		<0.0440	<0.0440	<0.0440	<0.0440	<0.0520	<0.0570	<0.0470	<0.0420	<0.0440
Phenacetin	MG/KG	2.50E+02	1.00E+03		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
Phenanthrene	MG/KG	1.80E+03	2.30E+04		**0.65**	**0.1**	**0.3**	**0.079**	**0.18**	**0.22**	**34**	**0.63**	**0.1600 J**
Phenol	MG/KG	1.90E+03	2.50E+04		<0.0220	<0.0220	<0.0220	<0.0220	<0.0260	<0.0290	<0.0240	<0.0210	<0.0220
Pyrene	MG/KG	1.80E+02	2.30E+03		**0.72**	**0.13**	**0.5**	**0.12**	**0.24**	**0.29**	**34**	**0.53**	**0.1300 J**
Pyridine	MG/KG	7.80E+00	1.20E+02		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
Safrole	MG/KG	5.50E-01	1.00E+01		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
Tetraethyl Dithiopyrophosphate	MG/KG	3.20E+00	4.10E+01		<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
Thionazin	MG/KG				<0.0880	<0.0870	<0.0870	<0.0870	<0.1000	<0.1100	<0.0950	<0.0850	<0.0890
Dimethoate	MG/KG	1.30E+00	1.60E+01		<0.2200	<0.2200	<0.2200	<0.2200	<0.2600	<0.2900	<0.2400	<0.2100	<0.2200
Pronamide	MG/KG	4.70E+02	6.20E+03		<0.0440	<0.0440	<0.0440	<0.0440	<0.0520	<0.0570	<0.0470	<0.0420	<0.0440
Inorganics													
Antimony	MG/KG	3.10E+00	4.70E+01		**1.02**	**1.22**	**0.915**	**1.57**	**2.35**	**1.36**	**0.37**	**0.261**	**0.316 J**
Arsenic	MG/KG	6.80E-01	3.00E+00		**5.02 J**	**6.31 J**	**4.18 J**	**6.39 J**	**3.23 J**	**3.86 J**	**2.87 J**	**4.20 J**	**4.02 J**
Barium	MG/KG	1.50E+03	2.20E+04		**63.5**	**59.6**	**36.9**	**52.9**	**84.5**	**86.7**	**52.3**	**45.4**	**52.7 J**
Beryllium	MG/KG	1.60E+01	2.30E+02		**1.57**	**0.915**	**0.595 J**	**0.816**	**0.885**	**0.975**	**0.675 J**	**0.629 J**	**0.615 J**
Cadmium	MG/KG	7.10E+00	9.80E+01		**0.290 J**	**0.240 J**	**0.212 J**	**0.364 J**	**0.393 J**	**0.460 J**	**0.424 J**	**0.312 J**	**0.231 J**
Chromium	MG/KG	1.20E+04	1.80E+05		**16.5 J**	**12.0 J**	**41.2 J**	**81.0 J**	**16.0 J**	**17.6 J**	**10.8 J**	**11.5 J**	**28.3 J**
Cobalt	MG/KG	2.30E+00	3.50E+01		**9.11**	**9.07**	**6.04**	**9.7**	**10.3**	**13.5**	**7.85**	**7.42**	**6.28**
Copper	MG/KG	3.10E+02	4.70E+03		**183 J**	**64.1 J**	**220 J**	**686 J**	**48.6 J**	**62.2 J**	**37.7 J**	**45.9 J**	**489 J**
Lead	MG/KG	4.00E+02	8.00E+02		**19.3 J**	**36.6 J**	**12.5 J**	**16.4 J**	**24.2 J**	**26.4 J**	**15.0 J**	**13.5 J**	**13.2**
Mercury	MG/KG	2.30E+00	3.50E+01		**0.166 J**	**0.0748 J**	**0.184 J**	**0.153 J**	**0.174 J**	**0.610 J**	**0.0860 J**	**0.705 J**	**0.174 J**
Nickel	MG/KG	1.50E+02	2.20E+03		**16.6**	**15.8**	**11.2**	**56.1**	**18.8**	**24.3**	**13.6 J**	**14.1 J**	**11.7**
Selenium	MG/KG	3.90E+01	5.80E+02		**0.303 J**	**0.252 J**	**0.253 J**	**0.426 J**	**0.648**	**1.1**	**0.297 J**	**0.176 J**	**0.182 J**
Silver	MG/KG	3.90E+01	5.80E+02		<0.180	<0.182	<0.179	<0.177	**3.23**	<0.231	<0.197	**0.222 J**	<0.183
Thallium	MG/KG	7.80E-02	1.20E+00		**0.0667 J**	**0.0902 J**	**0.104 J**	**0.126 J**	**0.157**	**0.235**	**0.0697 J**	**0.0630 J**	**0.0537 J**
Tin	MG/KG	4.70E+03	7.00E+04		**4.18 B**	**3.58 B**	**3.27 B**	**2.70 B**	**5.05 B**	**4.62 B**	**3.17 B**	**2.35 B**	**2.41 B**
Vanadium	MG/KG	3.90E+01	5.80E+02		**11.7**	**12.3**	**9.09**	**12.9**	**12.4**	**15.8**	**8.99**	**10.3**	**7.9**
Zinc	MG/KG	2.30E+03	3.50E+04		**213 J**	**213 J**	**104 J**	**140 J**	**259 J**	**234 J**	**160 J**	**147 J**	**92.9 J**
Miscellaneous													
Percent Moisture	%				**24.4**	**24.5 J**	**23.9 J**	**23.4 J**	**35.7 J**	**41.7 J**	**29.7**	**21.3**	**25.7**

Footnotes:
(1) Criteria = EPA Regional Screening Level for Residential Soil (Res Soil) and Industrial Soil (Ind Soil)
(based on excess cancer risk of $1x10^{-6}$ and HQ = 0.1). SLs are applicable to depths less than 15 ft bgs.

Screening Criteria Notes:
Cadmium value is the SL for cadmium (diet)
Chromium value is the SL for trivalent chromium
Mercury value shown is the SL for mercuric chloride
The following surrogates were used for analytes without an SL:
Analyte - Surrogate
Acenaphthylene - acenaphthene
Benzo(g,h,i)perylene - pyrene
Phenanthrene - anthracene

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the residential SL
Pink Shaded Cells = Concentration above the industrial SL
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise
UL-Not detected; reporting limit is expected to be higher

Summary of Analytical Results - SWMUs 190 and 192 - Comparison to SSLs
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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)						
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	SWMU192-1	SWMU192-1	SWMU192-10	SWMU192-10	SWMU192-10
					Field Sample ID	28909116	28909117	28903398	28903399	28903400
					Sample Name	BEL-S-SWMU192-1(0.5-1)	BEL-S-SWMU192-1(21-22)	BEL-S-SWMU192-10(0.5-1)	BEL-S-SWMU192-10(14-15)	BEL-S-SWMU192-10(19-20)
					Date Sampled	02/22/2013	02/22/2013	02/19/2013	02/19/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	0.5 - 1	14 - 15	19 - 20
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Fill	Native Soil
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0010	<0.00090	<0.0010	**0.0230**	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01			<0.0040	<0.0030	<0.0030	<0.0030	<0.0030
Acetone	MG/KG		5.80E+01			**0.037**	**0.0080 J**	**0.028**	**0.15**	**0.063**
Acetonitrile	MG/KG		5.20E-01			<0.0360	<0.0240	<0.0290	<0.0270	<0.0260
Acrolein	MG/KG		1.68E-04			<0.0290	<0.0190	<0.0230	<0.0220	<0.0210
Acrylonitrile	MG/KG		2.20E-04			<0.0060	<0.0040	<0.0050	<0.0040	<0.0040
Allyl Chloride	MG/KG		4.60E-03			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			**0.0010 J**	<0.00050	<0.00060	**0.01**	**0.0030 J**
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			**0.0040 J**	**0.0020 J**	<0.0010	**0.009**	<0.0010
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			**0.014**	<0.00090	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0010	<0.00090	<0.0010	**1.8**	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			**0.0040 J**	<0.00090	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Chloride	MG/KG		1.18E+02			<0.0030 UL	<0.0020 UL	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0010	<0.00090	<0.0010	**0.0040 J**	<0.0010
Formaldehyde	MG/KG		1.74E-03			**1.9 J**	**7.2**	<1.5	**20**	**10**
Iodomethane	MG/KG					<0.0040	<0.0030	<0.0030	<0.0030	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1400	<0.0950	<0.1100	<0.1100	<0.1000

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-1	SWMU192-1	SWMU192-10	SWMU192-10	SWMU192-10
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28909116	28909117	28903398	28903399	28903400
					Sample Name	BEL-S-SWMU192-1(0.5-1)	BEL-S-SWMU192-1(21-22)	BEL-S-SWMU192-10(0.5-1)	BEL-S-SWMU192-10(14-15)	BEL-S-SWMU192-10(19-20)
					Date Sampled	02/22/2013	02/22/2013	02/19/2013	02/19/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	0.5 - 1	14 - 15	19 - 20
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Fill	Native Soil
Methacrylonitrile	MG/KG		8.60E-03			<0.0070	<0.0050	<0.0060	<0.0050	<0.0050
Methyl Bromide	MG/KG		3.80E-02			<0.0030 UL	<0.0020 UL	<0.0020	<0.0020	<0.0020
Methyl Chloride	MG/KG		9.80E-01			<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0060	<0.0040	<0.0050	<0.0040	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0040	<0.0030	<0.0030	<0.0030	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010	<0.00090	**0.01**	<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0030	**0.0030 J**	<0.0020	<0.0020	<0.0020
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0430	<0.0280	<0.0340	<0.0320	<0.0310
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0140	<0.0090	<0.0110	<0.0110	<0.0100
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00			<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010	<0.00090	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.0010	<0.00090	<0.0010	**0.0040 J**	<0.0010
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.1800	<0.1900	<1.0000	<0.2100	<0.2100
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
1,4-Dioxane	MG/KG		1.88E-03			<0.1100 UL	<0.1200 UL	<0.6300 UL	<0.1300 UL	<0.1200 UL
1,4-Naphthoquinone	MG/KG					<0.9000	<0.9600	<5.2000	<1.1000	<1.0000
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01						
1-Naphthylamine	MG/KG					<0.1800	<0.1900	<1.0000	<0.2100	<0.2100
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3300	<0.3500	<1.9000	<0.3900	<0.3700
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
2,6-Dichlorophenol	MG/KG					<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-1	SWMU192-1	SWMU192-10	SWMU192-10	SWMU192-10
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28909116	28909117	28903398	28903399	28903400
					Sample Name	BEL-S-SWMU192-1(0.5-1)	BEL-S-SWMU192-1(21-22)	BEL-S-SWMU192-10(0.5-1)	BEL-S-SWMU192-10(14-15)	BEL-S-SWMU192-10(19-20)
					Date Sampled	02/22/2013	02/22/2013	02/19/2013	02/19/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	0.5 - 1	14 - 15	19 - 20
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Fill	Native Soil
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0080	<0.0080	<0.0440	<0.0090	<0.0090
2-Chlorophenol	MG/KG		1.48E+00			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.19**	**0.0040 J**	**0.82**	<0.0040	<0.0040
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
2-Naphthylamine	MG/KG		4.00E-03			<0.1800	<0.1900	<1.0000 UL	<0.2100 UL	<0.2100 UL
2-Nitroaniline	MG/KG		1.60E+00			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
2-Nitrophenol	MG/KG					<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
2-Picoline	MG/KG					<0.1100	<0.1200	<0.6300	<0.1300	<0.1200
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1100	<0.1200	<0.6300	<0.1300	<0.1200
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.5400	<0.5800	<3.1000	<0.6400	<0.6200
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
3-Nitroaniline	MG/KG					<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.1800	<0.1900	<1.0000	<0.2100	<0.2100
4-Aminobiphenyl	MG/KG		3.00E-04			<0.1800	<0.1900	<1.0000	<0.2100	<0.2100
4-Bromophenyl Phenyl Ether	MG/KG					<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
4-Chloroaniline	MG/KG		3.20E-03			<0.0180	<0.0190	<0.1000 UL	<0.0210 UL	<0.0210 UL
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
4-Nitroaniline	MG/KG		3.20E-02			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
4-Nitrophenol	MG/KG					<0.1800	<0.1900	<1.0000	<0.2100	<0.2100
4-Nitroquinoline-N-Oxide	MG/KG					<0.3600	<0.3800	<2.1000	<0.4300	<0.4200
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.1800	<0.1900	<1.0000	<0.2100	<0.2100
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0040	<0.0040	<0.0210	<0.0040	<0.0040
Acenaphthylene	MG/KG			3.10E-01		**0.059**	<0.0040	<0.0210	<0.0040	<0.0040
Acetophenone	MG/KG		1.16E+01			**0.0320 J**	<0.0190	<0.1000	<0.0210	<0.0210
Aniline	MG/KG		9.20E-02			<0.1800	<0.1900	<1.0000	<0.2100	<0.2100
Anthracene	MG/KG		1.16E+03	4.40E-01		**0.11**	<0.0040	<0.0210	<0.0040	<0.0040
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.43**	<0.0040	**0.0490 J**	<0.0040	<0.0040
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.82**	**0.0050 J**	**0.0550 J**	<0.0040	<0.0040
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.35**	<0.0040	**0.0360 J**	<0.0040	<0.0040
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**0.29**	**0.0050 J**	**0.0290 J**	<0.0040	<0.0040
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**0.44**	<0.0040	**0.0400 J**	<0.0040	<0.0040
Benzyl Alcohol	MG/KG		9.60E+00			<0.1800	<0.1900	<1.0000	<0.2100	<0.2100
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-1	SWMU192-1	SWMU192-10	SWMU192-10	SWMU192-10
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28909116	28909117	28903398	28903399	28903400
					Sample Name	BEL-S-SWMU192-1(0.5-1)	BEL-S-SWMU192-1(21-22)	BEL-S-SWMU192-10(0.5-1)	BEL-S-SWMU192-10(14-15)	BEL-S-SWMU192-10(19-20)
					Date Sampled	02/22/2013	02/22/2013	02/19/2013	02/19/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	0.5 - 1	14 - 15	19 - 20
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Fill	Native Soil
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
Chlorobenzilate	MG/KG		2.00E-02			<0.0360	<0.0380	<0.2100	<0.0430	<0.0420
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.46**	**0.0050 J**	**0.0700 J**	**0.0050 J**	<0.0040
Diallate	MG/KG		1.56E-02			<0.0360	<0.0380	<0.2100	<0.0430	<0.0420
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		**0.093**	<0.0040	<0.0210	<0.0040	<0.0040
Dibenzofuran	MG/KG		3.00E+00			**0.086**	<0.0190	**0.1900 J**	<0.0210	<0.0210
Diethyl Phthalate	MG/KG		1.22E+02			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
Dimethyl Phthalate	MG/KG					<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
Ethyl Methanesulfonate	MG/KG					<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.82**	**0.0060 J**	**0.12**	<0.0040	<0.0040
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.0040	<0.0040	<0.0210	<0.0040	**0.0050 J**
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040	<0.0040	<0.0210	<0.0040	<0.0040
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.1800	<0.1900	<1.0000	<0.2100	<0.2100
Hexachloroethane	MG/KG		4.00E-03			<0.0360	<0.0380	<0.2100	<0.0430	<0.0420
Hexachloropropylene	MG/KG					<0.1100	<0.1200	<0.6300	<0.1300	<0.1200
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**0.28**	<0.0040	**0.0240 J**	<0.0040	<0.0040
Isodrin	MG/KG					<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
Isophorone	MG/KG		5.20E-01			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
Isosafrole	MG/KG					<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
Methapyrilene	MG/KG					<1.8000	<1.9000	<10.0000	<2.1000	<2.1000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0360	<0.0380	<0.2100	<0.0430	<0.0420
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.18**	**0.0050 J**	**0.7**	**0.0090 J**	<0.0040
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
Nitrobenzene	MG/KG		1.84E-03			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
O,O,O-Triethylphosphorothioate	MG/KG					<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
O-Toluidine	MG/KG					<0.2200	<0.2300	<1.3000	<0.2600	<0.2500

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-1	SWMU192-1	SWMU192-10	SWMU192-10	SWMU192-10
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28909116	28909117	28903398	28903399	28903400
					Sample Name	BEL-S-SWMU192-1(0.5-1)	BEL-S-SWMU192-1(21-22)	BEL-S-SWMU192-10(0.5-1)	BEL-S-SWMU192-10(14-15)	BEL-S-SWMU192-10(19-20)
					Date Sampled	02/22/2013	02/22/2013	02/19/2013	02/19/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	0.5 - 1	14 - 15	19 - 20
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Fill	Native Soil
para-Phenylenediamine	MG/KG		2.00E+01			<13.0000	<13.0000	<73.0000	<15.0000	<15.0000
Pentachlorobenzene	MG/KG		4.80E-01			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0360	<0.0380	<0.2100	<0.0430	<0.0420
Phenacetin	MG/KG		1.94E-01			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
Phenanthrene	MG/KG			8.70E-01		**0.55**	**0.0060 J**	**0.31**	**0.0120 J**	**0.0070 J**
Phenol	MG/KG		6.60E+01			<0.0180	<0.0190	<0.1000	<0.0210	<0.0210
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.68**	**0.0060 J**	**0.11**	<0.0040	<0.0040
Pyridine	MG/KG		1.36E-01			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
Safrole	MG/KG		1.18E-03			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
Thionazin	MG/KG					<0.0720	<0.0770	<0.4200	<0.0860	<0.0830
Dimethoate	MG/KG		1.80E-02			<0.1800 UL	<0.1900 UL	<1.0000 UL	<0.2100 UL	<0.2100 UL
Pronamide	MG/KG		2.40E+01			<0.0360	<0.0380	<0.2100	<0.0430	<0.0420
Inorganics										
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**1.41**	<0.0759	**0.494**	**0.144 J**	**0.0850 J**
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**20.2**	**4.09**	**11.6**	**4.41**	**5.76**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**95**	**63.3**	**169**	**141**	**202**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**0.818**	**0.902**	**0.818**	**0.736**	**1.23**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		**1.66**	<0.0380	<0.0412	<0.0418	<0.0407
Chromium	MG/KG	3.60E+06		4.40E+01		**36.4**	**11.7**	**26.0 K**	**26.5 K**	**20.5 K**
Cobalt	MG/KG		5.40E+00	2.23E+01		**6.29**	**8.04**	**6.36**	**4.21**	**9.91**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**299 L**	**15.5 L**	**88.2 K**	**14.5 K**	**22.6 K**
Lead	MG/KG	2.80E+02		1.06E+02		**58.2**	**9.61**	**68.4**	**15.2**	**17**
Mercury	MG/KG	2.00E+00		4.14E+00		**2.44**	**0.0407 J**	**0.421**	**0.0456 J**	**0.0638 J**
Nickel	MG/KG		5.20E+02	2.59E+01		**15.8**	**15.1**	**20.2**	**15.9**	**23.3**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**1.01**	**0.140 J**	**0.656**	<0.127	<0.123
Silver	MG/KG		1.60E+01			**1.36**	<0.161	**0.301 J**	<0.177	<0.173
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.131**	**0.0942 J**	**0.205**	**0.196**	**0.198**
Tin	MG/KG		6.00E+04			**6.03 B**	**2.05 B**	**3.31 B**	**2.59 B**	**2.58 B**
Vanadium	MG/KG		1.72E+03	6.74E+01		**9.71**	**14.5**	**21.9**	**34.9**	**28.5**
Zinc	MG/KG		7.40E+03	1.33E+02		**116**	**47**	**92.2 K**	**61.4 K**	**94.1 K**
Miscellaneous										
Percent Moisture	%					**7.8**	**13.1**	**21.4**	**22.6**	**19.7**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-1	SWMU192-1	SWMU192-10	SWMU192-10	SWMU192-10
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28909116	28909117	28903398	28903399	28903400
					Sample Name	BEL-S-SWMU192-1(0.5-1)	BEL-S-SWMU192-1(21-22)	BEL-S-SWMU192-10(0.5-1)	BEL-S-SWMU192-10(14-15)	BEL-S-SWMU192-10(19-20)
					Date Sampled	02/22/2013	02/22/2013	02/19/2013	02/19/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	21 - 22	0.5 - 1	14 - 15	19 - 20
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Fill	Native Soil

Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)						
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	SWMU192-11	SWMU192-11	SWMU192-11	SWMU192-12	SWMU192-12
					Field Sample ID	28912575	28912576	28912577	28903394	28903395
					Sample Name	BEL-S-SWMU192-11(0.5-1)	BEL-S-SWMU192-11(14-15)	BEL-S-SWMU192-11(19-20)	BEL-S-SWMU192-12(0.5-1)	BEL-S-SWMU192-12(9-10)
					Date Sampled	02/20/2013	02/20/2013	02/20/2013	02/19/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	14 - 15	19 - 20	0.5 - 1	9 - 10
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Fill	Native Soil
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0030 UL	<0.0020	<0.0020 UL	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01			<0.0040 UL	<0.0030	<0.0030 UL	<0.0040	<0.0030
Acetone	MG/KG		5.80E+01			**0.0280 J**	**0.0080 J**	**0.033**	**0.08**	**0.034**
Acetonitrile	MG/KG		5.20E-01			<0.0370	<0.0250	<0.0250	<0.0300	<0.0260
Acrolein	MG/KG		1.68E-04			<0.0300	<0.0200	<0.0200	<0.0240	<0.0210
Acrylonitrile	MG/KG		2.20E-04			<0.0060	<0.0040	<0.0040	<0.0050	<0.0040
Allyl Chloride	MG/KG		4.60E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			**0.076**	<0.00050	<0.00050	<0.00060	**0.0030 J**
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			**0.0020 J**	**0.0010 J**	<0.0010	**0.02**	**0.005**
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0010	<0.0010	<0.0010	<0.0010	**0.05**
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			**0.011**	<0.0010	<0.0010	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0030 UL	<0.0020	<0.0020 UL	<0.0020	<0.0020
Ethyl Chloride	MG/KG		1.18E+02			<0.0030	<0.0020 UL	<0.0020	<0.0020	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03			**22**	**27**	<1.4	**33.0 J**	**84**
Iodomethane	MG/KG					<0.0040	<0.0030	<0.0030	<0.0040	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1500	<0.1000	<0.1000	<0.1200	<0.1000

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-11	SWMU192-11	SWMU192-11	SWMU192-12	SWMU192-12
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912575	28912576	28912577	28903394	28903395
					Sample Name	BEL-S-SWMU192-11(0.5-1)	BEL-S-SWMU192-11(14-15)	BEL-S-SWMU192-11(19-20)	BEL-S-SWMU192-12(0.5-1)	BEL-S-SWMU192-12(9-10)
					Date Sampled	02/20/2013	02/20/2013	02/20/2013	02/19/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	14 - 15	19 - 20	0.5 - 1	9 - 10
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Fill	Native Soil
Methacrylonitrile	MG/KG		8.60E-03			<0.0070	<0.0050	<0.0050	<0.0060	<0.0050
Methyl Bromide	MG/KG		3.80E-02			<0.0030	<0.0020 UL	<0.0020	<0.0020	<0.0020
Methyl Chloride	MG/KG		9.80E-01			<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0060	<0.0040	<0.0040	<0.0050	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0040	<0.0030	<0.0030	<0.0040	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00			**0.22**	**0.005**	**0.008**	<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0450	<0.0300	<0.0300	<0.0360	<0.0310
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			**0.013**	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0150	<0.0100	<0.0100	<0.0120	<0.0100
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00			<0.0030	<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2200	<0.2000	<0.2000	<1.1000	<0.2100
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
1,4-Dioxane	MG/KG		1.88E-03			<0.1300 UL	<0.1200 UL	<0.1200 UL	<0.6600 UL	<0.1300 UL
1,4-Naphthoquinone	MG/KG					<1.1000	<1.0000	<1.0000	<5.5000	<1.0000
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01						
1-Naphthylamine	MG/KG					<0.2200	<0.2000	<0.2000	<1.1000	<0.2100
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3900	<0.3700	<0.3700	<2.0000	<0.3800
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
2,6-Dichlorophenol	MG/KG					<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-11	SWMU192-11	SWMU192-11	SWMU192-12	SWMU192-12
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912575	28912576	28912577	28903394	28903395
					Sample Name	BEL-S-SWMU192-11(0.5-1)	BEL-S-SWMU192-11(14-15)	BEL-S-SWMU192-11(19-20)	BEL-S-SWMU192-12(0.5-1)	BEL-S-SWMU192-12(9-10)
					Date Sampled	02/20/2013	02/20/2013	02/20/2013	02/19/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	14 - 15	19 - 20	0.5 - 1	9 - 10
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Fill	Native Soil
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0090	<0.0090	<0.0090	<0.0460	<0.0090
2-Chlorophenol	MG/KG		1.48E+00			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.032**	**0.0060 J**	<0.0040	<0.0220	<0.0040
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
2-Naphthylamine	MG/KG		4.00E-03			<0.2200	<0.2000	<0.2000	<1.1000 UL	<0.2100 UL
2-Nitroaniline	MG/KG		1.60E+00			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
2-Nitrophenol	MG/KG					<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
2-Picoline	MG/KG					<0.1300	<0.1200	<0.1200	<0.6600	<0.1300
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1300	<0.1200	<0.1200	<0.6600	<0.1300
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.6500	<0.6100	<0.6100	<3.3000	<0.6300
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
3-Nitroaniline	MG/KG					<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2200	<0.2000	<0.2000	<1.1000	<0.2100
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2200	<0.2000	<0.2000	<1.1000	<0.2100
4-Bromophenyl Phenyl Ether	MG/KG					<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
4-Chloroaniline	MG/KG		3.20E-03			<0.0220	<0.0200	<0.0200	<0.1100 UL	<0.0210 UL
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
4-Nitroaniline	MG/KG		3.20E-02			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
4-Nitrophenol	MG/KG					<0.2200	<0.2000	<0.2000	<1.1000	<0.2100
4-Nitroquinoline-N-Oxide	MG/KG					<0.4300	<0.4100	<0.4100	<2.2000	<0.4200
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2200	<0.2000	<0.2000	<1.1000	<0.2100
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0040	<0.0040	<0.0040	<0.0220	<0.0040
Acenaphthylene	MG/KG			3.10E-01		<0.0040	<0.0040	<0.0040	<0.0220	<0.0040
Acetophenone	MG/KG		1.16E+01			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
Aniline	MG/KG		9.20E-02			<0.2200	<0.2000	<0.2000	<1.1000	<0.2100
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0040	**0.0040 J**	<0.0040	<0.0220	<0.0040
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.0050 J**	**0.0110 J**	<0.0040	<0.0220	<0.0040
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.0080 J**	**0.0120 J**	<0.0040	**0.0280 J**	<0.0040
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.0080 J**	<0.0040	<0.0040	**0.0300 J**	<0.0040
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**0.0060 J**	<0.0040	<0.0040	<0.0220	<0.0040
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**0.0050 J**	**0.0100 J**	<0.0040	<0.0220	<0.0040
Benzyl Alcohol	MG/KG		9.60E+00			<0.2200	<0.2000	<0.2000	<1.1000	<0.2100
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-11	SWMU192-11	SWMU192-11	SWMU192-12	SWMU192-12
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912575	28912576	28912577	28903394	28903395
					Sample Name	BEL-S-SWMU192-11(0.5-1)	BEL-S-SWMU192-11(14-15)	BEL-S-SWMU192-11(19-20)	BEL-S-SWMU192-12(0.5-1)	BEL-S-SWMU192-12(9-10)
					Date Sampled	02/20/2013	02/20/2013	02/20/2013	02/19/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	14 - 15	19 - 20	0.5 - 1	9 - 10
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Fill	Native Soil
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
Chlorobenzilate	MG/KG		2.00E-02			<0.0430	<0.0410	<0.0410	<0.2200	<0.0420
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.0090 J**	**0.0120 J**	<0.0040	<0.0220	<0.0040
Diallate	MG/KG		1.56E-02			<0.0430	<0.0410	<0.0410	<0.2200	<0.0420
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0040	<0.0040	<0.0040	<0.0220	<0.0040
Dibenzofuran	MG/KG		3.00E+00			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
Diethyl Phthalate	MG/KG		1.22E+02			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
Dimethyl Phthalate	MG/KG					<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
Ethyl Methanesulfonate	MG/KG					<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.0110 J**	**0.0140 J**	**0.0050 J**	**0.0410 J**	<0.0040
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.0040	<0.0040	<0.0040	<0.0220	**0.0050 J**
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040	<0.0040	<0.0040	<0.0220	<0.0040
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2200	<0.2000	<0.2000	<1.1000	<0.2100
Hexachloroethane	MG/KG		4.00E-03			<0.0430	<0.0410	<0.0410	<0.2200	<0.0420
Hexachloropropylene	MG/KG					<0.1300	<0.1200	<0.1200	<0.6600	<0.1300
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		<0.0040	<0.0040	<0.0040	<0.0220	<0.0040
Isodrin	MG/KG					<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
Isophorone	MG/KG		5.20E-01			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
Isosafrole	MG/KG					<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
Methapyrilene	MG/KG					<2.2000	<2.0000	<2.0000	<11.0000	<2.1000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0430	<0.0410	<0.0410	<0.2200	<0.0420
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.033**	**0.0050 J**	<0.0040	<0.0220	**0.0050 J**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
Nitrobenzene	MG/KG		1.84E-03			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
O,O,O-Triethylphosphorothioate	MG/KG					<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
O-Toluidine	MG/KG					<0.2600	<0.2400	<0.2500	<1.3000	<0.2500

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-11	SWMU192-11	SWMU192-11	SWMU192-12	SWMU192-12
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912575	28912576	28912577	28903394	28903395
					Sample Name	BEL-S-SWMU192-11(0.5-1)	BEL-S-SWMU192-11(14-15)	BEL-S-SWMU192-11(19-20)	BEL-S-SWMU192-12(0.5-1)	BEL-S-SWMU192-12(9-10)
					Date Sampled	02/20/2013	02/20/2013	02/20/2013	02/19/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	14 - 15	19 - 20	0.5 - 1	9 - 10
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Fill	Native Soil
para-Phenylenediamine	MG/KG		2.00E+01			<15.0000	<14.0000	<14.0000	<77.0000	<15.0000
Pentachlorobenzene	MG/KG		4.80E-01			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0430	<0.0410	<0.0410	<0.2200	<0.0420
Phenacetin	MG/KG		1.94E-01			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
Phenanthrene	MG/KG			8.70E-01		**0.023**	**0.0170 J**	**0.0060 J**	**0.0300 J**	**0.0050 J**
Phenol	MG/KG		6.60E+01			<0.0220	<0.0200	<0.0200	<0.1100	<0.0210
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.0110 J**	**0.0170 J**	<0.0040	**0.0330 J**	<0.0040
Pyridine	MG/KG		1.36E-01			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
Safrole	MG/KG		1.18E-03			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
Thionazin	MG/KG					<0.0870	<0.0820	<0.0820	<0.4400	<0.0830
Dimethoate	MG/KG		1.80E-02			<0.2200 UL	<0.2000 UL	<0.2000 UL	<1.1000 UL	<0.2100 UL
Pronamide	MG/KG		2.40E+01			<0.0430	<0.0410	<0.0410	<0.2200	<0.0420
Inorganics										
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**0.131 J**	<0.0800	<0.0810	**2.23**	**0.348**
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**5.94**	**6.86**	**6.34**	**2.62**	**8.9**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**153**	**188**	**201**	**179**	**151**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**1.24**	**1.4**	**1.5**	**0.0960 J**	**2.02**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		<0.0430	<0.0400	**0.491 J**	<0.0434	<0.201
Chromium	MG/KG	3.60E+06		4.40E+01		**17.5**	**27.4**	**23.9**	**6.83 K**	**36.8 K**
Cobalt	MG/KG		5.40E+00	2.23E+01		**12.1**	**14.6**	**15.3**	**0.807**	**14.3**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**24.8 L**	**24.4 L**	**21.7 L**	**3880 K**	**65.4 K**
Lead	MG/KG	2.80E+02		1.06E+02		**17.6**	**17.3**	**17.3**	**24**	**15.2**
Mercury	MG/KG	2.00E+00		4.14E+00		**0.0924 J**	**0.0222 J**	**0.0298 J**	**0.152**	**0.0479 J**
Nickel	MG/KG		5.20E+02	2.59E+01		**20.7**	**26.4**	**26.9**	**2.41**	**41.2**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.433 J**	<0.121	<0.123	**0.132 J**	<0.122
Silver	MG/KG		1.60E+01			<0.182	<0.170	<0.172	<0.184	<0.171
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.166**	**0.197**	**0.245**	**0.157**	**0.203**
Tin	MG/KG		6.00E+04			**3.16 B**	**2.54 B**	**2.48 B**	**4.11 B**	**4.67 B**
Vanadium	MG/KG		1.72E+03	6.74E+01		**25.4**	**29.4**	**33.4**	**5.84**	**29.4**
Zinc	MG/KG		7.40E+03	1.33E+02		**82.4**	**89.3**	**90.2**	**7.73 K**	**89.2 K**
Miscellaneous										
Percent Moisture	%					**23.2**	**18.3**	**18.5**	**24.7**	**20.3**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912575	28912576	28912577	28903394	28903395
					Sample Name	BEL-S-SWMU192-11(0.5-1)	BEL-S-SWMU192-11(14-15)	BEL-S-SWMU192-11(19-20)	BEL-S-SWMU192-12(0.5-1)	BEL-S-SWMU192-12(9-10)
					Date Sampled	02/20/2013	02/20/2013	02/20/2013	02/19/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	14 - 15	19 - 20	0.5 - 1	9 - 10
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Native Soil	Fill	Native Soil

Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)						
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	SWMU192-12	SWMU192-13	SWMU192-13	SWMU192-13-1	SWMU192-13-2
					Field Sample ID	28903396	28912572	28912573	SS1113-SWMU192-13-1-0.5	SS1113-SWMU192-13-2-0.5
					Sample Name	BEL-S-SWMU192-12(14-15)	BEL-S-SWMU192-13(0.5-1)	BEL-S-SWMU192-13(7-8)		
					Date Sampled	02/19/2013	02/20/2013	02/20/2013	12/12/2013	12/12/2013
					Start Depth - End Depth	14 - 15	0.5 - 1	7 - 8	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Fill	Fill
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010	<0.0010	<0.0010		
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010	<0.0010	<0.0010		
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010	<0.0010	<0.0010		
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010	<0.0010	<0.0010		
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010	<0.0010	<0.0010		
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010	<0.0010	<0.0010		
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010	<0.0010	<0.0010		
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020	<0.0020	<0.0020 UL		
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010	<0.0010	<0.0010		
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0010	<0.0010	<0.0010		
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010	<0.0010	<0.0010		
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010	<0.0010	<0.0010		
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010	<0.0010		
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0010	<0.0010	<0.0010		
2-Hexanone	MG/KG		1.76E-01			<0.0030	<0.0040	<0.0030 UL		
Acetone	MG/KG		5.80E+01			**0.0080 J**	**0.0180 J**	**0.07**		
Acetonitrile	MG/KG		5.20E-01			<0.0260	<0.0300	<0.0270		
Acrolein	MG/KG		1.68E-04			<0.0210	<0.0240	<0.0220		
Acrylonitrile	MG/KG		2.20E-04			<0.0040	<0.0050	<0.0040		
Allyl Chloride	MG/KG		4.60E-03			<0.0010	<0.0010	<0.0010		
Benzene	MG/KG	5.20E-02	4.60E-03			<0.00050	**0.25**	<0.00050		
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010	<0.0010	<0.0010		
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010	<0.0010	<0.0010		
Carbon Disulfide	MG/KG		4.80E+00			<0.0010	**0.0020 J**	<0.0010		
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010	<0.0010	<0.0010		
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0010	<0.0010	<0.0010		
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010	<0.0010	<0.0010		
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.0010	**0.0040 J**	<0.0010		
Chloroprene	MG/KG		1.96E-04			<0.0010	<0.0010	<0.0010		
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010	<0.0010	<0.0010		
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010		
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020	<0.0020	<0.0020 UL		
Ethyl Chloride	MG/KG		1.18E+02			<0.0020	<0.0020 UL	<0.0020		
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010	<0.0010	<0.0010		
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0010	<0.0010	<0.0010		
Formaldehyde	MG/KG		1.74E-03			**7.9**	**1.6 J**	<1.4		
Iodomethane	MG/KG					<0.0030	<0.0040	<0.0030		
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1000	<0.1200	<0.1100		

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-12	SWMU192-13	SWMU192-13	SWMU192-13-1	SWMU192-13-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28903396	28912572	28912573	SS1113-SWMU192-13-1-0.5	SS1113-SWMU192-13-2-0.5
					Sample Name	BEL-S-SWMU192-12(14-15)	BEL-S-SWMU192-13(0.5-1)	BEL-S-SWMU192-13(7-8)		
					Date Sampled	02/19/2013	02/20/2013	02/20/2013	12/12/2013	12/12/2013
					Start Depth - End Depth	14 - 15	0.5 - 1	7 - 8	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Fill	Fill
Methacrylonitrile	MG/KG		8.60E-03			<0.0050	<0.0060	<0.0050		
Methyl Bromide	MG/KG		3.80E-02			<0.0020	<0.0020 UL	<0.0020		
Methyl Chloride	MG/KG		9.80E-01			<0.0020	<0.0020	<0.0020		
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0040	<0.0050	**0.0060 J**		
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0040	<0.0030		
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010	<0.0010	<0.0010		
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.0010	<0.0010		
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020	<0.0020	<0.0020		
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.0010	<0.0010		
Propionitrile	MG/KG					<0.0310	<0.0360	<0.0330		
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010	<0.0010	<0.0010		
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	**0.0010 J**	<0.0010		
Toluene	MG/KG	1.38E+01	1.52E+01			<0.0010	**0.011**	<0.0010		
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010	<0.0010		
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010		
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0100	<0.0120	<0.0110		
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.0010	<0.0010		
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020	<0.0020		
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020	<0.0020		
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010	<0.0010	<0.0010		
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.0010	<0.0010	<0.0010		
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0210	<0.2000	<0.0210		
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0210	<0.2000	<0.0210		
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2100	<2.0000	<0.2100		
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0830	<0.8000	<0.0830		
1,4-Dioxane	MG/KG		1.88E-03			<0.1200 UL	<1.2000 UL	<0.1200 UL		
1,4-Naphthoquinone	MG/KG					<1.0000	<10.0000	<1.0000		
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01					**0.41**	**0.0230 J**
1-Naphthylamine	MG/KG					<0.2100	<2.0000	<0.2100		
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0830	<0.8000	<0.0830		
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0210	<0.2000	<0.0210		
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0210	<0.2000	<0.0210		
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0210	<0.2000	<0.0210		
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0210	<0.2000	<0.0210		
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3700	<3.6000	<0.3700		
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0830	<0.8000	<0.0830		
2,6-Dichlorophenol	MG/KG					<0.0210	<0.2000	<0.0210		
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0210	<0.2000	<0.0210		

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-12	SWMU192-13	SWMU192-13	SWMU192-13-1	SWMU192-13-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28903396	28912572	28912573	SS1113-SWMU192-13-1-0.5	SS1113-SWMU192-13-2-0.5
					Sample Name	BEL-S-SWMU192-12(14-15)	BEL-S-SWMU192-13(0.5-1)	BEL-S-SWMU192-13(7-8)		
					Date Sampled	02/19/2013	02/20/2013	02/20/2013	12/12/2013	12/12/2013
					Start Depth - End Depth	14 - 15	0.5 - 1	7 - 8	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Fill	Fill
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0830	<0.8000	<0.0830		
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0090	<0.0840	<0.0090		
2-Chlorophenol	MG/KG		1.48E+00			<0.0210	<0.2000	<0.0210		
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		<0.0040	**0.31**	**0.023**	**0.54**	**0.0330 J**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0210	<0.2000	<0.0210		
2-Naphthylamine	MG/KG		4.00E-03			<0.2100 UL	<2.0000	<0.2100		
2-Nitroaniline	MG/KG		1.60E+00			<0.0210	<0.2000	<0.0210		
2-Nitrophenol	MG/KG					<0.0210	<0.2000	<0.0210		
2-Picoline	MG/KG					<0.1200	<1.2000	<0.1200		
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1200	<1.2000	<0.1200		
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.6200	<6.0000	<0.6200		
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0210	<0.2000	<0.0210		
3-Nitroaniline	MG/KG					<0.0830	<0.8000	<0.0830		
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2100	<2.0000	<0.2100		
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2100	<2.0000	<0.2100		
4-Bromophenyl Phenyl Ether	MG/KG					<0.0210	<0.2000	<0.0210		
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0210	<0.2000	<0.0210		
4-Chloroaniline	MG/KG		3.20E-03			<0.0210 UL	<0.2000	<0.0210		
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0210	<0.2000	<0.0210		
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0830	<0.8000	<0.0830		
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0210	<0.2000	<0.0210		
4-Nitroaniline	MG/KG		3.20E-02			<0.0830	<0.8000	<0.0830		
4-Nitrophenol	MG/KG					<0.2100	<2.0000	<0.2100		
4-Nitroquinoline-N-Oxide	MG/KG					<0.4100	<4.0000	<0.4100		
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2100	<2.0000	<0.2100		
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0210	<0.2000	<0.0210		
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0040	<0.0400	<0.0040	**0.0130 J**	<0.0180
Acenaphthylene	MG/KG			3.10E-01		<0.0040	**0.5**	<0.0040	**0.029**	**0.096**
Acetophenone	MG/KG		1.16E+01			<0.0210	**0.6**	<0.0210		
Aniline	MG/KG		9.20E-02			<0.2100	<2.0000	<0.2100		
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0040	**0.68**	<0.0040	**0.034**	**0.14**
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		<0.0040	**2.6**	**0.0070 J**	**0.17**	**0.22**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		<0.0040	**3.4**	**0.0160 J**	**0.27**	**0.55**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		<0.0040	**1.5**	**0.0160 J**	**0.14**	**0.34**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		<0.0040	**1.3**	<0.0040	**0.083**	**0.25**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		<0.0040	**2.5**	**0.0100 J**	**0.16**	**0.36**
Benzyl Alcohol	MG/KG		9.60E+00			<0.2100	<2.0000	<0.2100		
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0210	<0.2000	<0.0210		
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0210	<0.2000	<0.0210		

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-12	SWMU192-13	SWMU192-13	SWMU192-13-1	SWMU192-13-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28903396	28912572	28912573	SS1113-SWMU192-13-1-0.5	SS1113-SWMU192-13-2-0.5
					Sample Name	BEL-S-SWMU192-12(14-15)	BEL-S-SWMU192-13(0.5-1)	BEL-S-SWMU192-13(7-8)		
					Date Sampled	02/19/2013	02/20/2013	02/20/2013	12/12/2013	12/12/2013
					Start Depth - End Depth	14 - 15	0.5 - 1	7 - 8	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Fill	Fill
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0210	<0.2000	<0.0210		
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0830	<0.8000	<0.0830		
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0830	<0.8000	<0.0830		
Chlorobenzilate	MG/KG		2.00E-02			<0.0410	<0.4000	<0.0410		
Chrysene	MG/KG		2.40E+01	1.50E+00		<0.0040	**2.2**	**0.0130 J**	**0.21**	**0.26**
Diallate	MG/KG		1.56E-02			<0.0410	<0.4000	<0.0410		
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0040	**0.4**	<0.0040	**0.031**	**0.12**
Dibenzofuran	MG/KG		3.00E+00			<0.0210	<0.2000	<0.0210		
Diethyl Phthalate	MG/KG		1.22E+02			<0.0830	<0.8000	<0.0830		
Dimethyl Phthalate	MG/KG					<0.0830	<0.8000	<0.0830		
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0830	<0.8000	<0.0830		
Ethyl Methanesulfonate	MG/KG					<0.0830	<0.8000	<0.0830		
Fluoranthene	MG/KG		1.78E+03	1.90E+00		<0.0040	**5.6**	**0.0090 J**	**0.23**	**0.0770 J**
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.0040	**0.39**	<0.0040	**0.0140 J**	<0.0180
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040	<0.0400	<0.0040		
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0210	<0.2000	<0.0210		
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2100	<2.0000	<0.2100		
Hexachloroethane	MG/KG		4.00E-03			<0.0410	<0.4000	<0.0410		
Hexachloropropylene	MG/KG					<0.1200	<1.2000	<0.1200		
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		<0.0040	**1.3**	**0.0080 J**	**0.1**	**0.33**
Isodrin	MG/KG					<0.0210	<0.2000	<0.0210		
Isophorone	MG/KG		5.20E-01			<0.0210	<0.2000	<0.0210		
Isosafrole	MG/KG					<0.0830	<0.8000	<0.0830		
Methapyrilene	MG/KG					<2.1000	<20.0000	<2.1000		
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0410	<0.4000	<0.0410		
Naphthalene	MG/KG		1.08E-02	1.20E+00		<0.0040	**1.3**	**0.021**	**0.41**	**0.0420 J**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0830	<0.8000	<0.0830		
Nitrobenzene	MG/KG		1.84E-03			<0.0210	<0.2000	<0.0210		
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0830	<0.8000	<0.0830		
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0210	<0.2000	<0.0210		
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0830	<0.8000	<0.0830		
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0830	<0.8000	<0.0830		
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0210	<0.2000	<0.0210		
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0210	<0.2000	<0.0210		
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0830	<0.8000	<0.0830		
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0210	<0.2000	<0.0210		
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0210	<0.2000	<0.0210		
O,O,O-Triethylphosphorothioate	MG/KG					<0.0830	<0.8000	<0.0830		
O-Toluidine	MG/KG					<0.2500	<2.4000	<0.2500		

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28903396	28912572	28912573	SS1113-SWMU192-13-1-0.5	SS1113-SWMU192-13-2-0.5
					Sample Name	BEL-S-SWMU192-12(14-15)	BEL-S-SWMU192-13(0.5-1)	BEL-S-SWMU192-13(7-8)		
					Date Sampled	02/19/2013	02/20/2013	02/20/2013	12/12/2013	12/12/2013
					Start Depth - End Depth	14 - 15	0.5 - 1	7 - 8	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Fill	Fill
para-Phenylenediamine	MG/KG		2.00E+01			<14.0000	<140.0000	<14.0000		
Pentachlorobenzene	MG/KG		4.80E-01			<0.0210	<0.2000	<0.0210		
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0830	<0.8000	<0.0830		
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0410	<0.4000	<0.0410		
Phenacetin	MG/KG		1.94E-01			<0.0830	<0.8000	<0.0830		
Phenanthrene	MG/KG			8.70E-01		**0.0070 J**	**2.1**	**0.0190 J**	**0.39**	**0.0600 J**
Phenol	MG/KG		6.60E+01			<0.0210	<0.2000	<0.0210		
Pyrene	MG/KG		2.60E+02	1.50E+00		<0.0040	**4.1**	**0.0180 J**	**0.22**	**0.12**
Pyridine	MG/KG		1.36E-01			<0.0830	<0.8000	<0.0830		
Safrole	MG/KG		1.18E-03			<0.0830	<0.8000	<0.0830		
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0830	<0.8000	<0.0830		
Thionazin	MG/KG					<0.0830	<0.8000	<0.0830		
Dimethoate	MG/KG		1.80E-02			<0.2100 UL	<2.0000 UL	<0.2100 UL		
Pronamide	MG/KG		2.40E+01			<0.0410	<0.4000	<0.0410		
Inorganics										
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**0.140 J**	**0.283**	<0.0801		
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**7.08**	**9.63**	**4.78**		
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**181**	**158**	**163**		
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**1.47**	**0.999**	**1.19**		
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		<0.0406	**0.0434 J**	<0.0400		
Chromium	MG/KG	3.60E+06		4.40E+01		**23.2 K**	**31.8**	**22.6**		
Cobalt	MG/KG		5.40E+00	2.23E+01		**15.1**	**9.01**	**12.3**		
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**20.8 K**	**239 L**	**43.7 L**		
Lead	MG/KG	2.80E+02		1.06E+02		**19**	**36.8**	**56.6**		
Mercury	MG/KG	2.00E+00		4.14E+00		**0.0835 J**	**0.797**	**2.45**		
Nickel	MG/KG		5.20E+02	2.59E+01		**28.7**	**20.1**	**22.6**		
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		<0.123	**1.03**	**0.212 J**		
Silver	MG/KG		1.60E+01			<0.172	**0.600 J**	<0.170		
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.228**	**0.22**	**0.178**		
Tin	MG/KG		6.00E+04			**2.59 B**	**6.05 B**	**2.27 B**		
Vanadium	MG/KG		1.72E+03	6.74E+01		**33.3**	**21.4**	**26**		
Zinc	MG/KG		7.40E+03	1.33E+02		**91.8 K**	**80.5**	**86.5**		
Miscellaneous										
Percent Moisture	%					**20.4**	**17**	**19.2**	**6.7 J**	**5.5 J**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-12	SWMU192-13	SWMU192-13	SWMU192-13-1	SWMU192-13-2
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28903396	28912572	28912573	SS1113-SWMU192-13-1-0.5	SS1113-SWMU192-13-2-0.5
					Sample Name	BEL-S-SWMU192-12(14-15)	BEL-S-SWMU192-13(0.5-1)	BEL-S-SWMU192-13(7-8)		
					Date Sampled	02/19/2013	02/20/2013	02/20/2013	12/12/2013	12/12/2013
					Start Depth - End Depth	14 - 15	0.5 - 1	7 - 8	0.5 - 1	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Native Soil	Fill	Native Soil	Fill	Fill

Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-13-3	SWMU192-2	SWMU192-2	SWMU192-3	SWMU192-3
					Field Sample ID	SS1113-SWMU192-13-3-0.5	28909113	28909114	28912582	28912583
					Sample Name		BEL-S-SWMU192-2(0.5-1)	BEL-S-SWMU192-2(11-12)	BEL-S-SWMU192-3(0.5-1)	BEL-S-SWMU192-3(24-25)
					Date Sampled	12/12/2013	02/22/2013	02/22/2013	02/21/2013	02/21/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	11 - 12	0.5 - 1	24 - 25
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Native Soil	Fill	Native Soil
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03				<0.0010	<0.00090	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01				<0.0010	<0.00090	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04				<0.0010	<0.00090	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03				<0.0010	<0.00090	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02				<0.0010	<0.00090	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00				<0.0010	<0.00090	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06				<0.0010	<0.00090	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06				<0.0020	<0.0020	<0.0020	<0.0020
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05				<0.0010	<0.00090	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00				<0.0010	<0.00090	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04				<0.0010	<0.00090	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03				<0.0010	<0.00090	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG						<0.0010	<0.00090	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03				<0.0010	<0.00090	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01				<0.0030	<0.0030	<0.0040	<0.0030
Acetone	MG/KG		5.80E+01				**0.0110 J**	<0.0060	**0.0150 J**	**0.0090 J**
Acetonitrile	MG/KG		5.20E-01				<0.0260	<0.0230	<0.0310	<0.0250
Acrolein	MG/KG		1.68E-04				<0.0210	<0.0190	<0.0250	<0.0200
Acrylonitrile	MG/KG		2.20E-04				<0.0040	<0.0040	<0.0050	<0.0040
Allyl Chloride	MG/KG		4.60E-03				<0.0010	<0.00090	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03				**0.0020 J**	<0.00050	<0.00060	**0.006**
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04				<0.0010	<0.00090	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02				<0.0010	<0.00090	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00				**0.0020 J**	**0.0010 J**	<0.0010	**0.0020 J**
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03				<0.0010	<0.00090	**0.12**	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00				<0.0010	<0.00090	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04				<0.0010	<0.00090	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03				<0.0010	<0.00090	**0.034**	<0.0010
Chloroprene	MG/KG		1.96E-04				<0.0010	<0.00090	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01				<0.0010	<0.00090	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG						<0.0010	<0.00090	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00				<0.0020	<0.0020	<0.0020	<0.0020
Ethyl Chloride	MG/KG		1.18E+02				<0.0020 UL	<0.0020 UL	<0.0020 UL	<0.0020 UL
Ethyl Methacrylate	MG/KG		2.20E+00				<0.0010	<0.00090	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02				**0.0010 J**	<0.00090	<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03				<1.2	**21**	<1.6	**7.5**
Iodomethane	MG/KG						<0.0030	<0.0030	<0.0040	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01				<0.1100	<0.0930	<0.1200	<0.1000

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-13-3	SWMU192-2	SWMU192-2	SWMU192-3	SWMU192-3
					Field Sample ID	SS1113-SWMU192-13-3-0.5	28909113	28909114	28912582	28912583
					Sample Name		BEL-S-SWMU192-2(0.5-1)	BEL-S-SWMU192-2(11-12)	BEL-S-SWMU192-3(0.5-1)	BEL-S-SWMU192-3(24-25)
					Date Sampled	12/12/2013	02/22/2013	02/22/2013	02/21/2013	02/21/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	11 - 12	0.5 - 1	24 - 25
					Sample Purpose	FS	FS	FS	FS	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill	Fill	Native Soil	Fill	Native Soil
Methacrylonitrile	MG/KG		8.60E-03				<0.0050	<0.0050	<0.0060	<0.0050
Methyl Bromide	MG/KG		3.80E-02				<0.0020 UL	<0.0020 UL	<0.0020 UL	<0.0020 UL
Methyl Chloride	MG/KG		9.80E-01				<0.0020	<0.0020	<0.0020	<0.0020
Methyl Ethyl Ketone	MG/KG		2.40E+01				<0.0040	<0.0040	<0.0050	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00				<0.0030	<0.0030	<0.0040	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00				<0.0010	<0.00090	<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02				<0.0010	<0.00090	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02				<0.0020	<0.0020	<0.0020	<0.0020
Pentachloroethane	MG/KG		6.20E-03				<0.0010	<0.00090	<0.0010	<0.0010
Propionitrile	MG/KG						<0.0320	<0.0280	<0.0370	<0.0310
Styrene	MG/KG	2.20E+00	2.60E+01				<0.0010	<0.00090	<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01				<0.0010	<0.00090	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01				**0.006**	<0.00090	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00				<0.0010	<0.00090	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG						<0.0010	<0.00090	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05				<0.0110	<0.0090	<0.0120	<0.0100
Trichloroethene	MG/KG	3.60E-02	3.60E-03				<0.0010	<0.00090	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01				<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Acetate	MG/KG		1.74E+00				<0.0020	<0.0020	<0.0020	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04				<0.0010	<0.00090	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00				**0.0020 J**	<0.00090	<0.0010	<0.0010
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01				<0.0170	<0.0200	<0.0230	<0.0180
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02				<0.0170	<0.0200	<0.0230	<0.0180
1,3,5-Trinitrobenzene	MG/KG		4.20E+01				<0.1700	<0.2000	<0.2300	<0.1800
1,3-Dinitrobenzene	MG/KG		3.60E-02				<0.0690	<0.0790	<0.0930	<0.0730
1,4-Dioxane	MG/KG		1.88E-03				<0.1000 UL	<0.1200 UL	<0.1400 UL	<0.1100 UL
1,4-Naphthoquinone	MG/KG						<0.8700	<0.9900	<1.2000	<0.9100
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01		**0.11**				
1-Naphthylamine	MG/KG						<0.1700	<0.2000	<0.2300	<0.1800
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01				<0.0690	<0.0790	<0.0930	<0.0730
2,4,5-Trichlorophenol	MG/KG		8.80E+01				<0.0170	<0.0200	<0.0230	<0.0180
2,4,6-Trichlorophenol	MG/KG		3.00E-01				<0.0170	<0.0200	<0.0230	<0.0180
2,4-Dichlorophenol	MG/KG		1.08E+00				<0.0170	<0.0200	<0.0230	<0.0180
2,4-Dimethylphenol	MG/KG		8.40E+00				<0.0170	<0.0200	<0.0230	<0.0180
2,4-Dinitrophenol	MG/KG		8.80E-01				<0.3100	<0.3600	<0.4200	<0.3300
2,4-Dinitrotoluene	MG/KG		6.40E-03				<0.0690	<0.0790	<0.0930	<0.0730
2,6-Dichlorophenol	MG/KG						<0.0170	<0.0200	<0.0230	<0.0180
2,6-Dinitrotoluene	MG/KG		1.34E-03				<0.0170	<0.0200	<0.0230	<0.0180

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	SS1113-SWMU192-13-3-0.5	28909113	28909114	28912582	28912583
					Sample Name		BEL-S-SWMU192-2(0.5-1)	BEL-S-SWMU192-2(11-12)	BEL-S-SWMU192-3(0.5-1)	BEL-S-SWMU192-3(24-25)
					Date Sampled	12/12/2013	02/22/2013	02/22/2013	02/21/2013	02/21/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	11 - 12	0.5 - 1	24 - 25
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill	Native Soil
2-Acetylaminofluorene	MG/KG		1.44E-03				<0.0690	<0.0790	<0.0930	<0.0730
2-Chloronaphthalene	MG/KG		7.60E+01				<0.0070	<0.0080	<0.0100	<0.0080
2-Chlorophenol	MG/KG		1.48E+00				<0.0170	<0.0200	<0.0230	<0.0180
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.15**	**0.13**	<0.0040	**0.029**	**0.0170 J**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01				<0.0170	<0.0200	<0.0230	<0.0180
2-Naphthylamine	MG/KG		4.00E-03				<0.1700	<0.2000	<0.2300	<0.1800
2-Nitroaniline	MG/KG		1.60E+00				<0.0170	<0.0200	<0.0230	<0.0180
2-Nitrophenol	MG/KG						<0.0170	<0.0200	<0.0230	<0.0180
2-Picoline	MG/KG						<0.1000	<0.1200	<0.1400	<0.1100
3,3'-Dichlorobenzidine	MG/KG		1.62E-02				<0.1000	<0.1200	<0.1400	<0.1100
3,3'-Dimethylbenzidine	MG/KG		8.60E-04				<0.5200	<0.6000	<0.7000	<0.5500
3-Methylcholanthrene	MG/KG		4.40E-02				<0.0170	<0.0200	<0.0230	<0.0180
3-Nitroaniline	MG/KG						<0.0690	<0.0790	<0.0930	<0.0730
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02				<0.1700	<0.2000	<0.2300	<0.1800
4-Aminobiphenyl	MG/KG		3.00E-04				<0.1700	<0.2000	<0.2300	<0.1800
4-Bromophenyl Phenyl Ether	MG/KG						<0.0170	<0.0200	<0.0230	<0.0180
4-Chloro-3-Methylphenol	MG/KG		3.40E+01				<0.0170	<0.0200	<0.0230	<0.0180
4-Chloroaniline	MG/KG		3.20E-03				<0.0170	<0.0200	<0.0230	<0.0180
4-Chlorophenyl Phenyl Ether	MG/KG						<0.0170	<0.0200	<0.0230	<0.0180
4-Dimethylaminoazobenzene	MG/KG		4.20E-04				<0.0690	<0.0790	<0.0930	<0.0730
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01				<0.0170	<0.0200	<0.0230	<0.0180
4-Nitroaniline	MG/KG		3.20E-02				<0.0690	<0.0790	<0.0930	<0.0730
4-Nitrophenol	MG/KG						<0.1700	<0.2000	<0.2300	<0.1800
4-Nitroquinoline-N-Oxide	MG/KG						<0.3500	<0.4000	<0.4700	<0.3700
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02				<0.1700	<0.2000	<0.2300	<0.1800
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03				<0.0170	<0.0200	<0.0230	<0.0180
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0170	**0.0040 J**	<0.0040	<0.0050	**0.0080 J**
Acenaphthylene	MG/KG			3.10E-01		<0.0170	**0.0080 J**	<0.0040	**0.0100 J**	<0.0040
Acetophenone	MG/KG		1.16E+01				<0.0170	<0.0200	<0.0230	<0.0180
Aniline	MG/KG		9.20E-02				<0.1700	<0.2000	<0.2300	<0.1800
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0170	**0.0080 J**	<0.0040	**0.0080 J**	<0.0040
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.0390 J**	**0.021**	<0.0040	**0.0190 J**	**0.0070 J**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.0410 J**	**0.04**	<0.0040	**0.04**	**0.0050 J**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.0690 J**	**0.023**	<0.0040	**0.0190 J**	<0.0040
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**0.0200 J**	**0.0120 J**	<0.0040	**0.0100 J**	<0.0040
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		<0.0170	**0.018**	<0.0040	**0.0220 J**	<0.0040
Benzyl Alcohol	MG/KG		9.60E+00				<0.1700	<0.2000	<0.2300	<0.1800
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01				<0.0170	<0.0200	<0.0230	<0.0180
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05				<0.0170	<0.0200	<0.0230	<0.0180

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-13-3	SWMU192-2	SWMU192-2	SWMU192-3	SWMU192-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	SS1113-SWMU192-13-3-0.5	28909113	28909114	28912582	28912583
					Sample Name		BEL-S-SWMU192-2(0.5-1)	BEL-S-SWMU192-2(11-12)	BEL-S-SWMU192-3(0.5-1)	BEL-S-SWMU192-3(24-25)
					Date Sampled	12/12/2013	02/22/2013	02/22/2013	02/21/2013	02/21/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	11 - 12	0.5 - 1	24 - 25
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill	Native Soil
Bis(2-Chloroisopropyl)Ether	MG/KG						<0.0170	<0.0200	<0.0230	<0.0180
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01				<0.0690	<0.0790	<0.0930	<0.0730
Butyl Benzyl Phthalate	MG/KG		4.60E+00				<0.0690	<0.0790	<0.0930	<0.0730
Chlorobenzilate	MG/KG		2.00E-02				<0.0350	<0.0400	<0.0470	<0.0370
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.094**	**0.036**	<0.0040	**0.026**	**0.0070 J**
Diallate	MG/KG		1.56E-02				<0.0350	<0.0400	<0.0470	<0.0370
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		**0.0250 J**	**0.0060 J**	<0.0040	**0.0090 J**	<0.0040
Dibenzofuran	MG/KG		3.00E+00				**0.037**	<0.0200	<0.0230	<0.0180
Diethyl Phthalate	MG/KG		1.22E+02				<0.0690	<0.0790	<0.0930	<0.0730
Dimethyl Phthalate	MG/KG						<0.0690	<0.0790	<0.0930	<0.0730
Di-N-Butyl Phthalate	MG/KG		4.60E+01				<0.0690	<0.0790	<0.0930	<0.0730
Ethyl Methanesulfonate	MG/KG						<0.0690	<0.0790	<0.0930	<0.0730
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.0270 J**	**0.033**	<0.0040	**0.034**	**0.0090 J**
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.0170	**0.0050 J**	<0.0040	<0.0050	<0.0040
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03				<0.0030	<0.0040	<0.0050	<0.0040
Hexachlorobutadiene	MG/KG		5.20E-03				<0.0170	<0.0200	<0.0230	<0.0180
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02				<0.1700	<0.2000	<0.2300	<0.1800
Hexachloroethane	MG/KG		4.00E-03				<0.0350	<0.0400	<0.0470	<0.0370
Hexachloropropylene	MG/KG						<0.1000	<0.1200	<0.1400	<0.1100
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**0.0220 J**	**0.0150 J**	<0.0040	**0.0230 J**	<0.0040
Isodrin	MG/KG						<0.0170	<0.0200	<0.0230	<0.0180
Isophorone	MG/KG		5.20E-01				<0.0170	<0.0200	<0.0230	<0.0180
Isosafrole	MG/KG						<0.0690	<0.0790	<0.0930	<0.0730
Methapyrilene	MG/KG						<1.7000	<2.0000	<2.3000	<1.8000
Methyl Methanesulfonate	MG/KG		3.20E-03				<0.0350	<0.0400	<0.0470	<0.0370
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.0240 J**	**0.097**	**0.0060 J**	**0.029**	**0.075**
N-Dioctyl Phthalate	MG/KG		1.14E+03				<0.0690	<0.0790	<0.0930	<0.0730
Nitrobenzene	MG/KG		1.84E-03				<0.0170	<0.0200	<0.0230	<0.0180
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06				<0.0690	<0.0790	<0.0930	<0.0730
N-Nitrosodiethylamine	MG/KG		1.20E-06				<0.0170	<0.0200	<0.0230	<0.0180
N-Nitrosodimethylamine	MG/KG		5.50E-07				<0.0690	<0.0790	<0.0930	<0.0730
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04				<0.0690	<0.0790	<0.0930	<0.0730
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04				<0.0170	<0.0200	<0.0230	<0.0180
N-Nitrosodiphenylamine	MG/KG		1.32E+00				<0.0170	<0.0200	<0.0230	<0.0180
N-Nitrosomorpholine	MG/KG		5.60E-05				<0.0690	<0.0790	<0.0930	<0.0730
N-Nitrosopiperidine	MG/KG		8.80E-05				<0.0170	<0.0200	<0.0230	<0.0180
N-Nitrosopyrrolidine	MG/KG		2.80E-04				<0.0170	<0.0200	<0.0230	<0.0180
O,O,O-Triethylphosphorothioate	MG/KG						<0.0690	<0.0790	<0.0930	<0.0730
O-Toluidine	MG/KG						<0.2100	<0.2400	<0.2800	<0.2200

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-13-3	SWMU192-2	SWMU192-2	SWMU192-3	SWMU192-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	SS1113-SWMU192-13-3-0.5	28909113	28909114	28912582	28912583
					Sample Name		BEL-S-SWMU192-2(0.5-1)	BEL-S-SWMU192-2(11-12)	BEL-S-SWMU192-3(0.5-1)	BEL-S-SWMU192-3(24-25)
					Date Sampled	12/12/2013	02/22/2013	02/22/2013	02/21/2013	02/21/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	11 - 12	0.5 - 1	24 - 25
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill	Native Soil
para-Phenylenediamine	MG/KG		2.00E+01				<12.0000	<14.0000	<16.0000	<13.0000
Pentachlorobenzene	MG/KG		4.80E-01				<0.0170	<0.0200	<0.0230	<0.0180
Pentachloronitrobenzene	MG/KG		2.80E-02				<0.0690	<0.0790	<0.0930	<0.0730
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03				<0.0350	<0.0400	<0.0470	<0.0370
Phenacetin	MG/KG		1.94E-01				<0.0690	<0.0790	<0.0930	<0.0730
Phenanthrene	MG/KG			8.70E-01		**0.22**	**0.098**	**0.0080 J**	**0.044**	**0.0120 J**
Phenol	MG/KG		6.60E+01				<0.0170	<0.0200	<0.0230	<0.0180
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.097**	**0.028**	<0.0040	**0.027**	**0.0100 J**
Pyridine	MG/KG		1.36E-01				<0.0690	<0.0790	<0.0930	<0.0730
Safrole	MG/KG		1.18E-03				<0.0690	<0.0790	<0.0930	<0.0730
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01				<0.0690	<0.0790	<0.0930	<0.0730
Thionazin	MG/KG						<0.0690	<0.0790	<0.0930	<0.0730
Dimethoate	MG/KG		1.80E-02				<0.1700 UL	<0.2000 UL	<0.2300 UL	<0.1800 UL
Pronamide	MG/KG		2.40E+01				<0.0350	<0.0400	<0.0470	<0.0370
Inorganics										
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00			**0.176 J**	<0.0756	**0.289**	<0.0696
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01			**3.55**	**4.89**	**7.42**	**5.16**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02			**62.1**	**141**	**174**	**54.4**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00			**0.315 J**	**1.07**	**2.57**	**1.15 J**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00			**0.284 J**	<0.0378	**0.228 J**	**0.395 J**
Chromium	MG/KG	3.60E+06		4.40E+01			**21.2**	**16.6**	**21.8**	**12.9**
Cobalt	MG/KG		5.40E+00	2.23E+01			**4.73**	**13**	**17.1**	**9**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01			**27.2 L**	**17.5 L**	**43.4 L**	**9.71 L**
Lead	MG/KG	2.80E+02		1.06E+02			**51.3**	**13.3**	**44.2**	**8.15**
Mercury	MG/KG	2.00E+00		4.14E+00			**0.776**	**0.0456 J**	**4.05**	<0.0110
Nickel	MG/KG		5.20E+02	2.59E+01			**15.6**	**20**	**42.4**	**16.1**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00			**0.189 J**	<0.287	**1.31**	**0.219 J**
Silver	MG/KG		1.60E+01				<0.140	<0.160	<0.190	<0.738
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01			**0.0841 J**	**0.139**	**0.491**	**0.0654 J**
Tin	MG/KG		6.00E+04				**2.14 B**	**2.32 B**	**3.23 B**	**2.12 B**
Vanadium	MG/KG		1.72E+03	6.74E+01			**8.65**	**23.2**	**25.7**	**14.6**
Zinc	MG/KG		7.40E+03	1.33E+02			**63**	**63.9**	**254**	**56.7**
Miscellaneous										
Percent Moisture	%					**4.7 J**	**3.8**	**16.1**	**28.4**	**8.8**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-13-3	SWMU192-2	SWMU192-2	SWMU192-3	SWMU192-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	SS1113-SWMU192-13-3-0.5	28909113	28909114	28912582	28912583
					Sample Name		BEL-S-SWMU192-2(0.5-1)	BEL-S-SWMU192-2(11-12)	BEL-S-SWMU192-3(0.5-1)	BEL-S-SWMU192-3(24-25)
					Date Sampled	12/12/2013	02/22/2013	02/22/2013	02/21/2013	02/21/2013
					Start Depth - End Depth	0.5 - 1	0.5 - 1	11 - 12	0.5 - 1	24 - 25
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Native Soil	Fill	Native Soil

Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)							
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	SWMU192-4	SWMU192-4	SWMU192-4-1	SWMU192-4-1	SWMU192-4-2	SWMU192-4-3
					Field Sample ID	28912579	28912580	SS1113-SWMU192-4-1-3	SS1113-SWMU192-4-1-7	SS1113-SWMU192-4-2-3	SS1113-SWMU192-4-3-3
					Sample Name	BEL-S-SWMU192-4(0.5-1)	BEL-S-SWMU192-4(3-4)				
					Date Sampled	02/21/2013	02/21/2013	12/10/2013	12/10/2013	12/10/2013	12/10/2013
					Start Depth - End Depth	0.5 - 1	3 - 4	3 - 4	7 - 8	3 - 4	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.00090	<0.0010				
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.00090	<0.0010				
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.00090	<0.0010				
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.00090	<0.0010				
1,1-Dichloroethane	MG/KG		1.56E-02			<0.00090	<0.0010				
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.00090	<0.0010				
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.00090	<0.0010				
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020 UL	<0.0020				
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.00090	<0.0010				
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.00090	<0.0010				
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.00090	<0.0010				
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.00090	<0.0010				
1,3-Dichlorobenzene	MG/KG					<0.00090	<0.0010				
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.00090	<0.0010				
2-Hexanone	MG/KG		1.76E-01			<0.0030 UL	<0.0030				
Acetone	MG/KG		5.80E+01			<0.0060	**0.0090 J**				
Acetonitrile	MG/KG		5.20E-01			<0.0230	<0.0290				
Acrolein	MG/KG		1.68E-04			<0.0180	<0.0230				
Acrylonitrile	MG/KG		2.20E-04			<0.0040	<0.0050				
Allyl Chloride	MG/KG		4.60E-03			<0.00090	<0.0010				
Benzene	MG/KG	5.20E-02	4.60E-03			**0.012**	**0.006**				
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.00090	<0.0010				
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.00090	<0.0010				
Carbon Disulfide	MG/KG		4.80E+00			<0.00090	**0.0020 J**				
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.00090	**0.006**				
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.00090	<0.0010				
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.00090	<0.0010				
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.00090	<0.0010				
Chloroprene	MG/KG		1.96E-04			<0.00090	<0.0010				
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.00090	<0.0010				
cis-1,3-Dichloropropene	MG/KG					<0.00090	<0.0010				
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020 UL	<0.0020				
Ethyl Chloride	MG/KG		1.18E+02			<0.0020	<0.0020 UL				
Ethyl Methacrylate	MG/KG		2.20E+00			<0.00090	<0.0010				
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.00090	<0.0010				
Formaldehyde	MG/KG		1.74E-03			<1.3	**2.2 J**				
Iodomethane	MG/KG					<0.0030	<0.0030				
Isobutyl Alcohol	MG/KG		2.40E+01			<0.0910	<0.1200				

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)							
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	SWMU192-4	SWMU192-4	SWMU192-4-1	SWMU192-4-1	SWMU192-4-2	SWMU192-4-3
					Field Sample ID	28912579	28912580	SS1113-SWMU192-4-1-3	SS1113-SWMU192-4-1-7	SS1113-SWMU192-4-2-3	SS1113-SWMU192-4-3-3
					Sample Name	BEL-S-SWMU192-4(0.5-1)	BEL-S-SWMU192-4(3-4)				
					Date Sampled	02/21/2013	02/21/2013	12/10/2013	12/10/2013	12/10/2013	12/10/2013
					Start Depth - End Depth	0.5 - 1	3 - 4	3 - 4	7 - 8	3 - 4	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill
Methacrylonitrile	MG/KG		8.60E-03			<0.0050	<0.0060				
Methyl Bromide	MG/KG		3.80E-02			<0.0020	<0.0020 UL				
Methyl Chloride	MG/KG		9.80E-01			<0.0020	<0.0020				
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0040	<0.0050				
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0030				
Methyl Methacrylate	MG/KG		6.00E+00			<0.00090	<0.0010				
Methylene Bromide	MG/KG		4.00E-02			<0.00090	<0.0010				
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020	<0.0020				
Pentachloroethane	MG/KG		6.20E-03			<0.00090	<0.0010				
Propionitrile	MG/KG					<0.0270	<0.0350				
Styrene	MG/KG	2.20E+00	2.60E+01			<0.00090	<0.0010				
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.00090	<0.0010				
Toluene	MG/KG	1.38E+01	1.52E+01			**0.0030 J**	**0.0010 J**				
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.00090	<0.0010				
trans-1,3-Dichloropropene	MG/KG					<0.00090	<0.0010				
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0090	<0.0120				
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.00090	<0.0010				
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020				
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020				
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.00090	<0.0010				
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.00090	<0.0010				
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0180	<0.0190				
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0180	<0.0190				
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.1800	<0.1800				
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0730	<0.0740				
1,4-Dioxane	MG/KG		1.88E-03			<0.1100 UL	<0.1100 UL				
1,4-Naphthoquinone	MG/KG					<0.9100	<0.9200				
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01				**0.042**	**0.16**	**0.13**	**0.058**
1-Naphthylamine	MG/KG					<0.1800	<0.1800				
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0730	<0.0740				
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0180	<0.0190				
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0180	<0.0190				
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0180	<0.0190				
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.0180	<0.0190				
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3300	**0.3600 J**				
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0730	<0.0740				
2,6-Dichlorophenol	MG/KG					<0.0180	<0.0190				
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0180	<0.0190				

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-4	SWMU192-4	SWMU192-4-1	SWMU192-4-1	SWMU192-4-2	SWMU192-4-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912579	28912580	SS1113-SWMU192-4-1-3	SS1113-SWMU192-4-1-7	SS1113-SWMU192-4-2-3	SS1113-SWMU192-4-3-3
					Sample Name	BEL-S-SWMU192-4(0.5-1)	BEL-S-SWMU192-4(3-4)				
					Date Sampled	02/21/2013	02/21/2013	12/10/2013	12/10/2013	12/10/2013	12/10/2013
					Start Depth - End Depth	0.5 - 1	3 - 4	3 - 4	7 - 8	3 - 4	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0730	<0.0740				
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0080	<0.0080				
2-Chlorophenol	MG/KG		1.48E+00			<0.0180	<0.0190				
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.0120 J**	**0.21**	**0.061**	**0.21**	**0.19**	**0.087**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.0180	<0.0190				
2-Naphthylamine	MG/KG		4.00E-03			<0.1800	<0.1800				
2-Nitroaniline	MG/KG		1.60E+00			<0.0180	<0.0190				
2-Nitrophenol	MG/KG					<0.0180	<0.0190				
2-Picoline	MG/KG					<0.1100	<0.1100				
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1100	<0.1100				
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.5500	<0.5500				
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0180	<0.0190				
3-Nitroaniline	MG/KG					<0.0730	<0.0740				
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.1800	<0.1800				
4-Aminobiphenyl	MG/KG		3.00E-04			<0.1800	<0.1800				
4-Bromophenyl Phenyl Ether	MG/KG					<0.0180	<0.0190				
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0180	<0.0190				
4-Chloroaniline	MG/KG		3.20E-03			<0.0180	<0.0190				
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0180	<0.0190				
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0730	<0.0740				
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.0180	<0.0190				
4-Nitroaniline	MG/KG		3.20E-02			<0.0730	<0.0740				
4-Nitrophenol	MG/KG					<0.1800	<0.1800				
4-Nitroquinoline-N-Oxide	MG/KG					<0.3600	<0.3700				
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.1800	<0.1800				
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0180	<0.0190				
Acenaphthene	MG/KG		1.10E+02	3.40E-02		**0.0160 J**	**0.25**	**0.069**	**0.13**	**0.14**	**0.1300 J**
Acenaphthylene	MG/KG			3.10E-01		**0.0180 J**	**0.61**	**0.26**	**0.96**	**0.51**	**0.3**
Acetophenone	MG/KG		1.16E+01			<0.0180	**0.0260 J**				
Aniline	MG/KG		9.20E-02			<0.1800	<0.1800				
Anthracene	MG/KG		1.16E+03	4.40E-01		**0.046**	**1**	**0.44**	**1**	**0.74**	**1.0000 J**
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.23**	**4.2**	**1.9**	**2.9**	**2.7**	**3.7000 J**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.31**	**5.8**	**2.5**	**4.1**	**4.1**	**4.5000 J**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.16**	**2.8**	**1.3**	**2.1**	**1.8**	**2.4000 J**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**0.16**	**2.3**	**1.1**	**1.4**	**1.5**	**2.1**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**0.22**	**3.8**	**1.8**	**2.8**	**2.5**	**3.3000 J**
Benzyl Alcohol	MG/KG		9.60E+00			<0.1800	<0.1800				
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0180	<0.0190				
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0180	<0.0190				

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912579	28912580	SS1113-SWMU192-4-1-3	SS1113-SWMU192-4-1-7	SS1113-SWMU192-4-2-3	SS1113-SWMU192-4-3-3
					Sample Name	BEL-S-SWMU192-4(0.5-1)	BEL-S-SWMU192-4(3-4)				
					Date Sampled	02/21/2013	02/21/2013	12/10/2013	12/10/2013	12/10/2013	12/10/2013
					Start Depth - End Depth	0.5 - 1	3 - 4	3 - 4	7 - 8	3 - 4	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0180	<0.0190				
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0730	<0.0740				
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0730	<0.0740				
Chlorobenzilate	MG/KG		2.00E-02			<0.0360	<0.0370				
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.24**	**4.2**	**1.9**	**3**	**3.1**	**4.1 J**
Diallate	MG/KG		1.56E-02			<0.0360	<0.0370				
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		**0.035**	**0.67**	**0.37**	**0.5**	**0.56**	**0.65**
Dibenzofuran	MG/KG		3.00E+00			**0.0250 J**	**0.42**				
Diethyl Phthalate	MG/KG		1.22E+02			<0.0730	<0.0740				
Dimethyl Phthalate	MG/KG					<0.0730	<0.0740				
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0730	<0.0740				
Ethyl Methanesulfonate	MG/KG					<0.0730	<0.0740				
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.43**	**10**	**3.3**	**7.1**	**5.9**	**7.2**
Fluorene	MG/KG		1.08E+02	8.50E-02		**0.0080 J**	**0.2**	**0.071**	**0.28**	**0.14**	**0.1500 J**
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040	<0.0040				
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0180	<0.0190				
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.1800	<0.1800				
Hexachloroethane	MG/KG		4.00E-03			<0.0360	<0.0370				
Hexachloropropylene	MG/KG					<0.1100	<0.1100				
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**0.14**	**2.6**	**1.3**	**1.9**	**1.8**	**2.3 J**
Isodrin	MG/KG					<0.0180	<0.0190				
Isophorone	MG/KG		5.20E-01			<0.0180	<0.0190				
Isosafrole	MG/KG					<0.0730	<0.0740				
Methapyrilene	MG/KG					<1.8000	<1.8000				
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0360	<0.0370				
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.021**	**0.59**	**0.15**	**0.83**	**0.41**	**0.21**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0730	<0.0740				
Nitrobenzene	MG/KG		1.84E-03			<0.0180	<0.0190				
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0730	<0.0740				
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0180	<0.0190				
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0730	<0.0740				
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0730	<0.0740				
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0180	<0.0190				
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0180	<0.0190				
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0730	<0.0740				
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0180	<0.0190				
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0180	<0.0190				
O,O,O-Triethylphosphorothioate	MG/KG					<0.0730	<0.0740				
O-Toluidine	MG/KG					<0.2200	<0.2200				

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-4	SWMU192-4	SWMU192-4-1	SWMU192-4-1	SWMU192-4-2	SWMU192-4-3
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912579	28912580	SS1113-SWMU192-4-1-3	SS1113-SWMU192-4-1-7	SS1113-SWMU192-4-2-3	SS1113-SWMU192-4-3-3
					Sample Name	BEL-S-SWMU192-4(0.5-1)	BEL-S-SWMU192-4(3-4)				
					Date Sampled	02/21/2013	02/21/2013	12/10/2013	12/10/2013	12/10/2013	12/10/2013
					Start Depth - End Depth	0.5 - 1	3 - 4	3 - 4	7 - 8	3 - 4	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill
para-Phenylenediamine	MG/KG		2.00E+01			<13.0000	<13.0000				
Pentachlorobenzene	MG/KG		4.80E-01			<0.0180	<0.0190				
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0730	<0.0740				
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0360	<0.0370				
Phenacetin	MG/KG		1.94E-01			<0.0730	<0.0740				
Phenanthrene	MG/KG			8.70E-01		**0.18**	**4.6**	**1.5**	**3.6**	**2.6**	**3.0000 J**
Phenol	MG/KG		6.60E+01			<0.0180	<0.0190				
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.33**	**7.7**	**3.2**	**5.8**	**5**	**6.0000 J**
Pyridine	MG/KG		1.36E-01			<0.0730	<0.0740				
Safrole	MG/KG		1.18E-03			<0.0730	<0.0740				
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0730	<0.0740				
Thionazin	MG/KG					<0.0730	<0.0740				
Dimethoate	MG/KG		1.80E-02			<0.1800 UL	<0.1800 UL				
Pronamide	MG/KG		2.40E+01			<0.0360	<0.0370				
Inorganics											
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**0.127 J**	**0.295**				
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**6.67**	**10.1**				
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**174**	**131**				
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**1.35**	**1.02**				
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		**0.196 J**	**0.284 J**				
Chromium	MG/KG	3.60E+06		4.40E+01		**31.5**	**54.1**				
Cobalt	MG/KG		5.40E+00	2.23E+01		**11.8**	**9.24**				
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**49.1 L**	**236 L**				
Lead	MG/KG	2.80E+02		1.06E+02		**23.4**	**81.6**				
Mercury	MG/KG	2.00E+00		4.14E+00		**0.103**	**2.09**				
Nickel	MG/KG		5.20E+02	2.59E+01		**31.3**	**30.6**				
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.498**	**0.786**				
Silver	MG/KG		1.60E+01			<0.149	**0.627**				
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.205**	**0.222**				
Tin	MG/KG		6.00E+04			**2.70 B**	**3.18 B**				
Vanadium	MG/KG		1.72E+03	6.74E+01		**31.1**	**19.6**				
Zinc	MG/KG		7.40E+03	1.33E+02		**76.4**	**133**				
Miscellaneous											
Percent Moisture	%					**8.5**	**9.9**	**9.6 J**	**9.1 J**	**11.8 J**	**8.6 J**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil

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		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912579	28912580	SS1113-SWMU192-4-1-3	SS1113-SWMU192-4-1-7	SS1113-SWMU192-4-2-3	SS1113-SWMU192-4-3-3
					Sample Name	BEL-S-SWMU192-4(0.5-1)	BEL-S-SWMU192-4(3-4)				
					Date Sampled	02/21/2013	02/21/2013	12/10/2013	12/10/2013	12/10/2013	12/10/2013
					Start Depth - End Depth	0.5 - 1	3 - 4	3 - 4	7 - 8	3 - 4	3 - 4
					Sample Purpose	FS	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill	Fill

Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)						
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Location ID	SWMU192-5	SWMU192-5	SWMU192-6	SWMU192-6	SWMU192-6
					Field Sample ID	28912565	28912566	28912568	28912569	28912570
					Sample Name	BEL-S-SWMU192-5(0.5-1)	BEL-S-SWMU192-5(17-18)	BEL-S-SWMU192-6(0.5-1)	BEL-S-SWMU192-6(23-24)	BEL-S-SWMU192-6(27-28)
					Date Sampled	02/20/2013	02/20/2013	02/21/2013	02/21/2013	02/21/2013
					Start Depth - End Depth	0.5 - 1	17 - 18	0.5 - 1	23 - 24	27 - 28
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Fill	Native Soil
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020 UL	<0.0020 UL	<0.0020	<0.1600	<0.0020 UL
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
2-Hexanone	MG/KG		1.76E-01			<0.0030 UL	<0.0030 UL	<0.0030	<0.2400	<0.0030 UL
Acetone	MG/KG		5.80E+01			**0.027**	**0.0120 J**	<0.0080	<0.5700	**0.0130 J**
Acetonitrile	MG/KG		5.20E-01			<0.0260	<0.0260	<0.0280	<2.0000	<0.0270
Acrolein	MG/KG		1.68E-04			<0.0210 UL	<0.0210	<0.0230	<1.6000	<0.0220
Acrylonitrile	MG/KG		2.20E-04			<0.0040	<0.0040	<0.0050	<0.3300	<0.0040
Allyl Chloride	MG/KG		4.60E-03			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			<0.00050	<0.00050	<0.00060	**0.83**	<0.00050
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Carbon Disulfide	MG/KG		4.80E+00			<0.0010	**0.006**	<0.0010	**0.1400 J**	**0.0020 J**
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Chloroprene	MG/KG		1.96E-04			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020 UL	<0.0020 UL	<0.0020	<0.1600	<0.0020 UL
Ethyl Chloride	MG/KG		1.18E+02			<0.0020	<0.0020	<0.0020 UL	<0.1600	<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Formaldehyde	MG/KG		1.74E-03			**33.0 J**	**36**	<1.4	**18**	**45**
Iodomethane	MG/KG					<0.0030	<0.0030	<0.0030	<0.2400	<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1000	<0.1000	<0.1100	<8.2000	<0.1100

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-5	SWMU192-5	SWMU192-6	SWMU192-6	SWMU192-6
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912565	28912566	28912568	28912569	28912570
					Sample Name	BEL-S-SWMU192-5(0.5-1)	BEL-S-SWMU192-5(17-18)	BEL-S-SWMU192-6(0.5-1)	BEL-S-SWMU192-6(23-24)	BEL-S-SWMU192-6(27-28)
					Date Sampled	02/20/2013	02/20/2013	02/21/2013	02/21/2013	02/21/2013
					Start Depth - End Depth	0.5 - 1	17 - 18	0.5 - 1	23 - 24	27 - 28
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Fill	Native Soil
Methacrylonitrile	MG/KG		8.60E-03			<0.0050	<0.0050	<0.0060	<0.4100	<0.0050
Methyl Bromide	MG/KG		3.80E-02			<0.0020	<0.0020	<0.0020 UL	<0.1600	<0.0020
Methyl Chloride	MG/KG		9.80E-01			<0.0020 UL	<0.0020	<0.0020	<0.1600	<0.0020
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0040	<0.0040	<0.0050	<0.3300	<0.0040
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0030	<0.0030	<0.2400	<0.0030
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020	<0.0020	<0.0020	<0.1600	<0.0020
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Propionitrile	MG/KG					<0.0310	<0.0310	<0.0340	<2.4000	<0.0330
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			<0.0010	<0.0010	<0.0010	**0.0880 J**	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0100	<0.0100	<0.0110	<0.8200	<0.0110
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.0010	<0.0010	<0.0820	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020	<0.0020	<0.1600	<0.0020
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020	<0.0020	<0.1600	<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010 UL	<0.0010	<0.0010	<0.0820	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.0010	<0.0010	<0.0010	**0.1100 J**	<0.0010
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<2.1000	<0.4200	<0.2000	<0.5400	<0.4300
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
1,4-Dioxane	MG/KG		1.88E-03			<1.3000 R	<0.2500 UL	<0.1200 UL	<0.3200 UL	<0.2600 UL
1,4-Naphthoquinone	MG/KG					<10.0000	<2.1000	<0.9900	<2.7000	<2.2000
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01						
1-Naphthylamine	MG/KG					<2.1000 R	<0.4200	<0.2000	<0.5400	<0.4300
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
2,4-Dinitrophenol	MG/KG		8.80E-01			<3.8000	<0.7600	<0.3600	<0.9600	<0.7800
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
2,6-Dichlorophenol	MG/KG					<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-5	SWMU192-5	SWMU192-6	SWMU192-6	SWMU192-6
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912565	28912566	28912568	28912569	28912570
					Sample Name	BEL-S-SWMU192-5(0.5-1)	BEL-S-SWMU192-5(17-18)	BEL-S-SWMU192-6(0.5-1)	BEL-S-SWMU192-6(23-24)	BEL-S-SWMU192-6(27-28)
					Date Sampled	02/20/2013	02/20/2013	02/21/2013	02/21/2013	02/21/2013
					Start Depth - End Depth	0.5 - 1	17 - 18	0.5 - 1	23 - 24	27 - 28
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Fill	Native Soil
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0880	<0.0180	<0.0080	<0.0230	<0.0180
2-Chlorophenol	MG/KG		1.48E+00			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.0690 J**	<0.0080	**0.1**	**0.66**	<0.0090
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.2100	<0.0420	<0.0200	**0.0900 J**	<0.0430
2-Naphthylamine	MG/KG		4.00E-03			<2.1000 R	<0.4200	<0.2000	<0.5400	<0.4300
2-Nitroaniline	MG/KG		1.60E+00			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
2-Nitrophenol	MG/KG					<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
2-Picoline	MG/KG					<1.3000	<0.2500	<0.1200	<0.3200	<0.2600
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<1.3000 R	<0.2500	<0.1200	<0.3200	<0.2600
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<6.3000 R	<1.3000	<0.5900	<1.6000	<1.3000
3-Methylcholanthrene	MG/KG		4.40E-02			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
3-Nitroaniline	MG/KG					<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<2.1000	<0.4200	<0.2000	<0.5400	<0.4300
4-Aminobiphenyl	MG/KG		3.00E-04			<2.1000 R	<0.4200	<0.2000	<0.5400	<0.4300
4-Bromophenyl Phenyl Ether	MG/KG					<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
4-Chloroaniline	MG/KG		3.20E-03			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
4-Chlorophenyl Phenyl Ether	MG/KG					<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.2100	<0.0420	<0.0200	**0.35**	<0.0430
4-Nitroaniline	MG/KG		3.20E-02			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
4-Nitrophenol	MG/KG					<2.1000 R	<0.4200	<0.2000	<0.5400	<0.4300
4-Nitroquinoline-N-Oxide	MG/KG					<4.2000 UL	<0.8400	<0.4000	<1.1000	<0.8700
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<2.1000 R	<0.4200	<0.2000	<0.5400	<0.4300
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0420	<0.0080	**0.0080 J**	**0.13**	<0.0090
Acenaphthylene	MG/KG			3.10E-01		<0.0420	<0.0080	**0.038**	**0.056**	<0.0090
Acetophenone	MG/KG		1.16E+01			<0.2100	<0.0420	<0.0200	**0.53**	<0.0430
Aniline	MG/KG		9.20E-02			<2.1000 R	<0.4200	<0.2000	<0.5400	<0.4300
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0420	<0.0080	**0.039**	**0.13**	<0.0090
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.0960 J**	<0.0080	**0.1**	**0.16**	<0.0090
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.1800 J**	<0.0080	**0.16**	**0.25**	<0.0090
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.0870 J**	<0.0080	**0.069**	**0.093**	<0.0090
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		<0.0420	<0.0080	**0.065**	**0.072**	<0.0090
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**0.1200 J**	<0.0080	**0.095**	**0.06**	<0.0090
Benzyl Alcohol	MG/KG		9.60E+00			<2.1000 R	<0.4200	<0.2000	<0.5400	<0.4300
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-5	SWMU192-5	SWMU192-6	SWMU192-6	SWMU192-6
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912565	28912566	28912568	28912569	28912570
					Sample Name	BEL-S-SWMU192-5(0.5-1)	BEL-S-SWMU192-5(17-18)	BEL-S-SWMU192-6(0.5-1)	BEL-S-SWMU192-6(23-24)	BEL-S-SWMU192-6(27-28)
					Date Sampled	02/20/2013	02/20/2013	02/21/2013	02/21/2013	02/21/2013
					Start Depth - End Depth	0.5 - 1	17 - 18	0.5 - 1	23 - 24	27 - 28
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Fill	Native Soil
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.8400	<0.1700	**0.37**	<0.2100	<0.1700
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.8400	<0.1700	**0.79**	<0.2100	<0.1700
Chlorobenzilate	MG/KG		2.00E-02			<0.4200	<0.0840	<0.0400	<0.1100	<0.0870
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.1200 J**	<0.0080	**0.12**	**0.27**	<0.0090
Diallate	MG/KG		1.56E-02			<0.4200	<0.0840	<0.0400	<0.1100	<0.0870
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0420	<0.0080	**0.022**	**0.0440 J**	<0.0090
Dibenzofuran	MG/KG		3.00E+00			<0.2100	<0.0420	**0.045**	**0.18**	<0.0430
Diethyl Phthalate	MG/KG		1.22E+02			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
Dimethyl Phthalate	MG/KG					<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.8400	<0.1700	**0.1000 J**	<0.2100	<0.1700
Ethyl Methanesulfonate	MG/KG					<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.1600 J**	<0.0080	**0.24**	**0.46**	<0.0090
Fluorene	MG/KG		1.08E+02	8.50E-02		**0.0430 J**	<0.0080	**0.02**	**0.73**	<0.0090
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0420	<0.0080	<0.0040	<0.0110	<0.0090
Hexachlorobutadiene	MG/KG		5.20E-03			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<2.1000 R	<0.4200	<0.2000	<0.5400	<0.4300
Hexachloroethane	MG/KG		4.00E-03			<0.4200	<0.0840	<0.0400	<0.1100	<0.0870
Hexachloropropylene	MG/KG					<1.3000	<0.2500	<0.1200	<0.3200	<0.2600
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**0.0990 J**	<0.0080	**0.055**	**0.0420 J**	<0.0090
Isodrin	MG/KG					<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
Isophorone	MG/KG		5.20E-01			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
Isosafrole	MG/KG					<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
Methapyrilene	MG/KG					<21.0000 R	<4.2000	<2.0000	<5.4000	<4.3000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.4200 R	<0.0840	<0.0400	<0.1100	<0.0870
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.1200 J**	<0.0080	**0.17**	**2.4**	<0.0090
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
Nitrobenzene	MG/KG		1.84E-03			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
O,O,O-Triethylphosphorothioate	MG/KG					<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
O-Toluidine	MG/KG					<2.5000 R	<0.5100	<0.2400	<0.6400	<0.5200

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-5	SWMU192-5	SWMU192-6	SWMU192-6	SWMU192-6
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912565	28912566	28912568	28912569	28912570
					Sample Name	BEL-S-SWMU192-5(0.5-1)	BEL-S-SWMU192-5(17-18)	BEL-S-SWMU192-6(0.5-1)	BEL-S-SWMU192-6(23-24)	BEL-S-SWMU192-6(27-28)
					Date Sampled	02/20/2013	02/20/2013	02/21/2013	02/21/2013	02/21/2013
					Start Depth - End Depth	0.5 - 1	17 - 18	0.5 - 1	23 - 24	27 - 28
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Fill	Native Soil
para-Phenylenediamine	MG/KG		2.00E+01			<150.0000	<29.0000	<14.0000	<38.0000	<30.0000
Pentachlorobenzene	MG/KG		4.80E-01			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.4200	<0.0840	<0.0400	<0.1100	<0.0870
Phenacetin	MG/KG		1.94E-01			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
Phenanthrene	MG/KG			8.70E-01		**0.1000 J**	**0.0100 J**	**0.21**	**0.73**	**0.0090 J**
Phenol	MG/KG		6.60E+01			<0.2100	<0.0420	<0.0200	<0.0540	<0.0430
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.1300 J**	<0.0080	**0.21**	**0.42**	<0.0090
Pyridine	MG/KG		1.36E-01			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
Safrole	MG/KG		1.18E-03			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
Thionazin	MG/KG					<0.8400	<0.1700	<0.0790	<0.2100	<0.1700
Dimethoate	MG/KG		1.80E-02			<2.1000 R	<0.4200 UL	<0.2000 UL	<0.5400 UL	<0.4300 UL
Pronamide	MG/KG		2.40E+01			<0.4200	<0.0840	<0.0400	<0.1100	<0.0870
Inorganics										
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**0.618**	<0.0826	**0.434**	**0.753**	**0.111 J**
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**12.5**	**9.49**	**17.2**	**43.7**	**7.08**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**166**	**199**	**144**	**172**	**218**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**0.858**	**1.65**	**0.906**	**1.21**	**1.66**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		<0.0399	**0.338 J**	**0.252 J**	**0.573 J**	<0.0425
Chromium	MG/KG	3.60E+06		4.40E+01		**196**	**28.2**	**38.9**	**2040**	**28.3**
Cobalt	MG/KG		5.40E+00	2.23E+01		**6.77**	**16**	**8.8**	**10.3**	**16.4**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**1670 L**	**26.9 L**	**158 L**	**228 L**	**21.5 L**
Lead	MG/KG	2.80E+02		1.06E+02		**335**	**20.4**	**66.8**	**62.3**	**20.3**
Mercury	MG/KG	2.00E+00		4.14E+00		**3.35**	**0.0423 J**	**3.23**	**4.78**	**0.0413 J**
Nickel	MG/KG		5.20E+02	2.59E+01		**19.2**	**30.8**	**19.5**	**20.9**	**29.3**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.616**	**0.233 J**	**0.931**	**4.65**	**0.203 J**
Silver	MG/KG		1.60E+01			<0.169	<0.175	**0.296 J**	<0.219	<0.180
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.213**	**0.309**	**0.185**	**0.249**	**0.261**
Tin	MG/KG		6.00E+04			**3.88 B**	**2.56 B**	**3.37 B**	**9.58 J**	**2.80 B**
Vanadium	MG/KG		1.72E+03	6.74E+01		**18.9**	**36.7**	**16.1**	**23.6**	**35.1**
Zinc	MG/KG		7.40E+03	1.33E+02		**821**	**106**	**96.6**	**277**	**98.8**
Miscellaneous										
Percent Moisture	%					**20.4**	**20.9**	**15.8**	**37.8**	**23.1**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-5	SWMU192-5	SWMU192-6	SWMU192-6	SWMU192-6
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28912565	28912566	28912568	28912569	28912570
					Sample Name	BEL-S-SWMU192-5(0.5-1)	BEL-S-SWMU192-5(17-18)	BEL-S-SWMU192-6(0.5-1)	BEL-S-SWMU192-6(23-24)	BEL-S-SWMU192-6(27-28)
					Date Sampled	02/20/2013	02/20/2013	02/21/2013	02/21/2013	02/21/2013
					Start Depth - End Depth	0.5 - 1	17 - 18	0.5 - 1	23 - 24	27 - 28
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Native Soil	Fill	Fill	Native Soil

Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)		Location ID	SWMU192-7	SWMU192-7	SWMU192-8	SWMU192-8	SWMU192-9
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20			Field Sample ID	28903388	28903389	28903391	28903392	28903402
						Sample Name	BEL-S-SWMU192-7(0.5-1)	BEL-S-SWMU192-7(19-20)	BEL-S-SWMU192-8(0.5-1)	BEL-S-SWMU192-8(19-20)	BEL-S-SWMU192-9(0.5-1)
						Date Sampled	02/18/2013	02/18/2013	02/18/2013	02/18/2013	02/19/2013
						Start Depth - End Depth	0.5 - 1	19 - 20	0.5 - 1	19 - 20	0.5 - 1
						Sample Purpose	FS	FS	FS	FS	FS
						Fill or Native Soil	Fill	Fill	Fill	Fill	Fill
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06				<0.0020	<0.0020	<0.0030	<0.0020	<0.0030
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00				<0.0010 UJ	<0.0010	<0.0020 UJ	<0.0010	<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
1,3-Dichlorobenzene	MG/KG						<0.0010 UJ	<0.0010	<0.0020 UJ	<0.0010	<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03				**0.0020 J**	<0.0010	<0.0020 UJ	<0.0010	<0.0010
2-Hexanone	MG/KG		1.76E-01				<0.0030	<0.0030	<0.0050	<0.0030	<0.0040
Acetone	MG/KG		5.80E+01				**0.0160 J**	**0.0080 J**	**0.0410 K**	**0.0080 J**	**0.0150 J**
Acetonitrile	MG/KG		5.20E-01				<0.0280	<0.0270	<0.0440	<0.0240	<0.0350
Acrolein	MG/KG		1.68E-04				<0.0220	<0.0210	<0.0350	<0.0190	<0.0280
Acrylonitrile	MG/KG		2.20E-04				<0.0040	<0.0040	<0.0070	<0.0040	<0.0060
Allyl Chloride	MG/KG		4.60E-03				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03				<0.00060 UJ	<0.00050	<0.00090 UJ	**0.0010 J**	<0.00070
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
Carbon Disulfide	MG/KG		4.80E+00				**0.0020 J**	**0.0010 J**	**0.0020 J**	<0.0010	**0.013**
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03				**0.0040 J**	<0.0010	<0.0020	<0.0010	<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00				<0.0010 UJ	<0.0010	<0.0020 UJ	<0.0010	<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03				<0.0010	<0.0010	**0.0020 J**	<0.0010	<0.0010
Chloroprene	MG/KG		1.96E-04				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
cis-1,3-Dichloropropene	MG/KG						<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00				<0.0020	<0.0020	<0.0030	<0.0020	<0.0030
Ethyl Chloride	MG/KG		1.18E+02				<0.0020 UL	<0.0020 UL	<0.0030	<0.0020	<0.0030
Ethyl Methacrylate	MG/KG		2.20E+00				<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02				<0.0010 UJ	<0.0010	<0.0020 UJ	<0.0010	<0.0010
Formaldehyde	MG/KG		1.74E-03				**1.3 J**	**40**	<1.4	**24**	<1.3
Iodomethane	MG/KG						<0.0030	<0.0030	<0.0050	<0.0030	<0.0040
Isobutyl Alcohol	MG/KG		2.40E+01				<0.1100	<0.1100	<0.1700	<0.0970	<0.1400

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-7	SWMU192-7	SWMU192-8	SWMU192-8	SWMU192-9
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28903388	28903389	28903391	28903392	28903402
					Sample Name	BEL-S-SWMU192-7(0.5-1)	BEL-S-SWMU192-7(19-20)	BEL-S-SWMU192-8(0.5-1)	BEL-S-SWMU192-8(19-20)	BEL-S-SWMU192-9(0.5-1)
					Date Sampled	02/18/2013	02/18/2013	02/18/2013	02/18/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	19 - 20	0.5 - 1	19 - 20	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill
Methacrylonitrile	MG/KG		8.60E-03			<0.0060	<0.0050	<0.0090	<0.0050	<0.0070
Methyl Bromide	MG/KG		3.80E-02			<0.0020 UL	<0.0020 UL	<0.0030	<0.0020	<0.0030
Methyl Chloride	MG/KG		9.80E-01			<0.0020	<0.0020	<0.0030	<0.0020	<0.0030
Methyl Ethyl Ketone	MG/KG		2.40E+01			<0.0040	<0.0040	**0.0080 J**	<0.0040	<0.0060
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030	<0.0030	<0.0050	<0.0030	<0.0040
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010	<0.0010	**0.0040 J**	<0.0010	<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020	<0.0020	<0.0030	<0.0020	<0.0030
Pentachloroethane	MG/KG		6.20E-03			<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
Propionitrile	MG/KG					<0.0340	<0.0320	<0.0520	<0.0290	<0.0420
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010 UJ	<0.0010	<0.0020 UJ	<0.0010	<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010	<0.0010	**0.0030 J**	<0.0010	<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			<0.0010 UJ	<0.0010	<0.0020 UJ	<0.0010	<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0110	<0.0110	<0.0170	<0.0100	<0.0140
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020	<0.0020	<0.0030	<0.0020	<0.0030
Vinyl Acetate	MG/KG		1.74E+00			<0.0020	<0.0020	<0.0030	<0.0020	<0.0030
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.0010 UJ	<0.0010	<0.0020 UJ	<0.0010	<0.0010
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<3.5000	<0.2100	<0.1900	<0.2000	<0.1800
1,3-Dinitrobenzene	MG/KG		3.60E-02			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
1,4-Dioxane	MG/KG		1.88E-03			<2.1000 UL	<0.1300 UL	<0.1200 UL	<0.1200 UL	<0.1100 UL
1,4-Naphthoquinone	MG/KG					<17.0000	<1.1000	<0.9700	<1.0000	<0.9000
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01						
1-Naphthylamine	MG/KG					<3.5000	<0.2100	<0.1900	<0.2000	<0.1800
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
2,4-Dimethylphenol	MG/KG		8.40E+00			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
2,4-Dinitrophenol	MG/KG		8.80E-01			<6.2000	<0.3800	<0.3500	<0.3600	<0.3300
2,4-Dinitrotoluene	MG/KG		6.40E-03			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
2,6-Dichlorophenol	MG/KG					<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-7	SWMU192-7	SWMU192-8	SWMU192-8	SWMU192-9
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28903388	28903389	28903391	28903392	28903402
					Sample Name	BEL-S-SWMU192-7(0.5-1)	BEL-S-SWMU192-7(19-20)	BEL-S-SWMU192-8(0.5-1)	BEL-S-SWMU192-8(19-20)	BEL-S-SWMU192-9(0.5-1)
					Date Sampled	02/18/2013	02/18/2013	02/18/2013	02/18/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	19 - 20	0.5 - 1	19 - 20	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill
2-Acetylaminofluorene	MG/KG		1.44E-03			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
2-Chloronaphthalene	MG/KG		7.60E+01			<0.1500	<0.0090	<0.0080	<0.0080	<0.0080
2-Chlorophenol	MG/KG		1.48E+00			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.2100 J**	**0.16**	**0.073**	**0.025**	**0.063**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
2-Naphthylamine	MG/KG		4.00E-03			<3.5000 UL	<0.2100 UL	<0.1900 UL	<0.2000 UL	<0.1800 UL
2-Nitroaniline	MG/KG		1.60E+00			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
2-Nitrophenol	MG/KG					<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
2-Picoline	MG/KG					<2.1000	<0.1300	<0.1200	<0.1200	<0.1100
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<2.1000	<0.1300	<0.1200	<0.1200	<0.1100
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<10.0000	<0.6300	<0.5800	<0.6000	<0.5400
3-Methylcholanthrene	MG/KG		4.40E-02			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
3-Nitroaniline	MG/KG					<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<3.5000	<0.2100	<0.1900	<0.2000	<0.1800
4-Aminobiphenyl	MG/KG		3.00E-04			<3.5000	<0.2100	<0.1900	<0.2000	<0.1800
4-Bromophenyl Phenyl Ether	MG/KG					<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
4-Chloroaniline	MG/KG		3.20E-03			<0.3500 UL	<0.0210 UL	<0.0190 UL	<0.0200 UL	<0.0180 UL
4-Chlorophenyl Phenyl Ether	MG/KG					<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
4-Nitroaniline	MG/KG		3.20E-02			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
4-Nitrophenol	MG/KG					<3.5000	<0.2100	<0.1900	<0.2000	<0.1800
4-Nitroquinoline-N-Oxide	MG/KG					<6.9000	<0.4200	<0.3900	<0.4000	<0.3600
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<3.5000	<0.2100	<0.1900	<0.2000	<0.1800
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
Acenaphthene	MG/KG		1.10E+02	3.40E-02		<0.0690	**0.023**	**0.0050 J**	<0.0040	**0.0070 J**
Acenaphthylene	MG/KG			3.10E-01		<0.0690	**0.025**	**0.0160 J**	<0.0040	**0.14**
Acetophenone	MG/KG		1.16E+01			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
Aniline	MG/KG		9.20E-02			<3.5000	<0.2100	<0.1900	<0.2000	<0.1800
Anthracene	MG/KG		1.16E+03	4.40E-01		<0.0690	**0.033**	**0.0160 J**	**0.0050 J**	**0.12**
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.1000 J**	**0.025**	**0.059**	**0.0090 J**	**0.26**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.1000 J**	**0.029**	**0.096**	**0.0100 J**	**0.47**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.0880 J**	**0.0130 J**	**0.042**	**0.0070 J**	**0.18**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		<0.0690	**0.0090 J**	**0.032**	**0.0050 J**	**0.18**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**0.0710 J**	**0.0140 J**	**0.046**	**0.0050 J**	**0.24**
Benzyl Alcohol	MG/KG		9.60E+00			<3.5000	<0.2100	<0.1900	<0.2000	<0.1800
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-7	SWMU192-7	SWMU192-8	SWMU192-8	SWMU192-9
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28903388	28903389	28903391	28903392	28903402
					Sample Name	BEL-S-SWMU192-7(0.5-1)	BEL-S-SWMU192-7(19-20)	BEL-S-SWMU192-8(0.5-1)	BEL-S-SWMU192-8(19-20)	BEL-S-SWMU192-9(0.5-1)
					Date Sampled	02/18/2013	02/18/2013	02/18/2013	02/18/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	19 - 20	0.5 - 1	19 - 20	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
Chlorobenzilate	MG/KG		2.00E-02			<0.6900	<0.0420	<0.0390	<0.0400	<0.0360
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.1000 J**	**0.026**	**0.07**	**0.0100 J**	**0.26**
Diallate	MG/KG		1.56E-02			<0.6900	<0.0420	<0.0390	<0.0400	<0.0360
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		<0.0690	<0.0040	**0.0190 J**	<0.0040	**0.052**
Dibenzofuran	MG/KG		3.00E+00			<0.3500	**0.046**	**0.0300 J**	<0.0200	**0.0260 J**
Diethyl Phthalate	MG/KG		1.22E+02			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
Dimethyl Phthalate	MG/KG					<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
Ethyl Methanesulfonate	MG/KG					<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**0.1900 J**	**0.086**	**0.089**	**0.0170 J**	**0.41**
Fluorene	MG/KG		1.08E+02	8.50E-02		<0.0690	**0.042**	**0.0050 J**	**0.0060 J**	**0.0150 J**
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0690	<0.0040	<0.0040	<0.0040	<0.0040
Hexachlorobutadiene	MG/KG		5.20E-03			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<3.5000	<0.2100	<0.1900	<0.2000	<0.1800
Hexachloroethane	MG/KG		4.00E-03			<0.6900	<0.0420	<0.0390	<0.0400	<0.0360
Hexachloropropylene	MG/KG					<2.1000	<0.1300	<0.1200	<0.1200	<0.1100
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		<0.0690	**0.0080 J**	**0.035**	<0.0040	**0.18**
Isodrin	MG/KG					<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
Isophorone	MG/KG		5.20E-01			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
Isosafrole	MG/KG					<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
Methapyrilene	MG/KG					<35.0000	<2.1000	<1.9000	<2.0000	<1.8000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.6900	<0.0420	<0.0390	<0.0400	<0.0360
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.1800 J**	**0.33**	**0.087**	**0.033**	**0.067**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
Nitrobenzene	MG/KG		1.84E-03			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
N-Nitrosodimethylamine	MG/KG		5.50E-07			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
N-Nitrosomorpholine	MG/KG		5.60E-05			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
O,O,O-Triethylphosphorothioate	MG/KG					<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
O-Toluidine	MG/KG					<4.1000	<0.2500	<0.2300	<0.2400	<0.2200

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-7	SWMU192-7	SWMU192-8	SWMU192-8	SWMU192-9
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28903388	28903389	28903391	28903392	28903402
					Sample Name	BEL-S-SWMU192-7(0.5-1)	BEL-S-SWMU192-7(19-20)	BEL-S-SWMU192-8(0.5-1)	BEL-S-SWMU192-8(19-20)	BEL-S-SWMU192-9(0.5-1)
					Date Sampled	02/18/2013	02/18/2013	02/18/2013	02/18/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	19 - 20	0.5 - 1	19 - 20	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill
para-Phenylenediamine	MG/KG		2.00E+01			<240.0000	<15.0000	<14.0000	<14.0000	<13.0000
Pentachlorobenzene	MG/KG		4.80E-01			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
Pentachloronitrobenzene	MG/KG		2.80E-02			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.6900	<0.0420	<0.0390	<0.0400	<0.0360
Phenacetin	MG/KG		1.94E-01			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
Phenanthrene	MG/KG			8.70E-01		**0.2900 J**	**0.15**	**0.12**	**0.029**	**0.16**
Phenol	MG/KG		6.60E+01			<0.3500	<0.0210	<0.0190	<0.0200	<0.0180
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.1500 J**	**0.077**	**0.078**	**0.0200 J**	**0.38**
Pyridine	MG/KG		1.36E-01			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
Safrole	MG/KG		1.18E-03			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
Thionazin	MG/KG					<1.4000	<0.0840	<0.0780	<0.0800	<0.0720
Dimethoate	MG/KG		1.80E-02			<3.5000 UL	<0.2100 UL	<0.1900 UL	<0.2000 UL	<0.1800 UL
Pronamide	MG/KG		2.40E+01			<0.6900	<0.0420	<0.0390	<0.0400	<0.0360
Inorganics										
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**1.6**	**0.335**	**1.87**	**0.383**	**1.12**
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**6.42**	**7.61**	**7.36**	**6.14**	**20.5**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**151**	**119**	**65.8**	**109**	**59.8**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**0.202 J**	**0.932**	**0.358 J**	**0.902**	**0.468 J**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		**0.629**	<0.0410	<0.0373	<0.0393	**0.0856 J**
Chromium	MG/KG	3.60E+06		4.40E+01		**18.0 K**	**16.8 K**	**7.94 K**	**16.7 K**	**13.0 K**
Cobalt	MG/KG		5.40E+00	2.23E+01		**6.94**	**8.71**	**3.16**	**10.1**	**5.12**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**72.9 K**	**56.5 K**	**69.5 K**	**30.4 K**	**84.7 K**
Lead	MG/KG	2.80E+02		1.06E+02		**108**	**54**	**58.7**	**23.2**	**61.1**
Mercury	MG/KG	2.00E+00		4.14E+00		**12.7**	**0.946**	**25**	**0.345**	**8.44**
Nickel	MG/KG		5.20E+02	2.59E+01		**14.7**	**19**	**5.83**	**18.6**	**14.4**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.469**	**0.94**	**1.46**	**0.160 J**	**0.565**
Silver	MG/KG		1.60E+01			**0.339 J**	<0.174	**1.19**	<0.167	<0.152
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.192**	**0.289**	**0.0937 J**	**0.151**	**0.252**
Tin	MG/KG		6.00E+04			**2.83 B**	**3.63 B**	**2.44 B**	**3.13 B**	**3.91 B**
Vanadium	MG/KG		1.72E+03	6.74E+01		**9.46**	**19.3**	**5.41**	**22.4**	**8.06**
Zinc	MG/KG		7.40E+03	1.33E+02		**100 K**	**73.4 K**	**18.8 K**	**64.7 K**	**47.8 K**
Miscellaneous										
Percent Moisture	%					**3.8**	**21.8**	**14.9**	**17.7**	**8.6**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-7	SWMU192-7	SWMU192-8	SWMU192-8	SWMU192-9
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28903388	28903389	28903391	28903392	28903402
					Sample Name	BEL-S-SWMU192-7(0.5-1)	BEL-S-SWMU192-7(19-20)	BEL-S-SWMU192-8(0.5-1)	BEL-S-SWMU192-8(19-20)	BEL-S-SWMU192-9(0.5-1)
					Date Sampled	02/18/2013	02/18/2013	02/18/2013	02/18/2013	02/19/2013
					Start Depth - End Depth	0.5 - 1	19 - 20	0.5 - 1	19 - 20	0.5 - 1
					Sample Purpose	FS	FS	FS	FS	FS
					Fill or Native Soil	Fill	Fill	Fill	Fill	Fill

Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-9
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28903403
					Sample Name	BEL-S-SWMU192-9(15-16)
					Date Sampled	02/19/2013
					Start Depth - End Depth	15 - 16
					Sample Purpose	FS
					Fill or Native Soil	Fill
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	MG/KG		4.40E-03			<0.0010
1,1,1-Trichloroethane	MG/KG	1.40E+00	5.60E+01			<0.0010
1,1,2,2-Tetrachloroethane	MG/KG		6.00E-04			<0.0010
1,1,2-Trichloroethane	MG/KG	3.20E-02	1.78E-03			<0.0010
1,1-Dichloroethane	MG/KG		1.56E-02			<0.0010
1,1-Dichloroethene	MG/KG	5.00E-02	2.00E+00			<0.0010
1,2,3-Trichloropropane	MG/KG		6.40E-06			<0.0010
1,2-Dibromo-3-Chloropropane	MG/KG	1.72E-03	2.88E-06			<0.0020
1,2-Dibromoethane (EDB)	MG/KG	2.80E-04	4.20E-05			<0.0010
1,2-Dichlorobenzene	MG/KG	1.16E+01	6.00E+00			<0.0010
1,2-Dichloroethane	MG/KG	2.80E-02	9.60E-04			<0.0010
1,2-Dichloropropane	MG/KG	3.40E-02	3.00E-03			<0.0010
1,3-Dichlorobenzene	MG/KG					<0.0010
1,4-Dichlorobenzene	MG/KG	1.44E+00	9.20E-03			<0.0010
2-Hexanone	MG/KG		1.76E-01			<0.0030
Acetone	MG/KG		5.80E+01			**0.0150 J**
Acetonitrile	MG/KG		5.20E-01			<0.0270
Acrolein	MG/KG		1.68E-04			<0.0220
Acrylonitrile	MG/KG		2.20E-04			<0.0040
Allyl Chloride	MG/KG		4.60E-03			<0.0010
Benzene	MG/KG	5.20E-02	4.60E-03			<0.00050
Bromodichloromethane	MG/KG	4.40E-01	7.20E-04			<0.0010
Bromoform	MG/KG	4.20E-01	1.74E-02			<0.0010
Carbon Disulfide	MG/KG		4.80E+00			**0.0030 J**
Carbon Tetrachloride	MG/KG	3.80E-02	3.60E-03			<0.0010
Chlorobenzene	MG/KG	1.36E+00	1.06E+00			<0.0010
Chlorodibromomethane	MG/KG	4.20E-01	9.00E-04			<0.0010
Chloroform	MG/KG	4.40E-01	1.22E-03			<0.0010
Chloroprene	MG/KG		1.96E-04			<0.0010
cis-1,2 Dichloroethene	MG/KG	4.20E-01	2.20E-01			<0.0010
cis-1,3-Dichloropropene	MG/KG					<0.0010
Dichlorodifluoromethane	MG/KG		6.00E+00			<0.0020
Ethyl Chloride	MG/KG		1.18E+02			<0.0020
Ethyl Methacrylate	MG/KG		2.20E+00			<0.0010
Ethylbenzene	MG/KG	1.56E+01	3.40E-02			<0.0010
Formaldehyde	MG/KG		1.74E-03			**41**
Iodomethane	MG/KG					<0.0030
Isobutyl Alcohol	MG/KG		2.40E+01			<0.1100

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Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-9
					Field Sample ID	28903403
					Sample Name	BEL-S-SWMU192-9(15-16)
					Date Sampled	02/19/2013
					Start Depth - End Depth	15 - 16
					Sample Purpose	FS
					Fill or Native Soil	Fill
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20			
Methacrylonitrile	MG/KG		8.60E-03			<0.0050
Methyl Bromide	MG/KG		3.80E-02			<0.0020
Methyl Chloride	MG/KG		9.80E-01			<0.0020
Methyl Ethyl Ketone	MG/KG		2.40E+01			**0.0050 J**
Methyl Isobutyl Ketone	MG/KG		5.60E+00			<0.0030
Methyl Methacrylate	MG/KG		6.00E+00			<0.0010
Methylene Bromide	MG/KG		4.00E-02			<0.0010
Methylene Chloride	MG/KG	2.60E-02	5.82E-02			<0.0020
Pentachloroethane	MG/KG		6.20E-03			<0.0010
Propionitrile	MG/KG					<0.0330
Styrene	MG/KG	2.20E+00	2.60E+01			<0.0010
Tetrachloroethene	MG/KG	4.60E-02	1.02E-01			<0.0010
Toluene	MG/KG	1.38E+01	1.52E+01			<0.0010
trans-1,2-Dichloroethene	MG/KG	6.20E-01	2.20E+00			<0.0010
trans-1,3-Dichloropropene	MG/KG					<0.0010
trans-1,4-Dichlorobutene-2	MG/KG		1.24E-05			<0.0110
Trichloroethene	MG/KG	3.60E-02	3.60E-03			<0.0010
Trichlorofluoromethane	MG/KG		1.46E+01			<0.0020
Vinyl Acetate	MG/KG		1.74E+00			<0.0020
Vinyl Chloride	MG/KG	1.38E-02	1.30E-04			<0.0010
Xylenes	MG/KG	1.96E+02	3.80E+00			<0.0010
Semi-Volatile Organic Compounds						
1,2,4,5-Tetrachlorobenzene	MG/KG		1.58E-01			<0.0210
1,2,4-Trichlorobenzene	MG/KG	4.00E+00	6.60E-02			<0.0210
1,3,5-Trinitrobenzene	MG/KG		4.20E+01			<0.2100
1,3-Dinitrobenzene	MG/KG		3.60E-02			<0.0830
1,4-Dioxane	MG/KG		1.88E-03			<0.1200 UL
1,4-Naphthoquinone	MG/KG					<1.0000
1-Methylnaphthalene	MG/KG		1.16E-01	3.50E-01		
1-Naphthylamine	MG/KG					<0.2100
2,3,4,6-Tetrachlorophenol	MG/KG		3.00E+01			<0.0830
2,4,5-Trichlorophenol	MG/KG		8.80E+01			<0.0210
2,4,6-Trichlorophenol	MG/KG		3.00E-01			<0.0210
2,4-Dichlorophenol	MG/KG		1.08E+00			<0.0210
2,4-Dimethylphenol	MG/KG		8.40E+00			**0.049**
2,4-Dinitrophenol	MG/KG		8.80E-01			<0.3700
2,4-Dinitrotoluene	MG/KG		6.40E-03			<0.0830
2,6-Dichlorophenol	MG/KG					<0.0210
2,6-Dinitrotoluene	MG/KG		1.34E-03			<0.0210

Summary of Analytical Results - SWMUs 190 and 192 - Comparison to SSLs
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area
Belle, West Virginia

Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-9
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28903403
					Sample Name	BEL-S-SWMU192-9(15-16)
					Date Sampled	02/19/2013
					Start Depth - End Depth	15 - 16
					Sample Purpose	FS
					Fill or Native Soil	Fill
2-Acetylaminofluorene	MG/KG		1.44E-03			<0.0830
2-Chloronaphthalene	MG/KG		7.60E+01			<0.0090
2-Chlorophenol	MG/KG		1.48E+00			<0.0210
2-Methylnaphthalene	MG/KG		3.80E+00	4.70E-01		**0.29**
2-Methylphenol (O-Cresol)	MG/KG		1.50E+01			**0.0350 J**
2-Naphthylamine	MG/KG		4.00E-03			<0.2100 UL
2-Nitroaniline	MG/KG		1.60E+00			<0.0210
2-Nitrophenol	MG/KG					<0.0210
2-Picoline	MG/KG					<0.1200
3,3'-Dichlorobenzidine	MG/KG		1.62E-02			<0.1200
3,3'-Dimethylbenzidine	MG/KG		8.60E-04			<0.6200
3-Methylcholanthrene	MG/KG		4.40E-02			<0.0210
3-Nitroaniline	MG/KG					<0.0830
4,6-Dinitro-2-Methylphenol	MG/KG		5.20E-02			<0.2100
4-Aminobiphenyl	MG/KG		3.00E-04			<0.2100
4-Bromophenyl Phenyl Ether	MG/KG					<0.0210
4-Chloro-3-Methylphenol	MG/KG		3.40E+01			<0.0210
4-Chloroaniline	MG/KG		3.20E-03			<0.0210 UL
4-Chlorophenyl Phenyl Ether	MG/KG					<0.0210
4-Dimethylaminoazobenzene	MG/KG		4.20E-04			<0.0830
4-Methylphenol (P-Cresol)	MG/KG		3.00E+01			**0.067**
4-Nitroaniline	MG/KG		3.20E-02			<0.0830
4-Nitrophenol	MG/KG					<0.2100
4-Nitroquinoline-N-Oxide	MG/KG					<0.4100
5-Nitro-Ortho-Toluidine	MG/KG		9.00E-02			<0.2100
7,12-Dimethylbenz[A]Anthracene	MG/KG		1.98E-03			<0.0210
Acenaphthene	MG/KG		1.10E+02	3.40E-02		**0.29**
Acenaphthylene	MG/KG			3.10E-01		**0.27**
Acetophenone	MG/KG		1.16E+01			<0.0210
Aniline	MG/KG		9.20E-02			<0.2100
Anthracene	MG/KG		1.16E+03	4.40E-01		**0.33**
Benzo(A)Anthracene	MG/KG		8.50E-02	8.90E-01		**0.28**
Benzo(B)Fluoranthene	MG/KG		8.20E-01	1.60E+00		**0.51**
Benzo(G,H,I)Perylene	MG/KG			6.10E-01		**0.26**
Benzo(K)Fluoranthene	MG/KG		8.00E+00	6.40E-01		**0.19**
Benzo[A]Pyrene	MG/KG	4.80E+00	8.00E-02	6.90E-01		**0.34**
Benzyl Alcohol	MG/KG		9.60E+00			<0.2100
Bis(2-Chloroethoxy)Methane	MG/KG		2.60E-01			<0.0210
Bis(2-Chloroethyl)Ether	MG/KG		7.20E-05			<0.0210

Summary of Analytical Results - SWMUs 190 and 192 - Comparison to SSLs
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area
Belle, West Virginia

Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-9
					Field Sample ID	28903403
					Sample Name	BEL-S-SWMU192-9(15-16)
					Date Sampled	02/19/2013
					Start Depth - End Depth	15 - 16
					Sample Purpose	FS
					Fill or Native Soil	Fill
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20			
Bis(2-Chloroisopropyl)Ether	MG/KG					<0.0210
Bis(2-Ethylhexyl)Phthalate	MG/KG	2.80E+01	2.60E+01			<0.0830
Butyl Benzyl Phthalate	MG/KG		4.60E+00			<0.0830
Chlorobenzilate	MG/KG		2.00E-02			<0.0410
Chrysene	MG/KG		2.40E+01	1.50E+00		**0.29**
Diallate	MG/KG		1.56E-02			<0.0410
Dibenz(A,H)Anthracene	MG/KG		2.60E-01	2.00E-01		**0.048**
Dibenzofuran	MG/KG		3.00E+00			**0.23**
Diethyl Phthalate	MG/KG		1.22E+02			<0.0830
Dimethyl Phthalate	MG/KG					<0.0830
Di-N-Butyl Phthalate	MG/KG		4.60E+01			<0.0830
Ethyl Methanesulfonate	MG/KG					<0.0830
Fluoranthene	MG/KG		1.78E+03	1.90E+00		**1.1**
Fluorene	MG/KG		1.08E+02	8.50E-02		**0.29**
Hexachlorobenzene	MG/KG	2.60E-01	2.40E-03			<0.0040
Hexachlorobutadiene	MG/KG		5.20E-03			<0.0210
Hexachlorocyclopentadiene	MG/KG	3.20E+00	2.60E-02			<0.2100
Hexachloroethane	MG/KG		4.00E-03			<0.0410
Hexachloropropylene	MG/KG					<0.1200
Indeno (1,2,3-CD) Pyrene	MG/KG		2.60E+00	5.70E-01		**0.24**
Isodrin	MG/KG					<0.0210
Isophorone	MG/KG		5.20E-01			<0.0210
Isosafrole	MG/KG					<0.0830
Methapyrilene	MG/KG					<2.1000
Methyl Methanesulfonate	MG/KG		3.20E-03			<0.0410
Naphthalene	MG/KG		1.08E-02	1.20E+00		**0.54**
N-Dioctyl Phthalate	MG/KG		1.14E+03			<0.0830
Nitrobenzene	MG/KG		1.84E-03			<0.0210
N-Nitroso(Methyl)Ethylamine	MG/KG		4.00E-06			<0.0830
N-Nitrosodiethylamine	MG/KG		1.20E-06			<0.0210
N-Nitrosodimethylamine	MG/KG		5.50E-07			<0.0830
N-Nitroso-Di-N-Butylamine	MG/KG		1.10E-04			<0.0830
N-Nitrosodi-N-Propylamine	MG/KG		1.62E-04			<0.0210
N-Nitrosodiphenylamine	MG/KG		1.32E+00			<0.0210
N-Nitrosomorpholine	MG/KG		5.60E-05			<0.0830
N-Nitrosopiperidine	MG/KG		8.80E-05			<0.0210
N-Nitrosopyrrolidine	MG/KG		2.80E-04			<0.0210
O,O,O-Triethylphosphorothioate	MG/KG					<0.0830
O-Toluidine	MG/KG					<0.2500

Summary of Analytical Results - SWMUs 190 and 192 - Comparison to SSLs
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area
Belle, West Virginia

Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-9
					Field Sample ID	28903403
					Sample Name	BEL-S-SWMU192-9(15-16)
					Date Sampled	02/19/2013
					Start Depth - End Depth	15 - 16
					Sample Purpose	FS
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Fill or Native Soil	Fill
para-Phenylenediamine	MG/KG		2.00E+01			<14.0000
Pentachlorobenzene	MG/KG		4.80E-01			<0.0210
Pentachloronitrobenzene	MG/KG		2.80E-02			<0.0830
Pentachlorophenol	MG/KG	2.00E-01	8.00E-03			<0.0410
Phenacetin	MG/KG		1.94E-01			<0.0830
Phenanthrene	MG/KG			8.70E-01		**1.1**
Phenol	MG/KG		6.60E+01			<0.0210
Pyrene	MG/KG		2.60E+02	1.50E+00		**0.84**
Pyridine	MG/KG		1.36E-01			<0.0830
Safrole	MG/KG		1.18E-03			<0.0830
Tetraethyl Dithiopyrophosphate	MG/KG		1.04E-01			<0.0830
Thionazin	MG/KG					<0.0830
Dimethoate	MG/KG		1.80E-02			<0.2100 UL
Pronamide	MG/KG		2.40E+01			<0.0410
Inorganics						
Antimony	MG/KG	5.40E+00	7.00E+00	1.43E+00		**0.201 J**
Arsenic	MG/KG	5.80E+00	3.00E-02	2.20E+01		**5.79**
Barium	MG/KG	1.64E+03	3.20E+03	2.62E+02		**149**
Beryllium	MG/KG	6.40E+01	3.80E+02	2.23E+00		**0.994**
Cadmium	MG/KG	7.60E+00	1.38E+01	1.37E+00		<0.0396
Chromium	MG/KG	3.60E+06		4.40E+01		**18.4 K**
Cobalt	MG/KG		5.40E+00	2.23E+01		**11.1**
Copper	MG/KG	9.20E+02	5.60E+02	8.86E+01		**26.1 K**
Lead	MG/KG	2.80E+02		1.06E+02		**33.5**
Mercury	MG/KG	2.00E+00		4.14E+00		**0.21**
Nickel	MG/KG		5.20E+02	2.59E+01		**19.9**
Selenium	MG/KG	5.20E+00	1.04E+01	2.19E+00		**0.178 J**
Silver	MG/KG		1.60E+01			<0.168
Thallium	MG/KG	2.80E+00	2.80E-01	4.09E-01		**0.131**
Tin	MG/KG		6.00E+04			**2.81 B**
Vanadium	MG/KG		1.72E+03	6.74E+01		**23.7**
Zinc	MG/KG		7.40E+03	1.33E+02		**88.6 K**
Miscellaneous						
Percent Moisture	%					**19.9**

Footnotes:
1) Criteria
EPA Regional SL for protection of migration to groundwater (SSL) with a dilution attenuation factor (DAF) of 20 (MCL-based and risk-based values)
SSL is applicable to unsaturated zone soil

Summary of Analytical Results - SWMUs 190 and 192 - Comparison to SSLs
Comprehensive RCRA Facility Investigation Report
Chemours Belle Plant Area
Belle, West Virginia

Analyte	Units	EPA Regional SL (1)		Historical Fill 95%UTL (2)	Location ID	SWMU192-9
		EPA SSL MCL-Based DAF=20	EPA SSL Risk-Based DAF=20		Field Sample ID	28903403
					Sample Name	BEL-S-SWMU192-9(15-16)
					Date Sampled	02/19/2013
					Start Depth - End Depth	15 - 16
					Sample Purpose	FS
					Fill or Native Soil	Fill

Screening Criteria Notes:
Mercury value shown is the SSL for elemental mercury (MCL-based).

2) Site-specific historically fill concentration summarized in Table 5.3.

Notes:
Bold = Detected Concentration
< = Non Detect at Stated Reporting Limit
Blue Shaded Cells = Concentration above the SSL (lower of the EPA risk-based SSL or the MCL-based SSL) and the Historic Fill 95% UTL (where applicable)
Gray Shaded Cells = Reporting Limit above Screening Criteria
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
K-Analyte present; reported value may be biased high when the actual value is expected to be lower
L-Analyte present; reported value may be biased low when the actual value is expected to be higher
UJ-Not detected; reporting limit may not be accurate or precise

Appendix F

Plant Area SWMU/AOC Photographs (February and March 2012)

Appendix F-1

SWMUs and AOCs Investigated During Phase IV

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Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
1	3/7/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 32 (Former OSD Hazardous Waste Storage Tank (ID No. 3A)); SWMU 33 (Former OSD Hazardous Waste Storage Tank (ID No. 3B)); SWMU 34 (Former OSD Hazardous Waste Storage Tank (ID No. 3C)); SWMU 35 (Former OSD Hazardous Waste Storage Tank (ID No. 3D))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\32 33 34 35.JPG

Photo No.:	Date:	Time:
2	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 41A (Vazo Loading/Unloading Areas)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\41A.JPG

AECOM

Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
3	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 48 (Former Ag-Mature SBU Waste Loading Area)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\48.JPG

Photo No.:	Date:	Time:
4	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 53 (HP-3) (Ag-Mature SBU Wet Benlate Trench and Sump System)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\53.JPG

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Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
5	3/2/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 54 (Former Ag-Mature SBU Brine Treatment System-Former Raw Waste Storage Tank)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\54.JPG

Photo No.:	Date:	Time:
6	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 58 (Ag-Mature SBU Brine Treatment System-Ammonia Stripper)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\58.JPG

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Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
7	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 64 (Former MDA Tar Storage Tank); SWMU 67 (Former MDA Trench and Sump System)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\64 65 66 67 68 69.JPG

Photo No.:	Date:	Time:
8	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 72 (Former MDA Deep Well Storage Tank)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\72.JPG

AECOM

Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
9	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description:

SWMU 73 (Former PACM Heel Tank No. 1); SWMU 74 (Former PACM Heel Tank No. 2); SWMU 75 (Former PACM Waste Tank No. 1); SWMU 76 (Former PACM Waste Tank No. 2); SWMU 79 (Former PACM Unloading/Loading Area); SWMU 80 (PACM Area Trench and Sump System)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\73 74 75 76 79 80.JPG

Photo No.:	Date:	Time:
10		

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description:

SWMU 97 (Methacrylate Trench and Sump System (see SLM Area))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\No Image.JPG

No Image Available

Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
11	3/7/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 105 (SLM Area) (SLM Indoor Trench and Sump System)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\105.JPG

Photo No.:	Date:	Time:
12	3/1/2012	

Direction Photo Taken (if applicable):

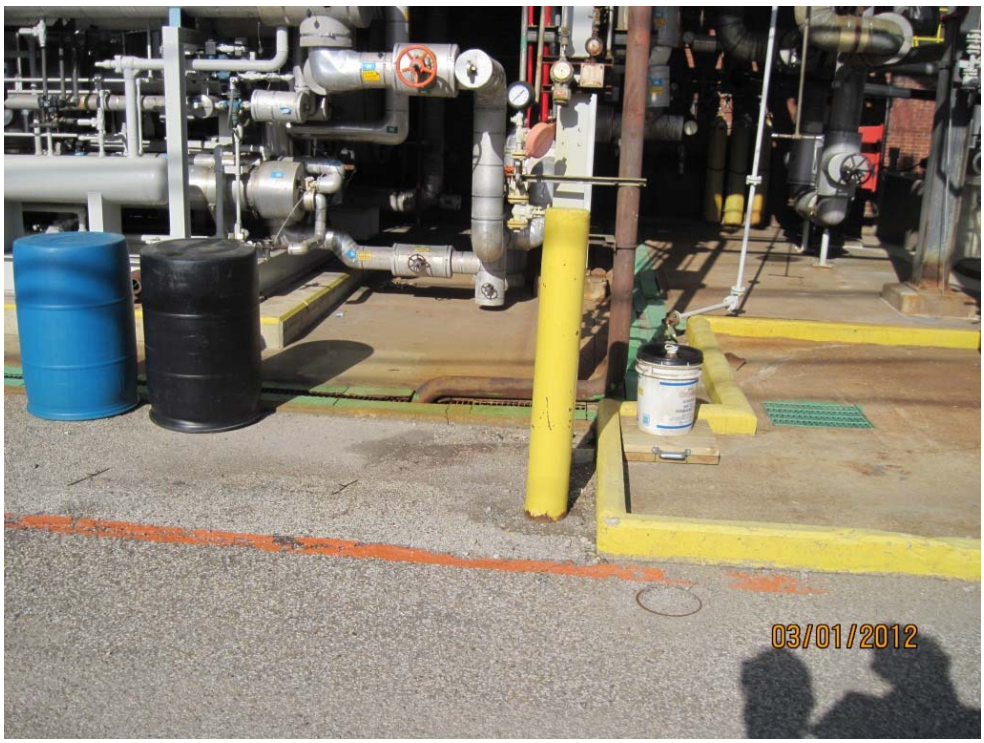
Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 106 (SLM Area) (SLM Outdoor Trench and Sump System) (See Photo 12)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\106.JPG



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Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
13	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 106 (SLM Area) (SLM Outdoor Trench and Sump System) (See Photo 11)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\106 #2.JPG

Photo No.:	Date:	Time:
14		

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 109 (SLM Area) (SLM Satellite Accumulation Areas)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\No Image.JPG

No Image Available

Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
15	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 115 (C&P West Trench and Sump System)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\115.JPG

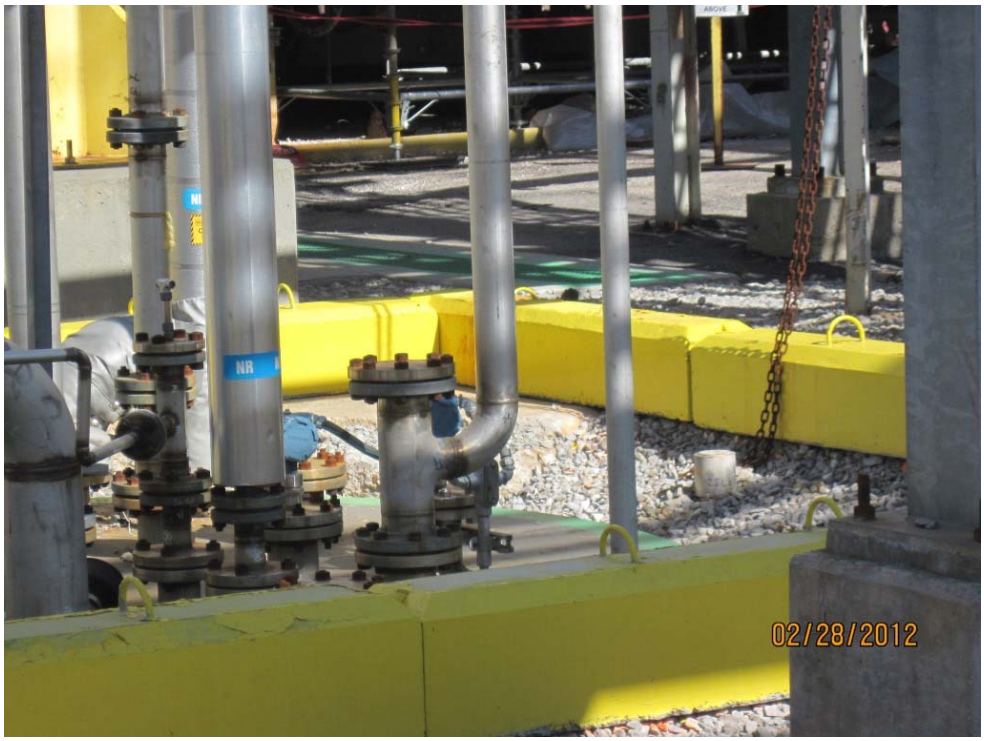

Photo No.:	Date:	Time:
16	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 121 (Former location of HCO Oil Storage Tank)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\121 126.JPG

AECOM

Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
17	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 122 (Former location of HCO Waste Lubricating Oil Collection Sumps)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\122.JPG

Photo No.:	Date:	Time:
18		

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 145 (WCS Facility Sewer Lines)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\No Image.JPG

No Image Available

AECOM

Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
19	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 146 (WCS Pumping Station)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\146.JPG

Photo No.:	Date:	Time:
20	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 147 (WCS Pumping Station)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\147.JPG

AECOM

Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
21	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 148 (WCS Pumping Station (#4))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\148.JPG

Photo No.:	Date:	Time:
22	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 149 (SLM Area) (WCS Pumping Station)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\149.JPG

Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
23	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 150 (WCS #11 Pumping Station)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\150.JPG

Photo No.:	Date:	Time:
24	2/22/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 151 (WCS Pumping Station)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\151.JPG

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Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
25	2/22/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 152 (Former WCS Pumping Station)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\152.JPG

Photo No.:	Date:	Time:
26	3/2/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 153 (WCS Pumping Station)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\153.JPG

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Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
27	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 154 (SWMU 72) (WCS Pumping Station)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\154.JPG

Photo No.:	Date:	Time:
28	2/22/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 155 (WCS Pumping Station)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\155.JPG

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Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
29	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 157 (WCS Pumping Station)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\157.JPG

Photo No.:	Date:	Time:
30	2/22/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 158 (Former WCS Pumping Station)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\158.JPG

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Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
31	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 160 (WCS-North Flume)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\160.JPG

Photo No.:	Date:	Time:
32	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 161 (WCS-South Flume)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\161.JPG

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Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
33	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 189 (Hexazinone Waste Brine Railcars)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\189.JPG

Photo No.:	Date:	Time:
34	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 190 (Former ACN Spill Tank)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\190.JPG

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Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
35	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 191 (Inactive Disposal Area 8) (See Photo 35)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\191 looking E.JPG

Photo No.:	Date:	Time:
36	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 191 (Inactive Disposal Area 8) (See Photo 34)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\191 looking W.JPG

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Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
37		

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 192 (Inactive Disposal Area 9)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\No Image.JPG

No Image Available

Photo No.:	Date:	Time:
38	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: AOC A (Former Coke Plant and Benzol Process Area)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\AOC A.JPG

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Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
39	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: AOC E (Underground Fuel Storage Tanks)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\AOC E.JPG

Photo No.:	Date:	Time:
40		

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: AOC F (Formaldehyde Spill)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\No Image.JPG

No Image Available

AECOM

Appendix F-1
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
41	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
AOC G (Sulfuric Acid Spill)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area\AOC G.JPG

Appendix F-2

SWMUs and AOCs Not Investigated During Phase IV

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
1	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 2 (SSS Wastewater Tank No. 4); SWMU 3 (SSS Wastewater Tank No. 5); SWMU 12 (Former SSS Wastewater Tank No. 3 (Tank ID No. 73)); SWMU 13 (Former SSS Wastewater Tank No. 6 (Tank ID No. 74))

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\2 3 12 13.JPG

Photo No.:	Date:	Time:
2	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 4 (SSS D-2 Tank); SWMU 14 (Former SSS Calgon Treatment System); SWMU 156 (WCS Pumping Station)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\4 14 156.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
3	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 1 (SSS Wastewater Tank No. 1); SWMU 5 (SSS BEB Heel Pot Tank); SWMU 6 (SSS Receiver Tank); SWMU 7 (SSS Methylene Chloride Still); SWMU 8 (SSS Unidentified Contents Drum Storage Areas); SWMU 9 (SSS Trench and Sump System); SWMU 10 (SSS Loading/Unloading Areas); SWMU 11 (Former SSS Container Storage Area C)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\10 1 9 5 6 7 11 8 .JPG

Photo No.:	Date:	Time:
4	3/7/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 15 (OSD Coal/Waste Fired Boiler #6); SWMU 16 (OSD Coal/Waste Fired Boiler #9); SWMU 17 (OSD Coal/Waste Fired Boiler #10); SWMU 18 (OSD Coal/Waste Fired Boiler #14); SWMU 19 (OSD Coal/Waste Fired Boiler #15)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\bottom of a boiler.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
5	3/7/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 20 (OSD Electrostatic Precipitator No. 2); SWMU 21 (OSD Electrostatic Precipitator No. 5); SWMU 22 (OSD Electrostatic Precipitator No. 3)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\precipitator.JPG

Photo No.:	Date:	Time:
6	2/22/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 23 (OSD Fly Ash Silo and Baghouse)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\23.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
7	3/7/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 24 (OSD Indoor Trench and Sump System)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\24.JPG

Photo No.:	Date:	Time:
8	3/7/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 25 (OSD Bottom Ash Collection Tank)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\25.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
9	2/22/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 26 (OSD Unloading Area)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\26.JPG

Photo No.:	Date:	Time:
10	2/22/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 27 (OSD Pad Tank)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\27.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
11	2/22/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description:

SWMU 28 (OSD Hazardous Waste Tank No. 1 (ID No. 4A)); SWMU 29 (OSD Hazardous Waste Tank No. 2 (ID No. 4B)); SWMU 30 (OSD Hazardous Waste Tank No. 3 (ID No. 4C))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\28 29 30.JPG

Photo No.:	Date:	Time:
12	2/22/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description:

SWMU 31 (OSD Trench and Sump System)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\31.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
13	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description:

SWMU 36 (Vazo AN Hazardous Waste Tank (ID No. 24)); SWMU 42 (Former Vazo Hazardous Waste Tank (ID No. 25)); SWMU 43 (Former Vazo Hazardous Waste Tank (ID No. 26))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\36 42 43.JPG

Photo No.:	Date:	Time:
14	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description:

SWMU 37 (Vazo (new) Hazardous Waste Tank)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\37.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
15	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 38 (Vazo Trench and Sump System); SWMU 39 (Vazo Seal Pot)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\3839.JPG

Photo No.:	Date:	Time:
16	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 40 (Vazo Container Storage Area M)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\40.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
17	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 41B (Vazo Loading/Unloading Areas)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\41B.JPG

Photo No.:	Date:	Time:
18	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 42 (Former Vazo Hazardous Waste Tank (ID No. 25)); SWMU 43 (Former Vazo Hazardous Waste Tank (ID No. 26))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\4243.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
19	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 44 (Former Vazo Container Storage Area L)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\44.JPG

Photo No.:	Date:	Time:
20	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 45 (Former Vazo Container Storage Area N)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\45.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
21	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 46 (Ag-Mature SBU Hazardous Waste Tank); SWMU 47 (Ag- Mature SBU Mother Liquor Tank)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\4647.JPG

Photo No.:	Date:	Time:
22	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 49 (Ag-Mature SBU Container Storage Area BB)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\49.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
23	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 50 (Ag-Mature SBU Wet Benlate Loading/Unloading Area)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\50.JPG

Photo No.:	Date:	Time:
24	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 51 (Ag-Mature SBU Wet Benlate Satellite Accumulation Area); SWMU 52 (Ag-Mature SBU Wet Benlate Satellite Accumulation Area)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\5152.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
25		

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 55 (Ag-Mature SBU Brine Treatment System-Waste Neutralization Tank)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\No Image.JPG

No Image Available

Photo No.:	Date:	Time:
26	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 56 (Ag-Mature SBU Brine Treatment System-Former Carbon Adsorption Unit); SWMU 57 (Ag-Mature SBU Brine Treatment System-Former Transfer Vessel); SWMU 59 (Ag-Mature SBU Brine Treatment System-Ag-Mature Benlate Hazardous Waste Tank); SWMU 62 (Ag-Mature SBU Brine Treatment System-Former Ammonia Tails Storage Tank)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\56 57 59 62.JPG

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
27	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 60 (Ag-Mature SBU Brine Treatment System-Current Benlate Raw Waste Brine Storage Tank)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\60.JPG

Photo No.:	Date:	Time:
28	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 61 (Ag-Mature SBU Brine Treatment System-Former Treated Brine Storage Tank)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\61.JPG

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
29	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 63 (Former Ag-Mature SBU Container Storage Area GG)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\63.JPG

Photo No.:	Date:	Time:
30	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 65 (Former MDA Loading/Unloading Area); SWMU 66 (Former MDA Tank Wagon Unloading Vent Scrubber); SWMU 68 (Former MDA Brine Filtration Units); SWMU 69 (Former MDA Methanol Storage Tank)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\64 65 66 67 68 69.JPG

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
31	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 71 (Former MDA No. 6 Aniline Tank) (See Photo 32)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\71 #2.JPG

Photo No.:	Date:	Time:
32	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 71 (Former MDA No. 6 Aniline Tank) (See Photo 31)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\71.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
33		

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 77 (Former MDA/PACM Hazardous Waste Tank)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\No Image.JPG

No Image Available

Photo No.:	Date:	Time:
34	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 78 (Former MDA/PACM Container Storage Area Q)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\78.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
35	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 81 (Former C&P East DMS Area Tank (ID No. 10))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\81.JPG

Photo No.:	Date:	Time:
36		

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 82 (C&P East DMF Waste Tank (ID No. 47))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\No Image.JPG

No Image Available

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
37	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 83 (C&P East Drum Plant Container Storage Area T)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\83.JPG

Photo No.:	Date:	Time:
38	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 84 (Former C&P East Hazardous Waste Tank (ID No. 48)); SWMU 85 (Former C&P East Hazardous Waste Tank (ID No. 49))

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\84 85.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
39	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 86 (Former C&P East Wastewater Stripper Tank)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\86.JPG

Photo No.:	Date:	Time:
40	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 87 (Methacrylate Oil Storage Tank (ID No. 76)); SWMU 88 (Methacrylate Oil Storage Tank (ID No. 77))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\8788.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
41	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 89 (Former Methacrylate Hazardous Waste Tank (ID No. 51))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\89.JPG

Photo No.:	Date:	Time:
42	2/27/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 90 (Former Methacrylate Distillation Column (ID No. 52))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\90.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
43	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 91 (Former Methacrylate Condensate Still Tank (ID No. 68))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\91.JPG

Photo No.:	Date:	Time:
44	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 92 (Mathacrylate Container Storage Area EE)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\92.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
45	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 93 (SAR Furnace)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\93.JPG

Photo No.:	Date:	Time:
46	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 94 (SAR Weak Acid Sump Tank)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\94.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
47	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 95 (Methacrylate Loading/Unloading Area); SWMU 96 (Methacrylate Loading/Unloading Area)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\9596.JPG

Photo No.:	Date:	Time:
48	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 97 (Methacrylate Trench and Sump System)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\97.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
49	3/7/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 98 (SLM Mother Liquor Disengaging Tank)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\98.JPG

Photo No.:	Date:	Time:
50	3/1/2012	

Direction Photo Taken (if applicable):

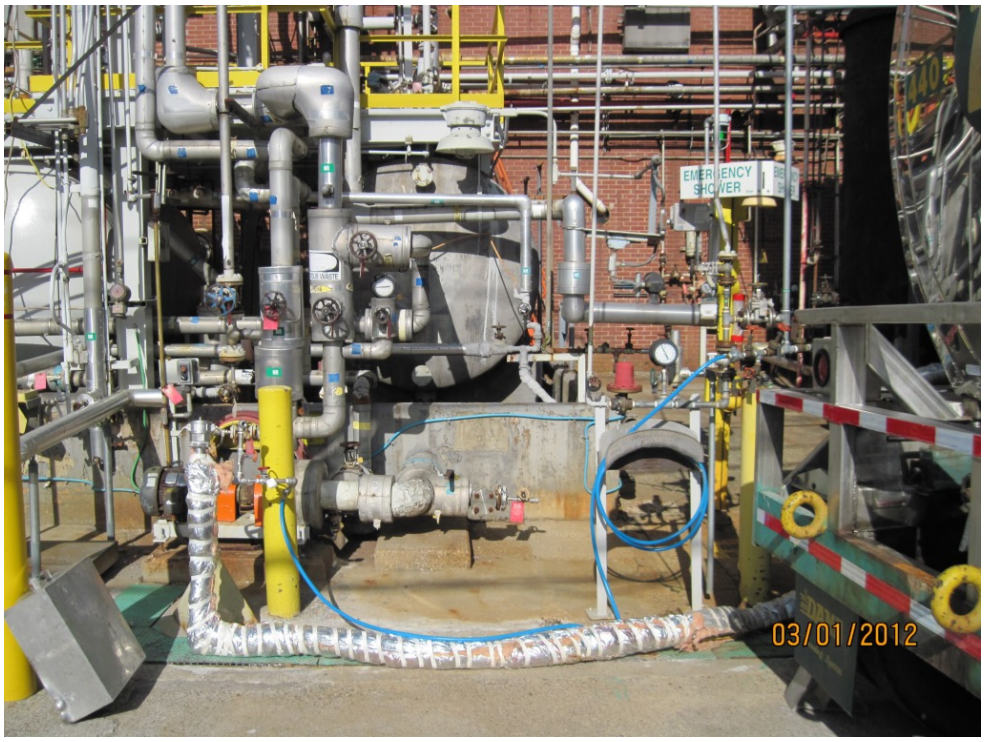
Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 99 (SLM Mother Liquor Tank (ID No. 60))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\99.JPG



AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
51	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 100 (SLM Flammable Waste Tank (ID No. 63))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\100.JPG

Photo No.:	Date:	Time:
52	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 101 (SLM Extractor Tank); SWMU 102 (SLM J Tank (ID No. 75))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\101 102.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
53	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 103 (SLM SP Tank (ID No. 59))

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\103.JPG

Photo No.:	Date:	Time:
54	3/7/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 104 (SLM Caustic Surge Tank (ID No. 61))

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\104.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
55	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 107 (SLM Drum Wash Pad)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\107.JPG

Photo No.:	Date:	Time:
56	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 108 (SLM Unloading/Loading Area)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\108.JPG

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
57		

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 110 (Former SLM Container Storage Area X)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\No Image.JPG

No Image Available

Photo No.:	Date:	Time:
58	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 111 (Former SLM Container Storage Area Y)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\111.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
59		

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 112 (C&P West Glycol Hazardous Storage Tank No. 10 (ID No. 55))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\No Image.JPG

No Image Available

Photo No.:	Date:	Time:
60		

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 113 (C&P West Glycol Hazardous Storage Tank No. 18 (ID No. 56))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\No Image.JPG

No Image Available

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
61	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 114 (C&P West Loading Pad)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\114.JPG

Photo No.:	Date:	Time:
62		

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 116 (Former C&P West Stripper Overhead Tank (ID No. 54A))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\No Image.JPG

No Image Available

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
63	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 117 (Former C&P West Container Storage Area V)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\117.JPG

Photo No.:	Date:	Time:
64		

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 118 (Former C&P West Hazardous Waste Tank (ID No. 54B))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\No Image.JPG

No Image Available

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
65		

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 119 (Former C&P West Hazardous Waste Tank (ID No. 54C))

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\No Image.JPG

No Image Available

Photo No.:	Date:	Time:
66	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 120 (HCO Oil/Water Separator)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\120.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
67	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 126 (Former HCO Hazardous Container Storage Area I)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\121 126.JPG

Photo No.:	Date:	Time:
68	2/28/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 123 (Former HCO Hazardous Copper Waste Storage Tank (ID No. 6)); SWMU 124 (Former HCO Hazardous Carbon Waste Storage Tank (ID No. 6)); SWMU 125 (Former HCO Hazardous Methanol Waste Storage Tank (ID No. 8))

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\123 124 125.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
69	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 127 (WWTP-Main Pumping Station)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\127.JPG

Photo No.:	Date:	Time:
70	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 128 (WWTP-Isolation Tank No. 1); SWMU 129 (WWTP-Isolation Tank No. 2); SWMU 130 (WWTP-Isolation Tank No. 3)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\128 129 130.JPG

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
71	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 131 (WWTP-Equalization Tank)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\131.JPG

Photo No.:	Date:	Time:
72	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 132 (WWTP-Cooling Tower and Sump)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\132.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
73	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 133 (WWTP-Mix Box)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\133.JPG

Photo No.:	Date:	Time:
74	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 134 (WWTP-Aerator No. 1)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\134.JPG

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Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
75	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 135 (WWTP-Aerator No. 2)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\135.JPG

Photo No.:	Date:	Time:
76	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 136 (WWTP-Aerator No. 3)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\136.JPG

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
77	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 137 (WWTP-Aerator No. 4)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\137.JPG

Photo No.:	Date:	Time:
78		

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 138 (WWTP-Aerator No. 5)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\No Image.JPG

No Image Available

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
79	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 139 (WWTP-Clarifier No. 1)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\139.JPG

Photo No.:	Date:	Time:
80	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 140 (WWTP-Clarifier No. 2)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\140.JPG

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
81	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 141 (WWTP-Clarifier No. 3);
SWMU 142 (WWTP-Clarifier No. 4)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\141 142.JPG

Photo No.:	Date:	Time:
82	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 143 (WWTP-Clarifier No. 5)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\143.JPG

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
83	3/1/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 144 (WWTP-Sludge Storage Tank)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\144.JPG

Photo No.:	Date:	Time:
84	2/22/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 174 (Consolidated Waste Drum Storage Area); SWMU 175 (Former Container Storage Area O)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\174 175.JPG

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
85	2/22/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 176 (Central Shop Container Storage Area F)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\176.JPG

Photo No.:	Date:	Time:
86	2/22/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 177 (PCB Storage Area)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\177.JPG

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
87	2/22/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 178 (Former PCB Storage)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\178.JPG

Photo No.:	Date:	Time:
88	2/22/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 179 (Former Paint Shop Container Storage Area H)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\179.JPG

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
89	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 180 (Auto Shop Steam Cleaning Pad)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\180.JPG

Photo No.:	Date:	Time:
90	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable): Belle Plant Area

Photograph Taken By: Rob Kendall

Description: SWMU 183 (Former Injection Well No. 2)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\183.JPG

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
91	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 184 (Former Injection Well No. 3)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\184.JPG

Photo No.:	Date:	Time:
92	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
SWMU 187 (F&G Sump Tank); SWMU 188 (F&G Wastewater Storage Tank)

Image pathway and filename:
V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\187 188.JPG

AECOM

Appendix F-2
Phase IV Investigation SWMU/AOC Photographs

Client Name:	Site Name:	Field Event Name:	Proj. Number:	18986236.15003
DuPont	Belle Plant	Decision Tree Evaluation Field Reconnaissance	Proj. Name:	

Photo No.:	Date:	Time:
93	2/21/2012	

Direction Photo Taken (if applicable):

Site Area Name (if applicable):
Belle Plant Area

Photograph Taken By:
Rob Kendall

Description:
AOC B (Southwest Groundwater Seep)

Image pathway and filename:

V:\Projects\Dupont\Belle\Field_Documentation\Field_Photos\Phase IV Comprehensive RFI Report - Plant Area 2\AOC B.JPG

Appendix G

Boring Logs

BORING NUMBER AOC A-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/28/12 **COMPLETED** 11/28/12
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					GRAVEL, Brown
		75		2.0	Various FILL, dark ASH, GRAVEL
5				4.0	(CL-ML) Silty CLAY, Gray and Brown, moist, stiff
		75			GRAVEL at 8' 2"
10					Silty CLAY, Gray and Brown, moist, firm
		90	CL-ML		at 12' Silty CLAY, Brown with gray mottling, moist, firm
15					at 15'-16' Sample
		100			at 16'-17' Gray black mottling
20					
		100	CL	22.0	(CL) Sandy CLAY, Brown, very moist, firm
25				25.0	

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER AOC A-3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/28/12 **COMPLETED** 11/28/12
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					GRAVEL, SAND, Brown at 0.5'-1' Sample
		90			2.0 GRAVEL, FILL, Black
5					4.0 (CL-ML) Silty CLAY, Brown, moist, stiff
		100			at 6' Silty CLAY, Gray, soft, moist at 7' GRAVEL, Woody material at 8'-9' Sample
10					Silty CLAY, Gray, firm, moist
		100	CL-ML		at 12' Silty CLAY, Brown with gray mottling, moist, firm
15					
		100			at 18'-18.5' Gray black mottling
20					at 20'-21' Sample
		100	SC		22.0 (SC) Clayey SAND, Brown, fine, dense, very moist
25					25.0

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER AOC E-1-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/19/13 **COMPLETED** 11/19/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Lucinda Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FILL, ASPHALT, GRAVEL, CINDERS, dry
		50			
5					at 5' CINDERS, very wet, small gravels
				7.0	
		50	CL		(CL) CLAY, Light Brown with dark gray mottling throughout, dense, very stiff, damp, odor
10				10.0	

Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER AOC E-1-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/19/13 **COMPLETED** 11/19/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Lucinda Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FILL, GRAVEL, CINDERS, dry
		50			
5					at 4' FILL, CINDERS, wet
				7.0	
		40	CL		(CL) CLAY, Light Brown with dark gray mottling throughout, dense, very stiff, wet, odor
10				10.0	

Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER AOC E-1-3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/19/13 **COMPLETED** 11/19/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Lucinda Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FILL, ASPHALT, GRAVEL, dry
		40			at 2' CINDERS, dry grading to wet
5				6.0	
		30	GP	7.5	(GP) SAND, Brown and Light Orange, coarse-grained, with some CINDERS, moist to wet
			CL		(CL) CLAY, Light Brown, gray mottling throughout, dense, very stiff, wet, odor
10				10.0	

Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER AOC E-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/9/12 **COMPLETED** 11/9/12
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				4" ASPHALT, CINDERS, FLYASH, GRAVEL
6.0				Black, tarry substance, thick, strange odor
7.0				(CL-ML) Silty CLAY, Gray, moist, medium soft
10				at 10' Silty CLAY, Brown and gray mottled, moist, stiff, slight petroleum odor
20		CL-ML		at 23' Silty CLAY, Dark Gray, moist, stiff, slight petroleum odor
30				at 29' Silty CLAY, Dark Gray, moist, soft, no odor
35.0				Bottom of borehole at 35.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER AOC E-3-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/19/13 **COMPLETED** 11/19/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Lucinda Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0			GRAVEL, FLYASH, CINDERS, coarse SAND, moist
5		5.0	

Bottom of borehole at 5.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER AOC E-3-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/19/13 **COMPLETED** 11/19/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Lucinda Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0			FLYASH, CINDERS, GRAVEL, moist
5		5.0	

Bottom of borehole at 5.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER AOC E-3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/28/12 **COMPLETED** 11/28/12
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FILL, black ASH and CINDERS with GRAVEL at 0.5'-1' Sample
		80			at 3.5'-4' GRAVEL, Black, with greasy black substance
4.0					
5					(CL-ML) Silty CLAY, Brown, moist, stiff at 4'-5' Sample
		80			at 7' Silty CLAY, Gray, very moist, soft with GRAVEL
10					at 8'-9' Sample Grading to Silty CLAY, Brown with gray mottle, moist, stiff
		100	CL-ML		Silty CLAY, Brown with gray mottle, moist, firm
15					
		100			
20					
21.0					
		100	SC		(SC) Clayey SAND, Brown, fine, dense, moist
25					
25.0					Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER AOC E-9-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/18/13 **COMPLETED** 11/18/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Temporary well point installed

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0			GP		(GP) GRAVEL and soil cover	
2.0		90			(CL-ML) Silty CLAY, Dark Gray - Light Gray, stiff, moist	
5					at 5' Silty CLAY, Brown with orange mottling, stiff to very stiff, moist	
					Grading to slightly softer/moister	
10						
15			CL-ML			
20						
25					at 24' soft, very moist	
30					Silty CLAY, Gray, moist	
35						
35.0						

Bottom of borehole at 35.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER AOC E-9-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/18/13 **COMPLETED** 11/18/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Lucinda Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES No soil sample, direct push HP to 35' collect water sample

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0			
5			
10			
15			
20			
25			
30			
35			

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER AOC E-9-3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/18/13 **COMPLETED** 11/18/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES No soil sample, Hydropunch to 35' let sit overnight

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0			
5			
10			
15			
20			
25			
30			
35			

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER AOC G HP-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/11/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					
		70		1' GRAVEL Dark gray Silty CLAY with some FLYASH, GRAVEL, stiff, dry	
5					
		0		6.0 FLYASH layer, blocked shoe, minimal recovery, wet	
10				10.0	
		100		Brown Silty CLAY, moist, stiff	
15					
		100			
20					
		100			
25					
		100			
30					
		100			
35					

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

(Continued Next Page)

WELL NUMBER AOC G HP-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35					
		100		Brown Silty CLAY, moist, stiff *(continued)*	
40				40.0	

Bottom of borehole at 40.0 feet.

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WELL NUMBER AOC G HP-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/11/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				1' GRAVEL 1' Mixed FILL Light to dark gray Silty CLAY, moist, stiff	
5		80			
10		80			
15		100			
20		100			
				20.0 Brown/gray mottled Silty CLAY, moist, medium stiff	
25		100			
30		100		27.0 Brown Silty CLAY, moist, medium stiff	
35		100		32.0 Gray Clayey SILT, stiff, moist 35.0	

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

(Continued Next Page)

WELL NUMBER AOC G HP-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35				Gray Sandy SILT, dense, moist	
		100		38.0	
				Brown Silty SAND, dense, slightly wet @ 38'	
40					
		100			
45				45.0	

Bottom of borehole at 45.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER HF- 1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/25/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
		70			FLYASH, CINDERS
5				5.0	at 4' FLYASH, CINDERS, CLAY, ground mix
		100	CL-ML		(CL-ML) Silty CLAY, Brown and gray mottled, very stiff, moist
10				10.0	

Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER HF- 2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/25/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FLYASH, CINDERS, BRICK, some clayey dirt
		60			
5					at 5' Mixed FILL and CLAY
				5.5	
		100	CL-ML		(CL-ML) Silty CLAY, Brown, gray mottled, stiff, moist
10				10.0	

Bottom of borehole at 10.0 feet.

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BORING NUMBER HF- 3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/25/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
		50			FLYASH, CINDERS, BRICK at 4' Mixed FILL
5				5.0	
		100	CL-ML		(CL-ML) Silty CLAY, Brown and gray mottled, stiff, moist
10				10.0	

Bottom of borehole at 10.0 feet.

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BORING NUMBER HF- 4

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/25/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					CINDERS, FLYASH, BRICK
		70			
5					at 5' Mixed FILL
				5.5	
		100	CL-ML		(CL-ML) Silty CLAY, Brown and gray mottled, stiff, moist
10				10.0	

Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER HF- 5

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/25/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Refusal on concrete. No clear area to offset boring

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0			Silty CLAY, GRAVEL, FILL, dense, moist
5			5.0

Refusal at 5.0 feet.
Bottom of borehole at 5.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER HF- 6

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/25/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FLYASH, CINDERS
5		40			
		40			at 6' Mixed FILL, Silty CLAY, Brown, with some CINDERS
10					10.0
		100	CL-ML		(CL-ML) Silty CLAY, Brown with gray mottling, very stiff, moist
15					Found a root at 13', may be fill material
					15.0

Bottom of borehole at 15.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER HF- 7

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/25/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					ASPHALT then FLYASH, CINDERS, dense, wet
5		40			
		70			
					9.0
10			CL-ML		(CL-ML) Silty CLAY, Brown and gray mottled, firm, moist
					10.0

Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER HF- 8

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/25/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					GRAVEL, CINDERS, FLYASH
5		50			
10		40			
					11.0
15		60	CL-ML		(CL-ML) Silty CLAY, Gray, firm, moist, transitioning to Silty CLAY, Brown with gray mottling
					15.0

Bottom of borehole at 15.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER HF- 9

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/25/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					Pavement then FLYASH, CINDERS, GRAVEL
		60			
5					
		80			at 7' Mixed CLAYs, CINDERS, BRICK, GRAVEL
					9.0
10			CL-ML		(CL-ML) Silty CLAY, Brown and gray mottled, firm, moist
					10.0

Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER HF-10

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/25/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FLYASH, CINDERS, GRAVEL
		20			
5				5.0	(CL-ML) Silty CLAY, Gray/Brown with GRAVEL (FILL mix)
					at 8' Silty CLAY, Brown with gray mottling, firm, moist
10			CL-ML		
15				15.0	

Bottom of borehole at 15.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER MDA-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/9/13 **COMPLETED** 12/9/13
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Refusal @4 locations (30' circle). Concrete at every location. No safe offsets.

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0			Coast debris, FLYASH, BRICK, minimal soil
5			
9.0			Bottom of borehole at 9.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER MDA-3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/9/13 **COMPLETED** 12/9/13
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Well: heave caused hole collapse

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0			FLYASH and CINDERS	
5				
10				
15			Fully saturated at 16'	
20				
25			Some soil and GRAVEL @25'	
25.0			Bottom of borehole at 25.0 feet.	

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER MDA-4

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/9/13 **COMPLETED** 12/9/13
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0			FLYASH and CINDERS	
5				
10				
15			Fully saturated at 15'	
20			20.0	

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER MDA-5

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/9/13 **COMPLETED** 12/9/13
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0			FLYASH and CINDERS with minor SAND Saturated at 13'	Heaving caused screen to rise during setting. Could only set back to 14'. 5' riser and 10' of screen.
20			20.0	

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SLM- 1-GW

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/13/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0			6" ASPHALT, compacted FLYASH and GRAVEL	
5			5.0	
			Silty CLAY, Dark Gray, moist, medium stiff	
10				
			Silty CLAY, Brown, moist, medium stiff	
15				
20				
25			25.0	
			Clayey SILT, Brown, moist, medium stiff grading to Sandy SILT, Brown	
30				
			at 32 wet, soft	
35			35.0	

Bottom of borehole at 35.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SLM- 1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 7/18/13 **COMPLETED** 7/18/13
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			Asphalt
1.0			CONCRETE, unable to bore through
2.0			Bottom of borehole at 2.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:42 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SLM- 2-GW

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/12/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					1' ASPHALT then CONCRETE	
		70			Compacted GRAVEL, FLYASH with some soil	
5					5.0	
		90	CL-ML		(CL-ML) Silty CLAY, Dark Gray, moist, stiff	
10					Silty CLAY, Brown, moist, medium stiff	
		100				
15						
		100				
20						
		100			Medium soft	
25						
		100				
30					30.0	
		100	ML		(ML) Clayey SILT, Brown, very moist, medium soft	
					34.0	
35			CL		(CL) CLAY, Brown, soft, very moist	

(Continued Next Page)

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

AECOM
4051 Ogletown rd
Newark, DE 19713

WELL NUMBER SLM- 2-GW

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35			CL		(CL) CLAY, Brown, soft, very moist *(continued)*	
		100	MH		36.0 (MH) Clayey SILT, Gray, soft, very moist, minor wet lenses	
					38.0	

Refusal at 38.0 feet.
Bottom of borehole at 38.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SLM- 2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 7/18/13 **COMPLETED** 7/18/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION
0		GP		0.4	(GP) Compacted GRAVEL
				1.0	FLYASH
	2.8	CL-ML		4.0	(CL-ML) Brown SILTY CLAY, Moist, Very stiff
5				5.0	No Recovery
	1.6	CL-ML		9.0	(CL-ML) Dark brown and gray mottled SILTY CLAY, Moist, Stiff
10				10.0	No Recovery
	16.9	CL-ML		14.0	(CL-ML) Dark gray SILTY CLAY
15				15.0	No Recovery
		SM		19.0	(SM) Dark gray SILTY SAND, WET, Dense SWL in 20' installed Piezometer = 10.95'
20				20.0	No Recovery

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SLM- 3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 7/18/13 **COMPLETED** 7/18/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Asphalt and compacted GRAVEL
			1.0	
	2.1	CL-ML		(CL-ML) Brown and gray mottled SILTY CLAY, Very moist, Medium soft
			2.5	
				No Recovery
5			5.0	
	0.6	CL-ML		(CL-ML) Brown and gray mottled SILTY CLAY, Very wet, Very soft
			9.0	
				No Recovery
10			10.0	
		CL-ML		(CL-ML) Brown and gray mottled SILTY CLAY, Very wet, Very soft
			13.5	
		CL	14.0	(CL) Black septic CLAY
				No Recovery
15			15.0	

Bottom of borehole at 15.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SLM- 4

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 7/18/13 **COMPLETED** 7/18/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Asphalt and compacted GRAVEL
			1.0	
	0.5	CL-ML		(CL-ML) Brown SILTY CLAY, Moist, Stiff
			4.0	
5				No Recovery
			5.0	
	1.2	OL		(OL) Dark gray CLAYEY SILT with minor SAND, Soft, Very moist
			9.5	
10			10.0	No Recovery
	0.4	OL		(OL) Dark gray CLAYEY SILT with minor SAND, Soft, Very moist, Wet at 11'
			14.0	
15			15.0	No Recovery
		SM		(SM) Brown SILTY SAND, Medium dense, Wet
20			20.0	
				Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SLM- 5

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 7/18/13 **COMPLETED** 7/18/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				0.2 Asphalt
				CONCRETE
				1.2
				(CL-ML) Brown and gray mottled SILTY CLAY, Stiff, Very Moist
	0.7			
5		CL-ML		
	0.8			
10				10.0
	1.1			(SM) Dark gray SILTY SAND, Dense to loose, Wet
				Wet at 11'
				Loose and sloppy at approximately 19'
15		SM		
20				20.0
				Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SLM- 6

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 7/19/13 **COMPLETED** 7/19/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			Asphalt
		0.4	FLYASH, CINDERS, BRICK, GRAVEL, and brown SILTY CLAY mixed in, Moist, Dense
2.5	0.4		
		4.0	No Recovery
5.0		5.0	FLYASH, CINDERS, BRICK, GRAVEL, and SILTY CLAY mixed in, Moist, Dense. Refusal at 8'
7.5	0.5	8.0	
			Bottom of borehole at 8.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SLM- 7

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 7/19/13 **COMPLETED** 7/19/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			0.2	Asphalt
				FILL, Flyash, Cinders, Brick, Gravel with brown CLAY throughout
	1.3			
2.5			2.5	
				No Recovery
5.0			5.0	
				FILL, Flyash, Cinders, Brick, Gravel with brown CLAY throughout
	102.3		7.0	
		CL-ML		(CL-ML) Brown SILTY CLAY, FILL, Moist, Medium soft
7.5			7.5	Refusal at 8'

Bottom of borehole at 8.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SLM- 8

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 7/19/13 **COMPLETED** 7/19/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				CONCRETE and compacted GRAVEL
1.0				No Recovery
5				
5.0		CL-ML		(CL-ML) Dark gray SILTY CLAY, Moist, Soft
	2.4			
8.5				No Recovery
10				
10.0		CL-ML		(CL-ML) Dark gray SILTY CLAY, Very wet, Very soft and sloppy, grading to dark gray SANDY SILT, Very wet, Very soft
14.0		SP		(SP) Black SAND, Very fine, Wet, Loose
15				
15.0				Bottom of borehole at 15.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SLM- 9

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 7/19/13 **COMPLETED** 7/19/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			CONCRETE
0.4			FILL, Flyash, Cinders with some GRAVEL and BRICK
			Refusal at 8'
2.5			
5.0			
	0.8		
7.5			
8.0			Bottom of borehole at 8.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SLM-10

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 7/19/13 **COMPLETED** 7/19/13
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0		GP		(GP) GRAVEL
0.4				FLYASH, CINDERS with some BRICK fragments, Brown SILTY CLAY, Moist, Stiff at 7.5'
2.5	0.6			Refusal at 8'
5.0				
7.5	1.7			
8.0				Bottom of borehole at 8.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SLM-11

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 7/19/13 **COMPLETED** 7/19/13
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				
			0.8	Acid BRICK then 6" of CONCRETE
	1.9	CL-ML	3.0	(CL-ML) Light brown SILTY CLAY, Moist, Firm
5			5.0	No Recovery
	2.5	CL-ML	9.5	(CL-ML) Light gray SILTY CLAY, Very moist, Soft
10			10.0	No Recovery
	567.2	CL-ML	15.0	(CL-ML) Dark gray SILTY CLAY, Very moist, Soft with some ODOR Strong odor and sheen at 14'
	13.5	ML	20.0	(ML) Dark gray SANDY SILT, Wet, Soft Wet but not saturated
20				Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SLM-12

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 7/19/13 **COMPLETED** 7/19/13
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				0.3 BRICK 0.6 CONCRETE No Recovery
10				10.0 (ML) Light to dark gray SANDY SILT, Medium wet, Soft Wet lense at approximately 16'
15	2.0	ML		
20	1.7	ML		19.5 20.0 (ML) Brown SANDY SILT, Moist, Not wet, Dense

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SLM-13

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 7/19/13 **COMPLETED** 7/19/13
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0		GP		0.1 (GP) GRAVEL Black FLYASH and CLAY mix
				2.1
2.5	1.2			(CL-ML) Gray SILTY CLAY, Moist, Medium stiff
5.0		CL-ML		
7.5	1.2			
				8.8
10.0				(CL-ML) Brown SILTY CLAY, Moist, Medium stiff and grades to softer
	1.5	CL-ML		
12.5				
	1.5			
15.0				

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

(Continued Next Page)

AECOM
4051 Ogletown rd
Newark, DE 19713

BORING NUMBER SLM-13

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
				(CL-ML) Brown SILTY CLAY, Moist, Medium stiff and grades to softer *(continued)*
17.5	0.8	CL-ML		
20.0				20.0
		CL-ML		(CL-ML) Brown CLAYEY SILT, Very Moist, Soft, Wet lense at 22.5'
22.5	1.3			
				23.5
		ML		(ML) Brown SANDY SILT, Soft, Wet
25.0				
27.5	1.2			
30.0				30.0
				Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SLM-14DO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/31/14 **COMPLETED** 10/31/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Direct push to 52' BGS. set well.

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0			No core sampling for this borehole (see log for well SLM-14SO)	
5				
10				
15				
20				Bentonite
25				
30				
35				

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

(Continued Next Page)

WELL NUMBER SLM-14DO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35				
40				
45				
50				

Bottom of borehole at 52.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

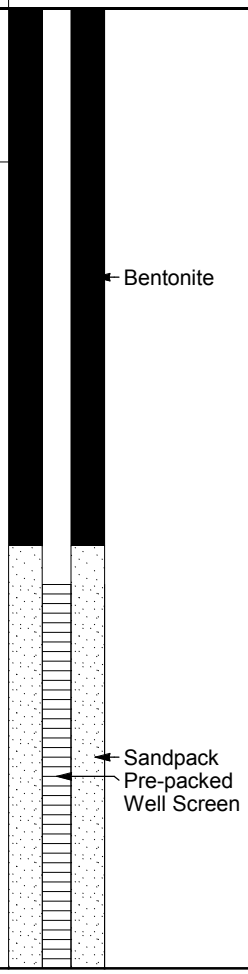
WELL NUMBER SLM-14SO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/31/14 **COMPLETED** 10/31/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				4" CONCRETE 2" ASPHALT FILL - GRAVEL
		50		
4.0				Silty CLAY, Gray, moist, medium stiff
5				
		90		
10				
		100		grading into Silty CLAY, Brown, moist, stiff
15				
		100		
20				
		100		
25				
25.0				Bottom of borehole at 25.0 feet.

WELL DIAGRAM



GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

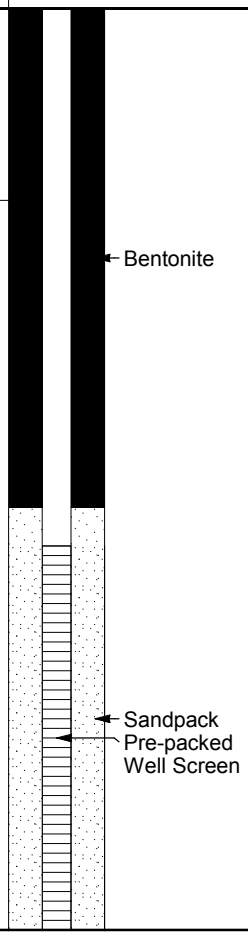
WELL NUMBER SLM-15SO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/27/14 **COMPLETED** 10/27/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				
		20		ASPHALT cover FLYASH, GRAVEL Strong odor
5				5.0
		50		Silty CLAY, Gray, medium stiff, moist, strong odor grading to
10				
		100		Silty CLAY, medium soft, moist
15				
		100		Minor wet zone at 18'
20				Silty CLAY, Brown with minor gray mottling, medium soft, moist
				24.0

WELL DIAGRAM



Bottom of borehole at 24.0 feet.

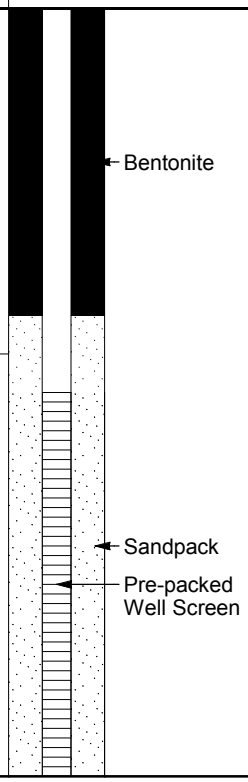
GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SLM-16SO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/27/14 **COMPLETED** 10/27/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				16" GRAVEL - compacted Silty CLAY, Dark Gray, soft, very moist (FILL/NATIVE?)
5		20		
10		60		9.0 Clayey SILT, Light Gray to Brown, very soft, wet at 16"
15		100		grading to Sandy SILT, Brown and Light Gray, very soft, wet
20		100		20.0



Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 32-35-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/4/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				0.5	ASPHALT
		90			FLYASH, CINDERS, rubble, moist
5				5.0	
		100			(CL-ML) Silty CLAY, Dark Gray, grading to CLAY, brown/gray mottled, very stiff, moist with some moisture in gray mottling
10					
		100	CL-ML		at 10' Silty CLAY, Brown with Silty CLAY mottle, Gray, stiff, moist at 10.5'-11' wet lens
15					
		100			
20				20.0	

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 32-35-1GW

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/19/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Temporary well point installed

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					GRAVEL, FILL, FLYASH	
	1	100				
4.0						
5			CL-ML		(CL-ML) Silty CLAY, Dark Brown and black mottles, stiff, moist	
	2	100				
10					Silty CLAY, Brown, medium stiff, moist at 10' BRICK fragment	
	3	100				
15						
16.0						
	4	100	SM		(SM) Silty SAND, Brown, fine-grained, somewhat wet, loose	
20						
20.0						
	5	100	ML		(ML) Sandy SILT, Gray, soft, wet, sand is very fine-grained	
25						
25.0						

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 32-35-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/9/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
		90			GRAVEL (super compacted) with layer of ASPHALT on top at 3' FLYASH, CINDERS, and CLAY, Black
5				5.0	
		90	CL-ML		(CL-ML) Silty CLAY, Black/Gray, stiff to medium stiff, moist, slight odor at 7' Silty CLAY, Brown/Gray mottled, moist, very stiff
10				10.0	

Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 32-35-3GW

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/20/13 **COMPLETED** 11/20/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Temporary well point installed

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				1' GRAVEL compacted, 1' FLYASH and CINDERS with some COAL	
3.0					
				(CL-ML) Silty CLAY, Gray-Brown, moist, very stiff	
5					
				grading to Silty CLAY, Brown with orange mottling, stiff, moist	
10					
15		CL-ML		at 17' medium stiff	
20				at 20' very moist, medium soft	
25					
30					
31.0					
		SM		(SM) Silty SAND, Brown, very fine-grained, wet	
35					
35.0					

Bottom of borehole at 35.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 32-35-5

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/4/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					3" ASPHALT, then FLYASH, CINDERS
1.0					(CL-ML) Silty CLAY, Brown, moist
5		80	CL-ML		at 2.5' Silty CLAY, Gray with organic flecks, stiff, moist
10		90			at 8' Silty CLAY, Brown with gray mottling (clayey stringers), stiff, moist. Gray mottles are wet in some areas
15		100			
20		100			
20.0					Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 41A-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/3/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					ASPHALT, GRAVEL, CINDERS
					2.0
		60	CL-ML		(CL-ML) Silty CLAY with CINDERS, Brown, moist, firm
5					5.0
			SM		(SM) Silty SAND, Brown, fine, moist, dense
		50			7.0
					(CL-ML) Silty CLAY with BRICK and CINDERS, Gray, moist, firm with some GRAVEL
10					
		80	CL-ML		at 11' Silty CLAY, Brown with gray mottlings, moist, firm
15					
		100			at 16.5'-17' some black and gray mottling
					18.0 Increasing SAND content
			SM		(SM) Silty SAND, Brown, fine, moist, dense
20					at 19'-20' Sample
					21.0
		100	CL-ML		(CL-ML) Silty CLAY, Brown with gray mottling, moist, firm
					23.0 at 22'-23' Wet, possible water sample
			SM		(SM) Clayey SAND, Brown, very fine, moist, dense
25					25.0

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 41A-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/3/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					ASPHALT, GRAVEL, CINDERS
					2.0
		50	CL-ML		(CL-ML) Silty CLAY, Dark Brown, with CINDERS and GRAVEL, some BRICK at 2.5'-3.5' Sample
5					
		40			at 8' Silty CLAY, Dark Brown with gray mottling, some CINDERS, moist, stiff
10					
		80			at 12'-17' Sample
					at 13' Silty CLAY, Brown with gray mottling, moist, firm
15					
					17.0
		100	SM		(SM) Silty SAND, Brown, fine, dense
20					at 18'-19' wet
					at 21'-22' wet
					22.0
		100	CL		(CL) Sandy CLAY, Brown with gray mottling, very fine, moist, dense
25					25.0

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 48-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/30/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					8" ASPHALT and CONCRETE
		60			at 2' Various FILL, Black, ASH, CINDERS
5					at 3'-4' Sample
					7.0
		100			7.5 Compacted GRAVEL
			CL		(CL) Sandy CLAY, Dark Gray, very fine, moist, firm, some odor
10					at 8'-9' Sample 10.0
		100			(CL-ML) Silty CLAY, Brown with gray mottling, moist, firm
15					
		100	CL-ML		at 18'-18.5' Black and gray mottle
20					Increasing very fine SAND
		100			
25					25.0

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 48-3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/29/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					ASPHALT, CONCRETE, various FILL, GRAVEL, ASH, CINDERS, Black
5		50			
		90	CL		(CL) Sandy CLAY, Dark Gray, very fine, moist, firm
7.0					
10					
11.0					(CL-ML) Silty CLAY, Brown with gray mottling, moist, firm
15		100			Gray mottling is wetter than clay at 13'-14'
					Increasing fine SAND
20		100	CL-ML		at 18'-19' Sample
		100			at 21'-21.5' Gray and black mottling
25					
25.0					Bottom of borehole at 25.0 feet.

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BORING NUMBER SWMU 53-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/6/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY LK **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				0.5	GRAVEL
5	NIR	50			FLYASH and CINDERS, very dense, moist to very moist
10		50		7.5	at 5' FLYASH and CINDERS, very dense, dry to moist
			CL-ML	10.0	(CL-ML) Silty CLAY, Dark Gray, brown mottled, stiff to very stiff (some CINDERS and mica flecks)
15		50		16.0	CINDERS, Dark Gray to Black, dense, some GRAVEL present, moist moving to very wet at about 14.5'
20	NIR	50	CL-ML	17.5	(CL-ML) Silty CLAY, Dark Gray, slightly mottled with light brown, very stiff, very wet Slight odor
			ML	19.0	(ML) Sandy SILT, Dark Gray, mottled brown, coarser, very stiff, moving to SAND, STONE, wet
			CL-ML	20.0	(CL-ML) Silty CLAY, Dark Gray, stiff, wet, mica flakes

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 54-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/7/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				0.5 GRAVEL
				Sandy FILL / FLYASH, Black
				at 1' Various FILL - CLAY, ASH, Black, small GRAVEL, CINDERS (wet)
5				at 5' Clayey FILL, Black/Gray, with wood fibers, ASH (wet)
				8.0
				(CL-ML) Silty CLAY, Dark Gray, very moist
10				at 10' Silty CLAY, Brown, moist
				at 12' Silty CLAY, mottled / blended Brown, Silty CLAY, Gray, soft and wet at 12' then very moist and firm
15				at 15' Silty CLAY, Brown, stiff, moist
20		CL-ML		at 20' Silty CLAY, Brown/Gray mottled, stiff, moist
25				at 25' Silty CLAY, Brown, grading to Silty CLAY, Gray, moist, medium soft
30				at 30' Silty CLAY, Gray, soft, moist, to Gray SILT
35				35.0 at 35' saturated

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GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 54-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
35				
40		SP		(SP) SAND, Gray, very fine-grained, moist, very dense grading to SAND, Gray, fine-grained, wet, dense SAND, Gray, GRAVEL, wet, dense *Very hard to drive sampler
				40.0

Bottom of borehole at 40.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 54-1A-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/18/13 **COMPLETED** 11/18/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0			FILL, FLYASH, GRAVEL, some Silty CLAY, Dark Gray
3.0			Bottom of borehole at 3.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 54-1A-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/18/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0			FILL, Black, FLYASH, GRAVEL, minor CLAY soil component
3.0			Bottom of borehole at 3.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 54-1A-3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/18/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0		CL-ML		(CL-ML) FLYASH, Silty CLAY, Dark Gray
5			5.0	

Bottom of borehole at 5.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 54-2-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/18/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
5		40	CL-ML	5.0	(CL-ML) Silty CLAY, Brown, moist, soft (GRAVEL cover)

Bottom of borehole at 5.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 54-2-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/18/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				
		40		FLYASH, Silty CLAY, Dark Gray, GRAVEL, soft, moist
5			5.0	

Bottom of borehole at 5.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 54-2-3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/18/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				FLYASH, Silty CLAY, Black, wet to moist, medium stiff then becoming Silty CLAY, Brown, minor FLYASH present, moist, stiff
5		50		
10		50		
10.0				Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 54-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/28/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				GRAVEL
				at 2' GRAVEL, SAND, various FILL, Brown
				at 3'- 4' darker area, diesel odor at 3.5' Sandy FILL, Black, with ASH
5				5.0
				(CL-ML) Silty CLAY, Dark Brown, moist, becoming Silty CLAY, Light Brown, moist
10				at 8' ASH and CINDERS, Dark Gray, Silty CLAY, Gray/Brown, very moist, stiff
				at 12' - 13' Some wood debris
				at 13' Silty CLAY, Brown with Gray mottling, moist, stiff to firm
15		CL-ML		at 14' - 15' Sample
				at 16' Silty CLAY, Brown with Gray mottling, moist, firm
20				at 20' - 21' Sample
				at 22' Silty CLAY, Brown with Gray mottling, very moist, stiff
25				25.0
				Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 58-2 (Groundwater)

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DATE STARTED 12/17/13 **COMPLETED** 12/17/13 **GROUND ELEVATION** _____ **HOLE SIZE** 3.5 inches

DRILLING CONTRACTOR Enviroprobe, Inc **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe **AT TIME OF DRILLING** ---

LOGGED BY Lucinda Kendall **CHECKED BY** Tobin Lounsbury **AT END OF DRILLING** ---

NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.0				Large GRAVEL mixed with FILL and FLYASH	
				2.0	
2.5				No Recovery	
				5.0	
5.0		CL-ML		(CL-ML) Gray/brown SILTY CLAY with black mottling, Grading to firm brown SILTY CLAY with black and light gray mottling	
7.5					
				9.5	
10.0				No Recovery	
				10.0	
		CL-ML		(CL-ML) Gray/brown SILTY CLAY with black mottling, Grading to firm brown SILTY CLAY with black and light gray mottling	
12.5					
15.0					

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

(Continued Next Page)

WELL NUMBER SWMU 58-2 (Groundwater)

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
17.5		CL-ML		(CL-ML) Gray/brown SILTY CLAY with black mottling, Grading to firm brown SILTY CLAY with black and light gray mottling *(continued)*	
20.0				20.0	
		ML		(ML) Brown SANDY SILT with black mottling, Moist	
22.5					
25.0				25.0	
		ML		(ML) Brown SANDY SILT, Moist and grading to wet brown SILTY SAND with gray mottling throughout, some odor	
27.5					
30.0				30.0	
				BRICK and ASPHALT chunks Refusal at 32'	
				32.0	

Bottom of borehole at 32.0 feet.

Temp. piezometer installed at 32" with a 10' screen

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 58-2 (Soil)

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/5/13 **COMPLETED** 12/5/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0					Asphalt
					0.5 FLYASH and CINDERS, Wet
	NIR				1.5 Possible Railroad Tie
					2.0 (CL-ML) Dark gray SILTY CLAY, Medium stiff, Moist, STRONG ODOR especially from (5'-6')
2.5		90	CL-ML		
5.0	4				
7.5		100	CL-ML		7.0 (CL-ML) Dark gray and brown SILTY CLAY, Mottled, Soft, Very moist
			CL-ML		9.0 (CL-ML) Brown SILTY CLAY with gray mottling, Stiff, Moist
10.0					10.0
			CL-ML		(CL-ML) Brown and gray mottled CLAYEY SILT, Medium soft, Moist Strong odor at 16'
12.5					
15.0					

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

(Continued Next Page)

AECOM
4051 Ogletown rd
Newark, DE 19713

BORING NUMBER SWMU 58-2 (Soil)

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
17.5			CL-ML		(CL-ML) Brown and gray mottled CLAYEY SILT, Medium soft, Moist Strong odor at 16' *(continued)*
					17.5
20.0	536		CL-ML		(CL-ML) Gray CLAYEY SILT with lots of mica flecks, Soft, Slightly wet, Odor
22.5					
					24.0
25.0	520				(SM) Gray SILTY SAND, Very fine, Very dense, Wet at 25'
27.5			SM		
30.0					30.0

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 58-4

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/5/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					0.5 CONCRETE
					FLYASH, CINDERS, some dirt
		50			2.5
					(CL-ML) Silty CLAY, Dark Gray, soft, wet
5					at 5' Silty CLAY, Brown/Gray, mottled, stiff, moist
		100	CL-ML		
10					
		100			
15					15.0

Bottom of borehole at 15.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 72-1-(1-2-3)

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/20/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES SWMU 73-1, 73-2, 73-3

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0			GRAVEL and FLYASH, Black, minimum soil, moist
3.0			Bottom of borehole at 3.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 72-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/4/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					GRAVEL, FLYASH, CINDERS, very compacted. Enough fine dirt to collect 0.5-1 sample
5		50			
		50			at 7' Oily CINDERS, slight odor
				8.0	
10			CL-ML		(CL-ML) Silty CLAY, Gray, stiff, moist, trace of organic flecks
					at 10' Silty CLAY, Gray with brown mottle, moist, stiff
					grading to
					Silty CLAY, Brown with gray mottling, stiff, moist
15					at 14' Some wetness
					at 16'-16.5' Saturated
				18.0	
20			CL		(CL) CLAY, Brown and gray mottled, stiff, moist
				20.0	

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 75-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/30/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					8" ASPHALT, GRAVEL, CONCRETE
		75			at 2' FILL, Black, ASH, CINDERS, GRAVEL, BRICKS
5					at 3'-4' Sample
		90			6.0 (CL-ML) Silty CLAY, Dark Gray, moist, firm, slight odor
10					at 10' Silty CLAY, Brown with gray mottling, firm, moist
		100			at 10.5'-11.5' Sample
15			CL-ML		
		100			at 16'-17' Gray and black mottle
20					Increasing very fine SAND
		100			at 20'-21.5' Gray and black mottle, wet against clay matrix
25					at 24'-25' Sample
					25.0 Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 79-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/30/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					8" ASPHALT, CONCRETE
5		75			at 2' FILL, ASH, Black, CINDERS, GRAVEL, WOOD at 3'-4' Sample
					6.0
10		100			(CL-ML) Silty CLAY, Dark Gray, moist, firm, chemical odor at 7'-8' Sample
15		100	CL-ML		at 13' Silty CLAY, Brown with gray mottling, moist, stiff at 14'-15' Sample
20		100			
					22.0
25		100	SM		(SM) Silty SAND, Gray, very fine, moist, dense
					25.0

Bottom of borehole at 25.0 feet.

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BORING NUMBER SWMU 79-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/30/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					6" ASPHALT and CONCRETE
5		80			at 2' FILL, black, ASH, CINDERS, GRAVEL
					6.0
10		75			(CL-ML) Silty CLAY, Dark Gray, moist, firm, chemical odor
					at 8'-9' Sample
15		90	CL-ML		at 12'-13' Softer, more moisture
					at 14' Silty CLAY, Brown with gray mottling, moist, firm, slight chemical odor
20		100			at 15'-16' Sample
25		100			at 22'-23' Black and gray mottling
					Increasing very fine SAND content
					25.0
					Bottom of borehole at 25.0 feet.

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BORING NUMBER SWMU 80-3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/30/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					ASPHALT, CONCRETE, GRAVEL
		50			at 2' GRAVEL, ASH, CINDERS
5					at 3'-4' Sample
					6.0
		60			(CL-ML) Silty CLAY, Dark Gray, moist, firm, chemical odor
10					at 10.5' Silty CLAY, Brown with gray mottling, moist, stiff
		100			at 13'-14' Sample
15					
		100	CL-ML		
20					
		100			at 21'-22' Gray and black mottling
25					Increasing very fine SAND
		100			at 25' Silty CLAY, Brown with gray mottling at 25'-26' Sample
30					Increasing very fine SAND, moist, firm
					28.0
			SM		(SM) Clayey SAND, Gray, very fine, moist, dense
					30.0

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 115-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/5/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FLYASH and CINDERS
		50			
5				6.0	
		100			(CL-ML) Silty CLAY, Dark Gray and brown mottled, stiff, moist
10			CL-ML		at 9' Silty CLAY, Dark Gray and Brown, medium stiff, moist
		100			at 11' Silty CLAY, Dark Brown and Gray mottled, stiff to medium stiff, moist (iron flecks, mica flecks)
15				15.0	
			MH		(MH) Clayey SILT, Brown, medium soft, moist
20					Soft, very moist
					at 23.5' Wet
25				25.0	

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 115-3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/5/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0			FLYASH and CILDERS, very dense, very moist
6.0			Dark gray Clayey SILT, very stiff, moist
10.0			Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 121-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/29/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					GRAVEL, CONCRETE
					2.0
		75	SP		(SP) SAND, Brown, medium moist, dense at 2'-3' Sample
					3.0
5					(SM) Silty SAND, Brown, medium moist, dense
			SM		at 5' Silty SAND, Brown, medium with pea-sized GRAVEL, moist, dense
		80			at 8' Silty SAND, Gray, very fine, moist, dense
					9.0
10					(CL-ML) Silty CLAY, Brown with gray mottling, moist, firm at 10'-11' Sample
		100			at 13' Silty CLAY, Brown with gray mottling, moist, stiff, very fine SAND
15			CL-ML		at 16'-17' Sample
		100			Sandy very fine CLAY, Brown with gray mottling, moist, stiff
20					
					22.0
		100	SM		(SM) Clayey SAND, Gray, very fine, moist, dense
25					25.0

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 122-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/29/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					GRAVEL, various FILL, Light Brown, dry
		75			at 3' Various FILL, Black CINDERS, GRAVEL
5					5.0
		75	CL-ML		(CL-ML) Silty CLAY, Brown, moist, firm at 5'-6' Sample at 7' Silty CLAY, Gray, very moist, soft with ASPHALT, GRAVEL at 8' Wood material
10					10.0
			MH		(MH) Clayey SILT, Gray, wet, soft
					11.5
		90	CL-ML		(CL-ML) Silty CLAY, Gray, very moist, soft at 13' Silty CLAY, Brown with gray mottling, moist, stiff
15					17.0
		100			(SM) Silty SAND, Brown, very fine, moist, dense
20			SM		
		100			at 22' Silty SAND, Gray, very fine, moist, dense, soft
25					25.0

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 122-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/29/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					GRAVEL, various FILL, Light Brown, dry
		80			at 2' Various FILL, GRAVEL, Light Gray, dry
5					at 4' Various FILL, Black, CINDERS, GRAVEL
					5.0
		90	CL-ML		(CL-ML) Silty CLAY, Brown, very moist, firm, CINDERS at 6'
10					at 7' Silty CLAY, Brown, moist, stiff
					at 8' Silty CLAY, Gray, very moist, soft
		100			at 11' Silty CLAY, Brown with gray mottling, moist, firm
15					Silty CLAY, Brown with gray mottling, moist, firm with very fine SAND
		100			at 17'-18' Sample
					18.0
20			SM		(SM) Silty SAND, Brown, very fine, moist, dense
		100			at 22' Silty SAND, Gray, very fine, moist, dense, soft
25					25.0

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 122-6

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/29/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					GRAVEL, Gray, crush, dry
5		60			at 2' GRAVEL, pea-sized with fine SAND at 2'-3' Sample (risk assessment) Silty CLAY, Brown, moist, firm
10		60			9.0
		100	SM		(SM) Silty SAND, Dark Gray, very fine, moist, dense at 10'-11' Sample
15		100	CL-ML		12.0 (CL-ML) Silty CLAY, Brown with gray mottling, moist, firm Grading to Sandy CLAY, Brown with gray mottling (very fine sand), moist, firm
20		100			22.0
25		100	SM		(SM) Silty SAND, Gray, very fine, moist, dense
					25.0 Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 148-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/13/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				4" ASPHALT, compacted GRAVEL and FLYASH mix, moist to slightly wet	
11.0					
		CL-ML		(CL-ML) Silty CLAY and FLYASH, Dark Gray, very moist, stiff at 14' Block lens of CLAY/ASH, strong creosote odor at 15' Silty Clay, Brown, moist, stiff	
22.0					

Refusal at 22.0 feet.
Bottom of borehole at 22.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 148-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/13/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				6" GRAVEL cover FLYASH	
5		40			
10		30			
15		50		14.0 Gray brown mottled Silty CLAY, moist, stiff	
20		100			
25		100		22.0 Brown Silty CLAY, moist, stiff grading to	
30		100			
35		100		34.0 Gray Silty SAND/ Sandy SILT, wet @ 36', dense	

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

(Continued Next Page)

WELL NUMBER SWMU 148-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35				Gray Silty SAND/ Sandy SILT, wet @ 36', dense *(continued)*	
		100			
40				40.0	

Bottom of borehole at 40.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 148-3DO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/28/14 **COMPLETED** 10/28/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Drive 3.25" tools to TD. Bedrock refusal at 48'.

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0			No core sampling for this borehole (see log for well 148-3SO)	
5				
10				
15				
20				Bentonite
25				
30				
35				

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

(Continued Next Page)

AECOM
4051 Ogletown rd
Newark, DE 19713

WELL NUMBER SWMU 148-3DO

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35				
40				
45				Sandpack Pre-packed Well Screen

Bottom of borehole at 48.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:43 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 148-3SO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/24/14 **COMPLETED** 10/24/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY AP **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				GRAVEL cover
		90		
3.0				FLYASH, CINDERS, CLAY FILL
5				
		90		
10				
		15		
15				CINDERS, FLYASH, wet
15.0				Sandy CLAY, Gray, moist, firm
		100		
20				Sandy CLAY, Brown, stiff, moist, some mottling
		100		Sandy CLAY, Brown, stiff, gray mottling, wet grading into Silty SAND, Brown, wet, fine grained
24.0				

WELL DIAGRAM: Bentonite; Sandpack; Pre-packed Well Screen; Bentonite

Bottom of borehole at 24.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 148-4DO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/27/14 **COMPLETED** 10/27/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				GRAVEL cover FLYASH, GRAVEL, CINDERS, soft, very moist	
5		5			
10		10			
15		10			
20		10			
25		10		25.0 Silty CLAY, Brown, stiff, very moist	Bentonite
30		10		30.0 Some Sandy SILT, Gray, dense, wet	
35		10			

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

(Continued Next Page)

WELL NUMBER SWMU 148-4DO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35				Some Sandy SILT, Gray, dense, wet *(continued)*	
		20			
40					
		20			
45				45.0	
		50		SAND and GRAVEL, Gray, coarse-grained, loose, wet	Sandpack Pre-packed Well Screen
				48.0	

Bottom of borehole at 48.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 148-4SO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/28/14 **COMPLETED** 10/28/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					
5		10		FILL - FLYASH, CINDERS, SAND, some Clay, Black, petroleum odor	
10		10			Bentonite
15		10		15.0	
20		60		FILL - SAND, Black, coarse-grained, with Silty CLAY, Tan and Gray, wet, strong petroleum odor	Sandpack Pre-packed Well Screen
		50		24.0	

Bottom of borehole at 24.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 148-5DO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DATE STARTED 10/28/14 **COMPLETED** 10/28/14 **GROUND ELEVATION** _____ **HOLE SIZE** 1 in. well, hole 3.5

DRILLING CONTRACTOR Enviroprobe, Inc **GROUND WATER LEVELS:**

DRILLING METHOD Direct Push **AT TIME OF DRILLING** ---

LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury **AT END OF DRILLING** ---

NOTES Concrete refusal at 15' on 1st try. Bedrock-Refusal at 44' on 2nd try.

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0			C&D Landfill (no core sampling) Concrete Refusal at 15' Bedrock Refusal at 44'	
5				
10				
15				
20				Bentonite
25				
30				
35				

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

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WELL NUMBER SWMU 148-5DO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35			C&D Landfill (no core sampling) Concrete Refusal at 15' Bedrock Refusal at 44' *(continued)*	
40				Sandpack Pre-packed Well Screen
			44.0	

Bottom of borehole at 44.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 148-5SO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/24/14 **COMPLETED** 10/24/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY AP **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				GRAVEL cover ASPHALT, CINDERS, BRICK
		80		
				4.0
5				CLAY, Brown, stiff, with GRAVEL
				Sweet Odor
		90		Less Gravel
10				Sandy CLAY, Brown, stiff, wood fibers
				11.0
		90		Silty SAND, Dark Gray, wet, fine grained
				13.0
15				Sandy CLAY, Dark Brown, moist, firm to Sandy CLAY, Gray, moist, soft
		100		grading into at 17' Silty CLAY, Brown, stiff, moist, with gray mottling
20				
		100		Silty CLAY, Brown, stiff, moist
				24.0

WELL DIAGRAM: Bentonite; Sandpack; Pre-packed Well Screen

Bottom of borehole at 24.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 148-6DO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/28/14 **COMPLETED** 10/28/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Direct push to 50'

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0			No core sampling for this borehole (see log for well 148-6SO)	
5				
10				
15				
20				Bentonite
25				
30				
35				

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

(Continued Next Page)

WELL NUMBER SWMU 148-6DO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35			No core sampling for this borehole (see log for well 148-6SO) *(continued)*	
40				
45				Sandpack Pre-packed Well Screen
50			50.0 Coarse Gravel Bedrock refusal at 50'	

Bottom of borehole at 50.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 148-6SO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/24/14 **COMPLETED** 10/24/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY AP **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				GRAVEL cover CINDERS, ASPHALT, BRICKS
		60		
5				
		50		
			8.0	CINDERS
				Clayey SAND, Dark Gray, fine grained
10				Silty SAND, Dark Gray, soft
			11.0	
		60		Sandy CLAY, Dark Gray, moist, firm Some very fine-grained SAND, not wet, increasing moisture
15				
		100		at 16' Silty CLAY, Dark Brown, stiff, moist, with gray mottling
				Wet in some places
20				
		100		Silty CLAY, Brown, firm, moist with less gray mottling
			24.0	Silty SAND, Brown, very fine-grained, very moist, soft, not wet

Bottom of borehole at 24.0 feet.

WELL DIAGRAM: Bentonite; Sandpack; Pre-packed Well Screen

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 150-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/22/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				10" CONCRETE, GRAVEL, FLYASH, FILL, moist, dense	
10				10.0 Silty CLAY, Brown	
15				grading to Clayey SILT, Brown, to Silty very fine-grained SAND, very moist, soft	
20		1 ft Wet zone (soft)			
25				25.0 Silty SAND / Clayey SILT, Light Gray, very moist, medium dense	
30		6" Wet zone			
35				35.0	

Bottom of borehole at 35.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 150-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/27/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				6" ASPHALT, GRAVEL, FLYASH, some soil	
5				5.0	
		CL-ML		(CL-ML) Silty CLAY, Brown, moist, medium stiff	
10					
15				15.0	
		ML		(ML) Sandy SILT, Light Gray, very moist, medium soft	
20				20.0	
		SM		(SM) Silty SAND, Dark Gray, dense, very moist	
25				Wet	
30				30.0	

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 151-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/3/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
				0.5	GRAVEL, at 0.5'Sample
					ASH, CINDERS, GRAVEL
		30			
5					
				7.0	
		50			(CL-ML) Silty CLAY, Dark Gray with CINDERS, moist, firm
					at 9'-10' Sample
10					
		30			at 11' Silty CLAY, Brown with gray mottlings, very stiff, moist
15			CL-ML		
		40			at 18' Silty CLAY, Brown with gray mottling, moist, firm Gray mottlings more wet than brown clay matrix
20					
		50			at 21' Silty CLAY, Brown with gray mottling, very stiff, moist
25				25.0	

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 153-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/21/13 **COMPLETED** 11/21/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Lucinda Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Temporary well point installed

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				FILL, ASPHALT, CONCRETE, BRICK	
2.5		CL-ML		(CL-ML) Silty CLAY, Brown with gray mottling, firm, dry	
5.0		ML		(ML) Sandy SILT, Gray-Brown, dry	
6.0		CL-ML		(CL-ML) Silty CLAY, Gray-Brown with light and dark gray mottling, firm	
10				Silty CLAY, Brown with gray mottling throughout, with some black mottling, firm, dry	
15					
20					
24.0		ML		(ML) Sandy SILT, Brown, crumbly, moist, gray mottling throughout, some black mottling	
25					
30					
32.0		SM		(SM) Silty SAND, Gray, moist, gray mottling throughout	
35				35.0	

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

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WELL NUMBER SWMU 153-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35					
40		SM		(SM) Silty SAND, Gray, wet, gray mottling throughout 40.0	

Bottom of borehole at 40.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 153-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/21/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Lucinda Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Temporary well point installed

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					ASPHALT and CONCRETE	
					1.0	
		60			(CL-ML) Silty CLAY, Brown, gray mottling throughout, dry, very stiff	
5					at 5' some SAND mixed in	
		70	CL-ML		Some black mottling	
10						
		90				
15					15.0	
		100			(ML) Sandy SILT, Brown with gray mottling throughout	
20					a little black mottling, crumbly, dry	
		100				
25			ML		grading to slightly moist, Sandy SILT, Gray	
		100				
30						
		100				
35					at 35' wet	
					35.0	

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GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 153-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35						
		100	ML		(ML) Sandy SILT, Brown with gray mottling throughout a little black mottling, crumbly, dry	
40					40.0	

Bottom of borehole at 40.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 155-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/3/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
			CL-ML		(CL-ML) Silty CLAY, Brown, soft, moist with some GRAVEL at 0.5'-1' Sample
		60			2.0 Crush and run GRAVEL
			CL-ML		3.0 (CL-ML) Silty CLAY, Brown, moist, stiff Increasing fine SAND, WOOD material (railroad ties)
5					6.0
		80			Black CINDERS at 8'-9' Diesel odor, sheen PID 8.0
			CL-ML		(CL-ML) Silty CLAY, Gray, moist, firm, with WOOD pieces
10					at 10.5' Silty CLAY, Brown with gray mottling, moist, stiff
		100			at 12'-13' Sample
15					
		100			at 16'-20' Increased gray mottling Increased fine SAND
20					
		100			at 22'-23' Sample 23.0
			SM		(SM) Silty Sand, Brown, very fine, dense, moist
25					25.0

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 158-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/20/13 **COMPLETED** 11/20/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Temporary well point installed

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				Very hard, compacted GRAVEL, then compacted FLYASH	
5				5.0	
				(CL-ML) Silty CLAY, Brown, slightly moist, very stiff	
10					
15					
20		CL-ML		Silty CLAY, Gray, moist, medium stiff	
25					
30					
				at 33' very moist, soft	
35				35.0	

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

(Continued Next Page)

WELL NUMBER SWMU 158-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35					
40		SM		(SM) Silty SAND, Gray, very fine-grained, wet, dense, heaving 40.0	

Bottom of borehole at 40.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 158-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/20/13 **COMPLETED** 11/20/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Lucinda Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Temporary well point installed

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				GRAVEL, FLYASH, BRICKS, Silty CLAY, moist	
				Same, with black mottling throughout and some roots	
5				5.0	
				(CL-ML) Silty CLAY, Brown, with FILL, FLYASH, gray and black mottling throughout, moist	
				Silty CLAY, Brown, gray mottling throughout, slight odor, becoming firmer with depth	
10					
15		CL-ML		Silty CLAY, Brown, becoming less firm and more crumbly	
20				Silty CLAY, Gray, strong odor, moister with depth, turning to Silty SAND	
25					
30				30.0	
				(SM) Silty SAND, Gray, very wet, strong odor	
		SM			
35				35.0	

Bottom of borehole at 35.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 158-3DO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DATE STARTED 10/22/14 **COMPLETED** 10/29/14 **GROUND ELEVATION** _____ **HOLE SIZE** 1 in. well, hole 3.5

DRILLING CONTRACTOR Enviroprobe, Inc **GROUND WATER LEVELS:**

DRILLING METHOD Direct Push **AT TIME OF DRILLING** ---

LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury **AT END OF DRILLING** ---

NOTES Multiple Refusal

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				GRAVEL cover FILL - SAND, CINDERS, ASH	
		80		at 4' wet - water perched on top of clay	
5				5.0 Silty CLAY, Gray, moist, stiff	
		90		at 9' Silty CLAY, Brown with orange mottling, moist, soft to medium stiff	
10					
		90			
15				grading to	
		90			
20					← Bentonite
		100		Clayey SILT, Brown/Orange, very moist, dense/stiff	
25				25.0 Abrupt change to Sandy SILT / Clayey SILT, Light Gray	
		100		at 27' wet	
30				28.0 Silty SAND, Light Gray, very fine-grained, wet, dense	
				32.0	
		100		Clayey SILT, Light Gray, very moist to wet, stiff	
35				35.0	

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

(Continued Next Page)

WELL NUMBER SWMU 158-3DO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35				SAND, Light Gray, very fine-grained, wet, very dense	
				37.0 GRAVEL, Coarse, wet, very dense	
				38.0 Heaving sands encountered. Direct push drill rod to 50' to set well.	
40					Heave
45					Sandpack
					Pre-packed Well Screen
50				50.0	

Bottom of borehole at 50.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 158-3SO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/23/14 **COMPLETED** 10/23/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				GRAVEL cover FILL - SAND, CINDERS, ASH, Wet - water perched on top of clay fill	
5		90		5.0 Silty CLAY, Gray, moist, stiff	Bentonite
10		90		Silty CLAY, Brown with orange mottling, moist, soft to medium stiff, minor wet gray clay "tubes"	
15		90			Sandpack Pre-packed Well Screen
20		90		20.0	

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

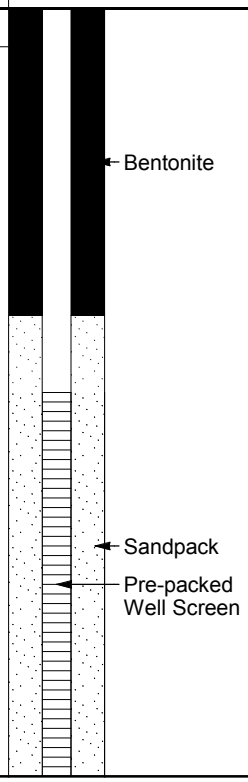
WELL NUMBER SWMU 158-4SO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/22/14 **COMPLETED** 10/22/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Multiple Refusal

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				ASPHALT/GRAVEL cover. 1' FLYASH/CINDERS
1.0				Silty CLAY, Dark Brown with gray mottling, moist, medium stiff
		80		
5				Silty CLAY, Dark Gray with brown mottling, moist, medium stiff
		100		Silty CLAY, Brown and orange mottled, moist, medium stiff Has very small wet lenses but not all saturated
10				
		100		
15				grading to Silty CLAY, Brown and Orange, stiff, more dry-slightly moist
20				
20.0				Bottom of borehole at 20.0 feet.

WELL DIAGRAM



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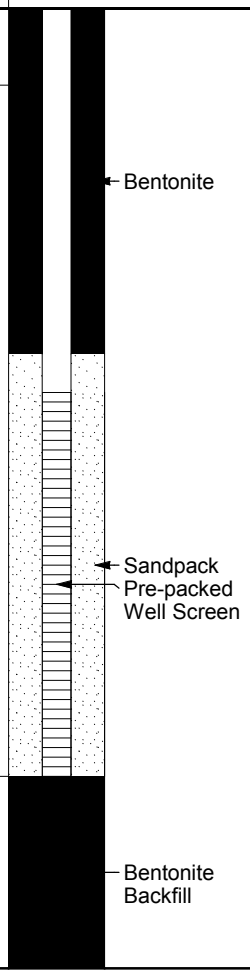
WELL NUMBER SWMU 158-5SO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/22/14 **COMPLETED** 10/22/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				ASPHALT cover 6" FLYASH and CINDERS, Silty CLAY, Dark Gray, moist, stiff
2.0		90		Silty CLAY, Light Gray, moist, medium soft
5		90		Silty CLAY, Brown and orange mottled, moist, medium soft, minor wet lenses
10		100		grading to Silty CLAY, stiff, slightly moist
15		100		grading to
20		100		Clayey SILT, Brown and Gray, slightly moist, stiff
20.0				
25				
25.0				Bottom of borehole at 25.0 feet.



WELL DIAGRAM

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEW\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 158-6DO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 1/30/14 **COMPLETED** 10/30/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Direct Push with exp. point to 43' below ground surface

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0			No core sampling for this borehole (see Log for well 158-6SO)	
5				
10				
15				
20				Bentonite
25				
30				
35				

(Continued Next Page)

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

WELL NUMBER SWMU 158-6DO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont **PROJECT NAME** Belle Phase IV RFI

PROJECT NUMBER 18986236 **PROJECT LOCATION** Belle, WV

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35				
40			43.0 Refusal at 43'	Sandpack; Pre-packed Well Screen

Bottom of borehole at 43.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

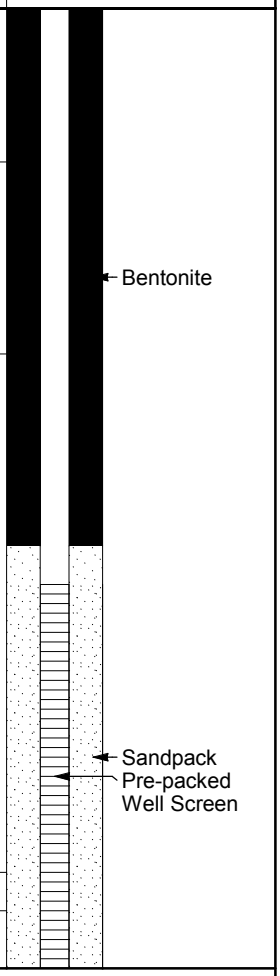
WELL NUMBER SWMU 158-6SO

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 10/29/14 **COMPLETED** 10/30/14
GROUND ELEVATION _____ **HOLE SIZE** 1 in. well, hole 3.5
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				GRAVEL cover Silty CLAY FILL, Brown, moist, stiff
		100		
4.0				
5				FLYASH, CINDERS, BRICK, minimal Soil, very moist to slightly wet, dense/stiff then soft
		100		
9.0				
10				Silty CLAY (FILL), Gray, moist, stiff Silty CLAY, Brown, moist, stiff
		100		
15				
		100		
20				
		100		
22.5				CLAY soft at 22.5'
23.5				SAND lens, wet, soft, very fine-grained
				Silty CLAY, Brown, moist, medium stiff
25				
25.0				Bottom of borehole at 25.0 feet.

WELL DIAGRAM



GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 189-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/17/13 **COMPLETED** 12/17/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY _____ **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
	—	Shovel sample	CL-ML	1.0	(CL-ML) GRAVEL ballast, Silty CLAY, Brown

Bottom of borehole at 1.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 191-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/28/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY A Pearce **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					0-0.5' GRAVEL Various FILL, GRAVEL, CINDERS, ASH, Dark Gray
5		50			
					6.0
		50	CL-ML		(CL-ML) Silty CLAY, Gray, very moist, firm at 8' Silty CLAY, Brown with gray mottling, moist, stiff
10					
		100			
15					
		100			at 18'-20' Silty CLAY, Brown with gray mottling, gray and black mottlings, moist, medium stiff
20					
		100			at 21'-22' Sample
					23.0
25			SC		(SC) Silty SAND, Gray, fine, wet, dense
					25.0

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 191-2-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/19/13 **COMPLETED** 11/19/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Lucinda Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				
		80		FLYASH, CINDERS, some GRAVEL, Black throughout, minor Sandy CLAY, moist, stiff/loose
3.0				Bottom of borehole at 3.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 191-2-3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/19/13 **COMPLETED** 11/19/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Lucinda Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				
		30		FLYASH, GRAVEL, minor soil content
3.0				

Bottom of borehole at 3.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 191-2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 11/10/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				Black CINDERS, FLYASH, BRICK, some soil
6.0				(CL-ML) Very abrupt, Silty CLAY, Brown and Gray mottled, very firm, moist
25.0		CL-ML		Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192- 1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/23/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FLYASH, CINDERS, wet
5		40			
10		10			
15		10			
20		0			20.0
25		50	GP		(GP) Sandy GRAVEL, Brown, coarse-grained, very dense, wet
					25.0

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192- 2

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/22/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FLYASH, CINDERS, GRAVEL
5		40			
10		40			10.0
15		70	CL-ML		(CL-ML) Silty CLAY, Dark Gray, grading to Silty CLAY, Light Gray with brown mottling, stiff, moist
20		100	SM		18.0 (SM) Silty SAND, Brown, dense, wet 20.0

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192- 3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/2/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FLYASH, CINDERS, a few spots with some CLAY FILL (less than 5" each)
5		20			
10		20			
15		20			
20					21.0
25			SP		(SP) Coarse GRAVEL and SAND, wet, loose
30					30.0

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192- 4

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/21/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Concrete refusal in all 3 offsets

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0			GRAVEL, mostly CLAY FILL, some CINDERS, very hard material
5			5.0

Refusal at 5.0 feet.
Bottom of borehole at 5.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192- 5

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/20/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FLYASH, CINDERS, very minor amount of BRICK, dirt, etc. All fill loose, wet
5		20			
10		20			
15		20			
					15.0
20		25	CL-ML		(CL-ML) Silty CLAY, Brown, medium soft to medium stiff, very moist grading to Silty SAND, Brown, very fine-grained, wet, medium dense
25		30			
					25.0
					Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192- 6

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/21/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					
		70			FLYASH, GRAVEL, BRICK fragments
5					5.0
		80	CL-ML		(CL-ML) Silty CLAY, Brown, stiff, moist
10					10.0
		20			FLYASH, CINDERS, Black
15					
		40			
20					20.0
		100	SP		(SP) SAND, Black, very fine-grained, dense, wet
					23.0
					FLYASH and goo, Black, strong odor
					24.0
25					(CL-ML) Silty CLAY, Dark Gray, soft, moist
		100	CL-ML		
30					30.0

Bottom of borehole at 30.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192- 7

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/18/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Also SF-6

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				6" ASPHALT and large GRAVEL and FILL
5		25		
10		25		at 6' Black CINDERS with some FILL dirt and BRICKS
15		25		at 12' CINDERS, FLYASH, BRICK
20		90		at 15' CINDERS, FLYASH, CLINKER Wet at 16'
				20.0

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192- 8

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/18/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION
0				FLYASH, CINDERS, NO BRICK
5		25		
10		25		
15		25		
20		50		at 19'-19.5' Clayey FILL dirt lense with strong odor, wet
				20.0 Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192- 9

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/19/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Also SF-4

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FLYASH, CINDERS, Clayey FILL, Black
5		25			
10		25			
15		25			
					14.0
		75	CL		(CL) CLAY with BRICKS and GRAVEL fragments, Dark Gray
					18.0
20			CL-ML		(CL-ML) Silty CLAY, Brown, appears native but has an odor
					20.0

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192-10

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/19/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FLYASH and CINDERS
		25			
5					
		50			
10			CL-ML		(CL-ML) Silty CLAY, Dark Brown with gray mottling, soft, moist Grading to Silty CLAY, Dark Gray with brown mottling, moist, soft FLYASH found throughout
		75			
15					
		100	MH		(MH) Clayey SILT, Brown with minor mottling, very firm, moist
20					

6.0
17.0
20.0

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192-11

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/20/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Also SF-1

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FLYASH, CINDERS, miscellanous FILL/CLAY, soft, moist to wet
5		50			(CL-ML) Grading from Silty CLAY, Brown and stiff to Silty CLAY, Brown, soft, moist
10		20			10.0
15		70	MH CL-ML		(MH) Clayey SILT, Gray, stiff 14.0 (MH) Clayey SILT, Gray, stiff, transitioning to Silty CLAY, Brown with gray mottling, very stiff
20		100	MH		20.0
25					25.0

Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192-12

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/19/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES Tub drain (sump) area next to Simmons Creek. Drilling location is 10' below normal grade.

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				0.5	6" Creek GRAVEL with SILT
			ML	2.0	(ML) SILT, Brown with minor GRAVEL
		50			(CL-ML) Silty CLAY, Dark Gray grading to Silty CLAY, Light Gray, very moist, firm, has an odor
5					
		90			
10					
		90	CL-ML		at 10' Silty CLAY, Dark Brown, stiff, moist grading to Silty CLAY, Brown with gray mottling, soft, moist
15					
		100			
20				20.0	

Bottom of borehole at 20.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192-13-1-2-3

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/12/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0			GRAVEL cover, FLYASH, GRAVEL mix, mixed FILL
4.0			Bottom of borehole at 4.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192-13

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 2/20/12 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0					FILL (FLYASH, CINDERS, GRAVEL)
5		30			
		50			6.0 (CL-ML) Silty CLAY, Medium to Dark Brown with light gray mottling, stiff and moist
10		100			
15		100	CL-ML		at 14' Silty CLAY, Gray, soft, moist Grading to Silty CLAY, Brown with minor gray mottling with mica flecks (turning stiff, moist)
20		100			
25					25.0 Bottom of borehole at 25.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192-2-1

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/10/13 **COMPLETED** 12/10/13
GROUND ELEVATION _____ **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			NO FIELD INFORMATION RECORDED Samples were collected at: SWMU192-2-1(0.5) SWMU192-2-2(0.5) SWMU192-2-3(0.5)
2.5			
3.0			Bottom of borehole at 3.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

BORING NUMBER SWMU 192-4A

AECOM
4051 Ogletown rd
Newark, DE 19713

CLIENT DuPont
PROJECT NAME Belle Phase IV RFI
PROJECT NUMBER 18986236
PROJECT LOCATION Belle, WV
DATE STARTED 12/10/13 **COMPLETED**
GROUND ELEVATION **HOLE SIZE** 3.5 inches
DRILLING CONTRACTOR Enviroprobe, Inc
GROUND WATER LEVELS:
DRILLING METHOD Geoprobe
AT TIME OF DRILLING ---
LOGGED BY Rob Kendall **CHECKED BY** Tobin Lounsbury
AT END OF DRILLING ---
NOTES

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
0			2" ASPHALT, 2" FLYASH, 2' Silty CLAY, Brown, hard, dry; then back to FLYASH
5			GRAVEL and FLYASH, extremely compacted
			Bottom of borehole at 8.0 feet.

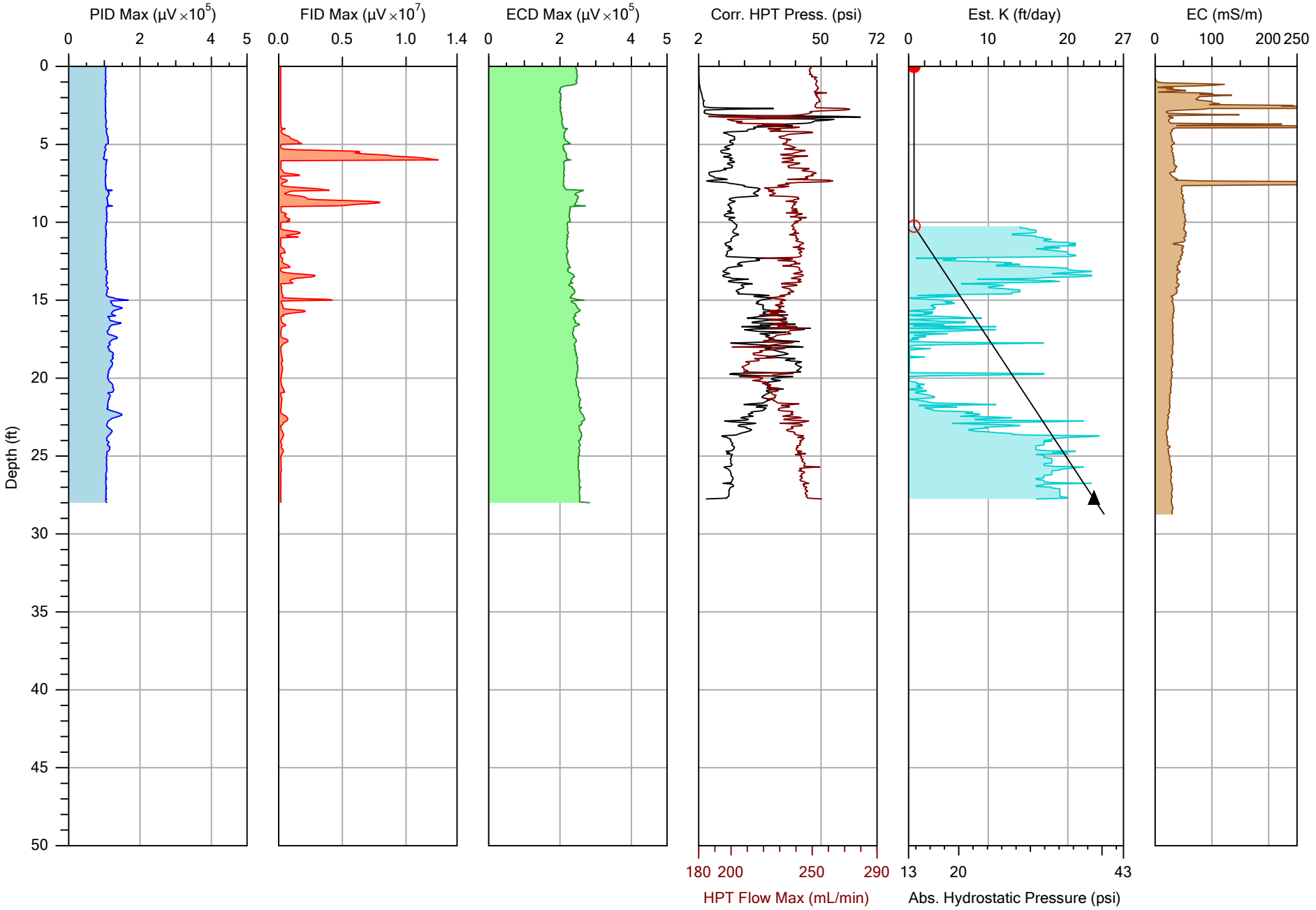
5.0

8.0

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 11/11/15 16:44 - V:\PROJECTS\DUPONT\GEOLOGY\GINT\PROJECTS\BELLEWV\BELLE_PHASEIV_RFI.GPJ

Appendix H

MIPS Logs



COLUMBIA TECHNOLOGIES

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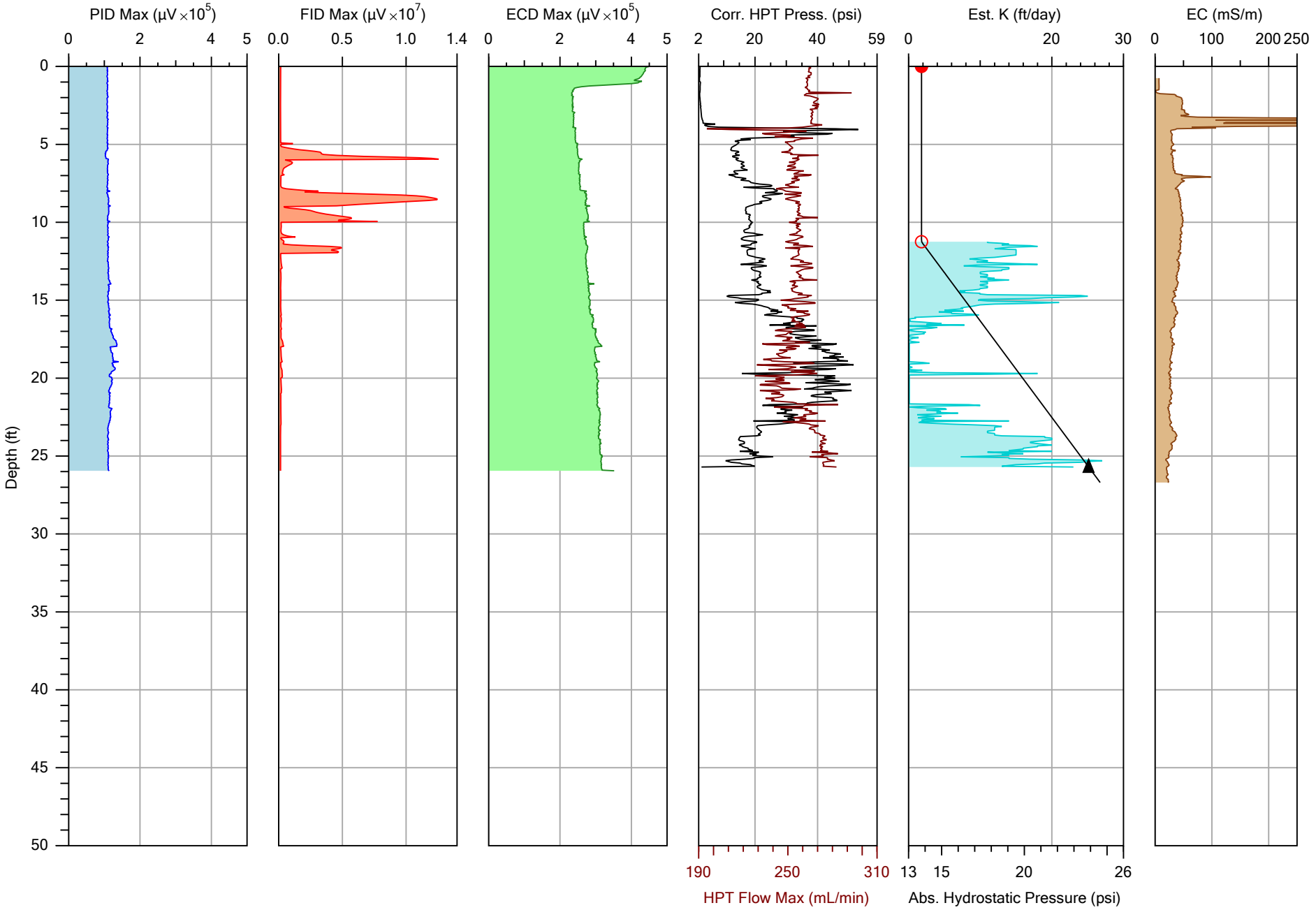
Company: Columbia Technologies	Operator: DJM	Date: 11/9/2012
Project ID: Belle, WV	Client: URS	Location:



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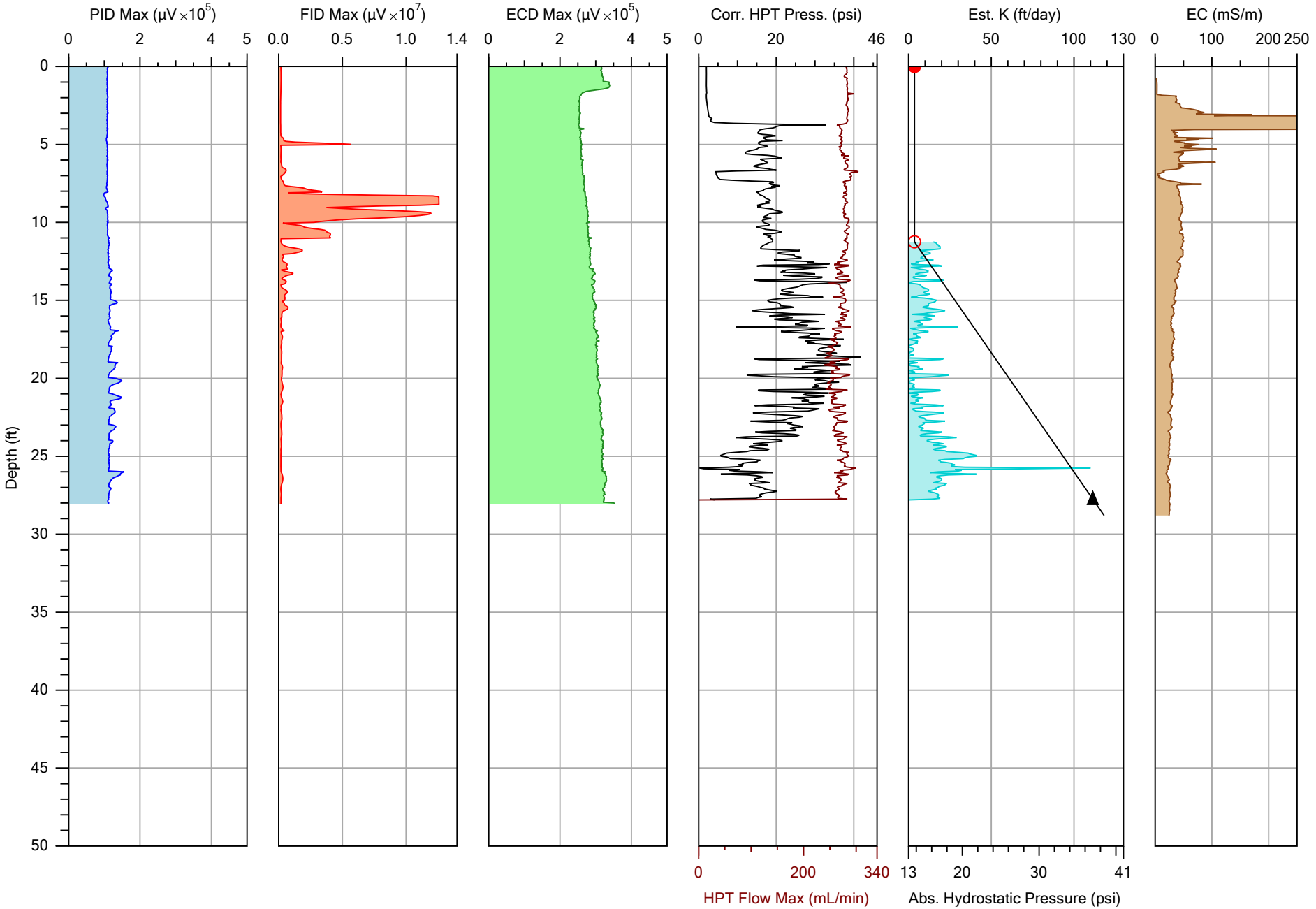
Company: Columbia Technologies	Operator: DJM	Date: 11/9/2012
Project ID: Belle, WV	Client: URS	Location:



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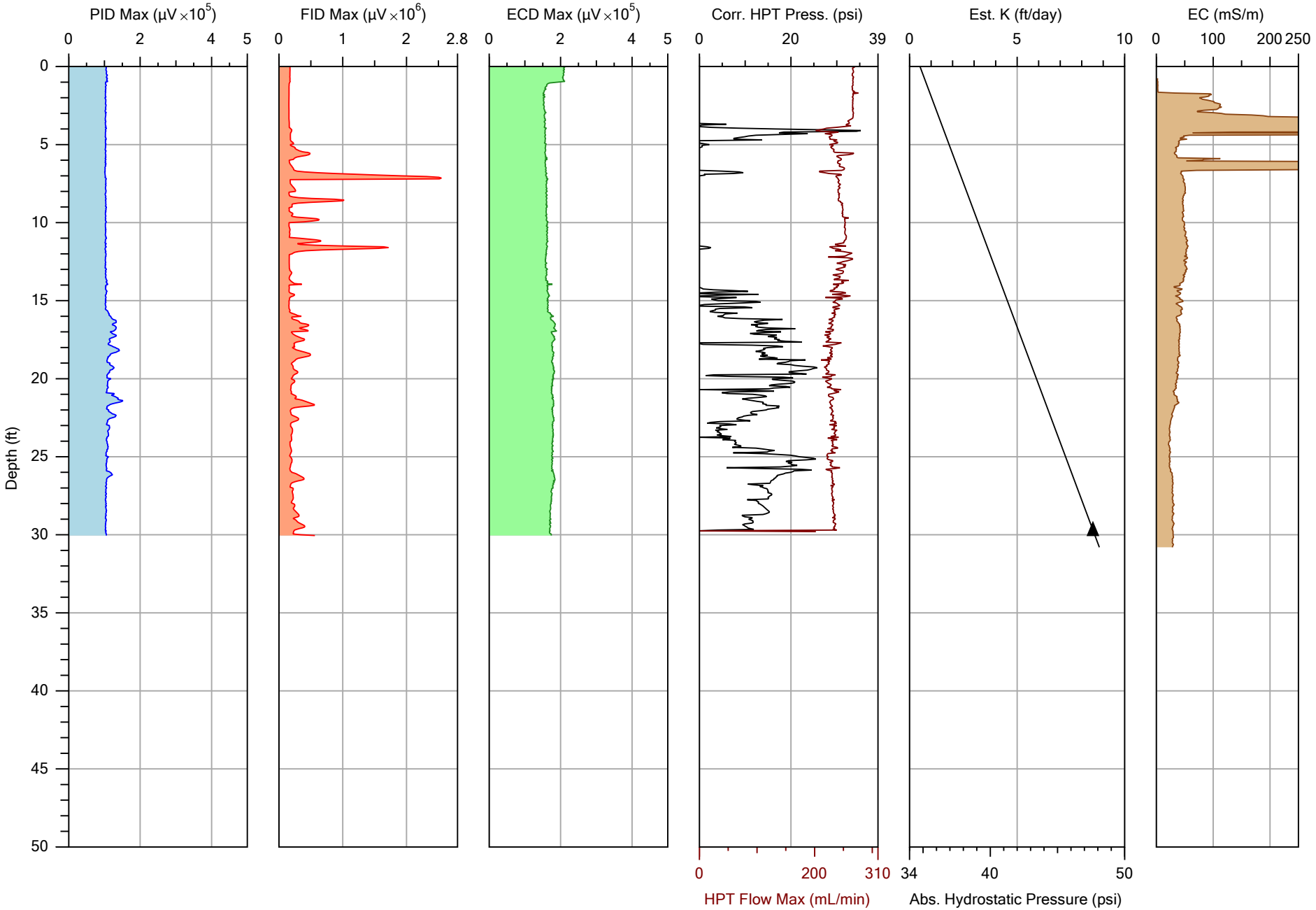
Company: Columbia Technologies	Operator: DJM	Date: 11/9/2012
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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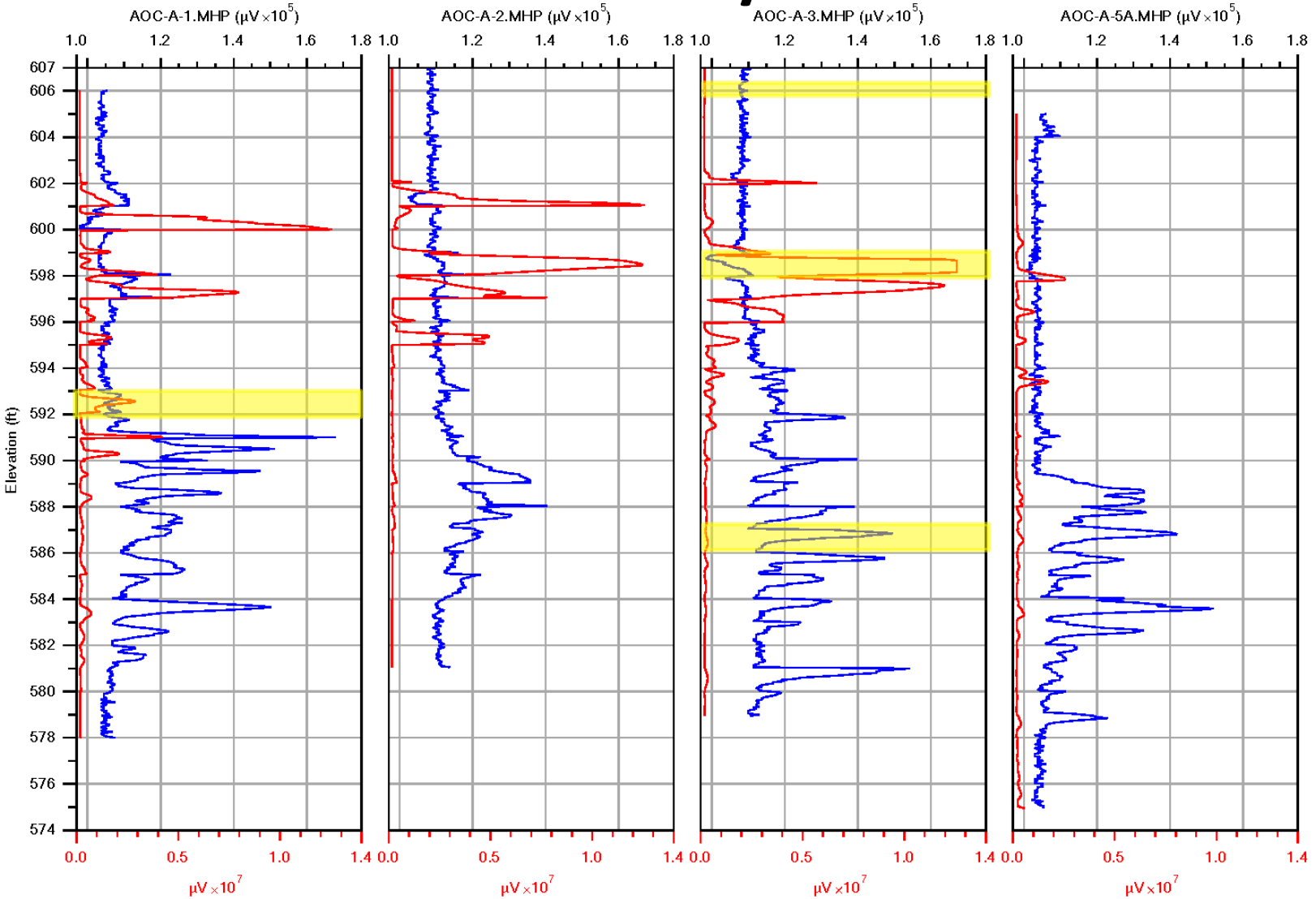
		File: AOC-A-5A.MHP
Company: Columbia Technologies	Operator: DJM	Date: 11/8/2012
Project ID: Belle, WV	Client: URS	Location:

AOCA PID/FID



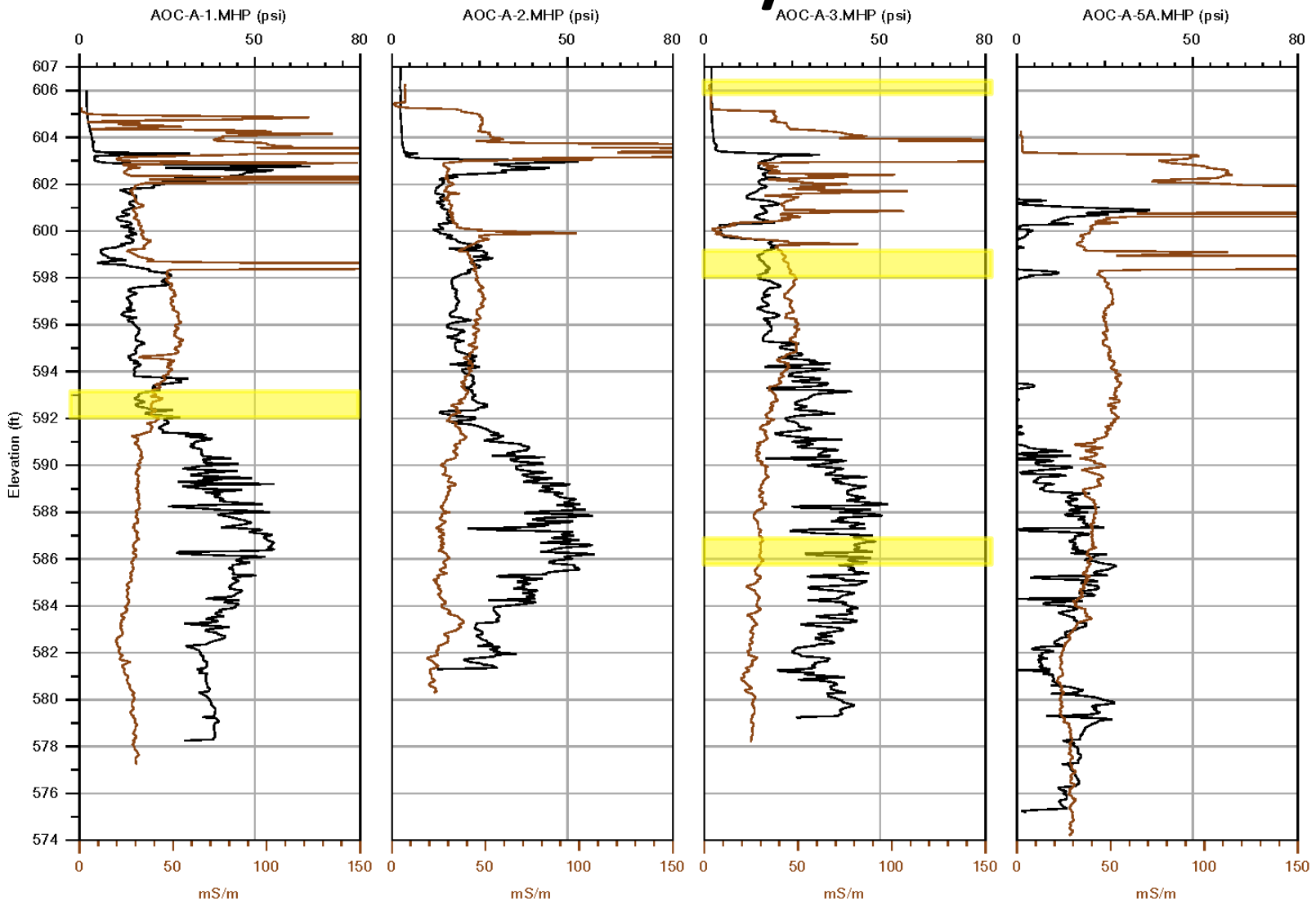
COLUMBIA TECHNOLOGIES

PID Max / FID Max

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

AOC-A-1.MHP	11/9/2012
AOC-A-2.MHP	11/9/2012
AOC-A-3.MHP	11/9/2012
AOC-A-5A.MHP	11/8/2012

AOCA HPT/EC

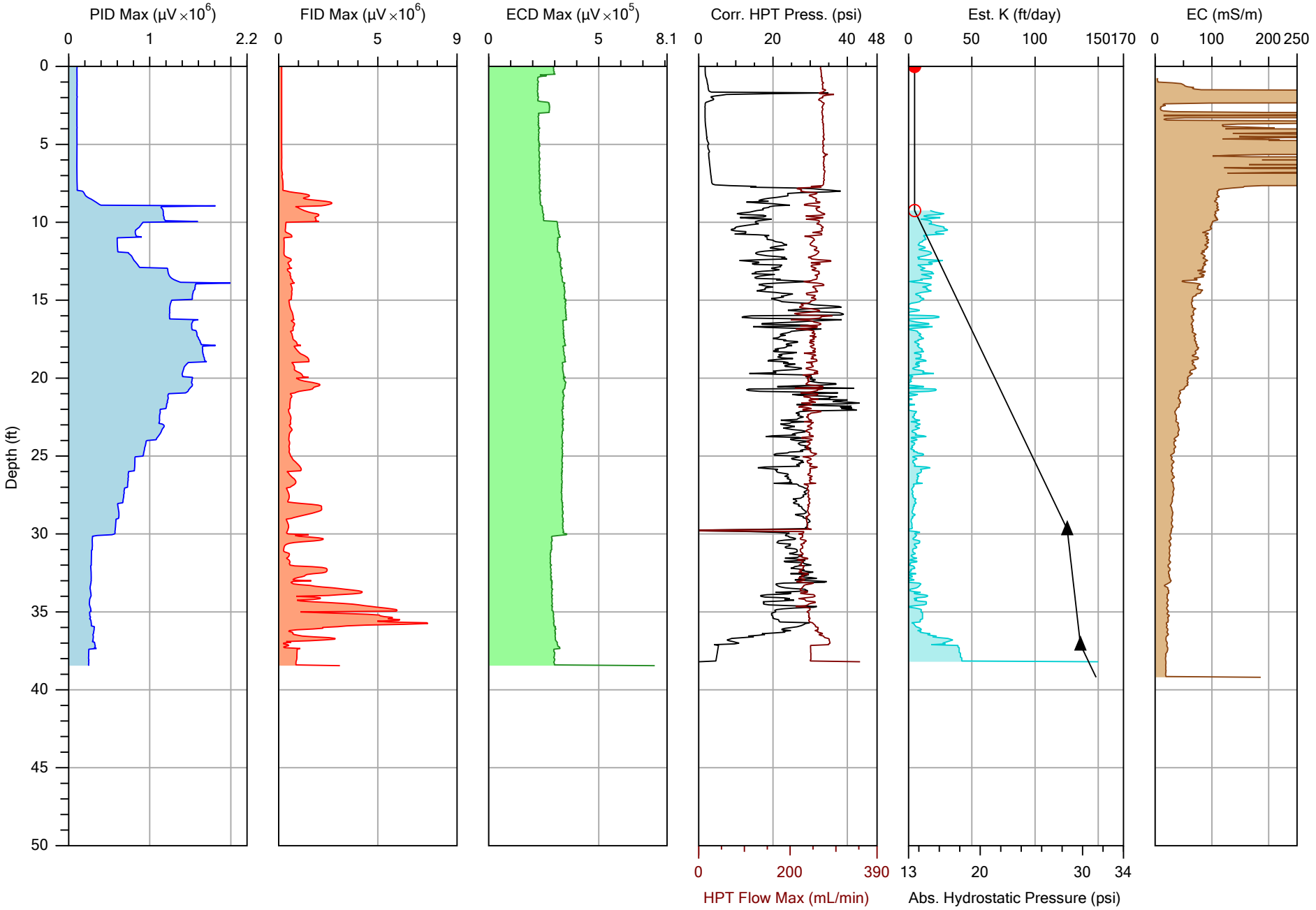


COLUMBIA TECHNOLOGIES

Corr. HPT Press. / EC

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

AOC-A-1.MHP	11/9/2012
AOC-A-2.MHP	11/9/2012
AOC-A-3.MHP	11/9/2012
AOC-A-5A.MHP	11/8/2012



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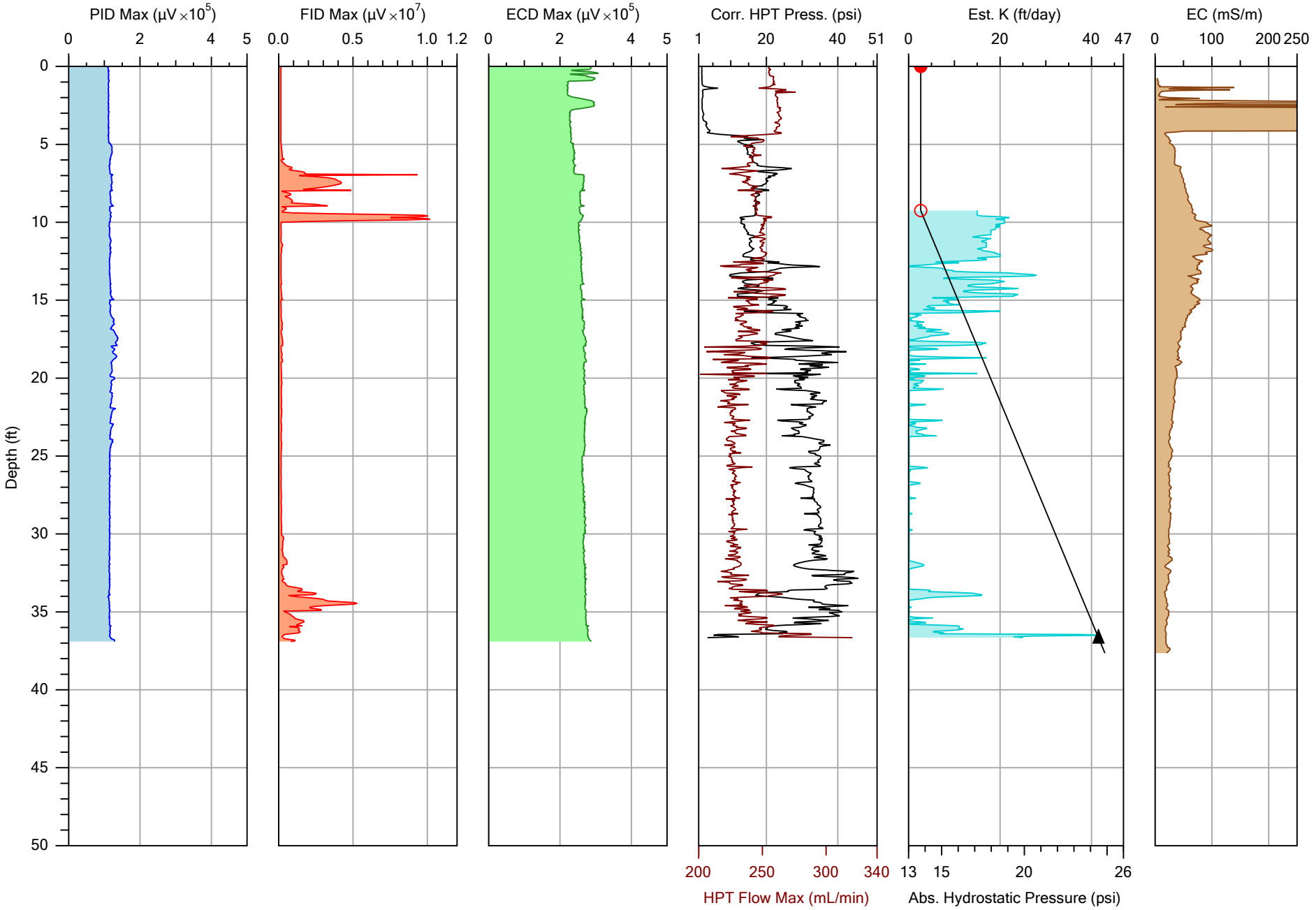
Project ID: Belle, WV	Client: URS	Location:



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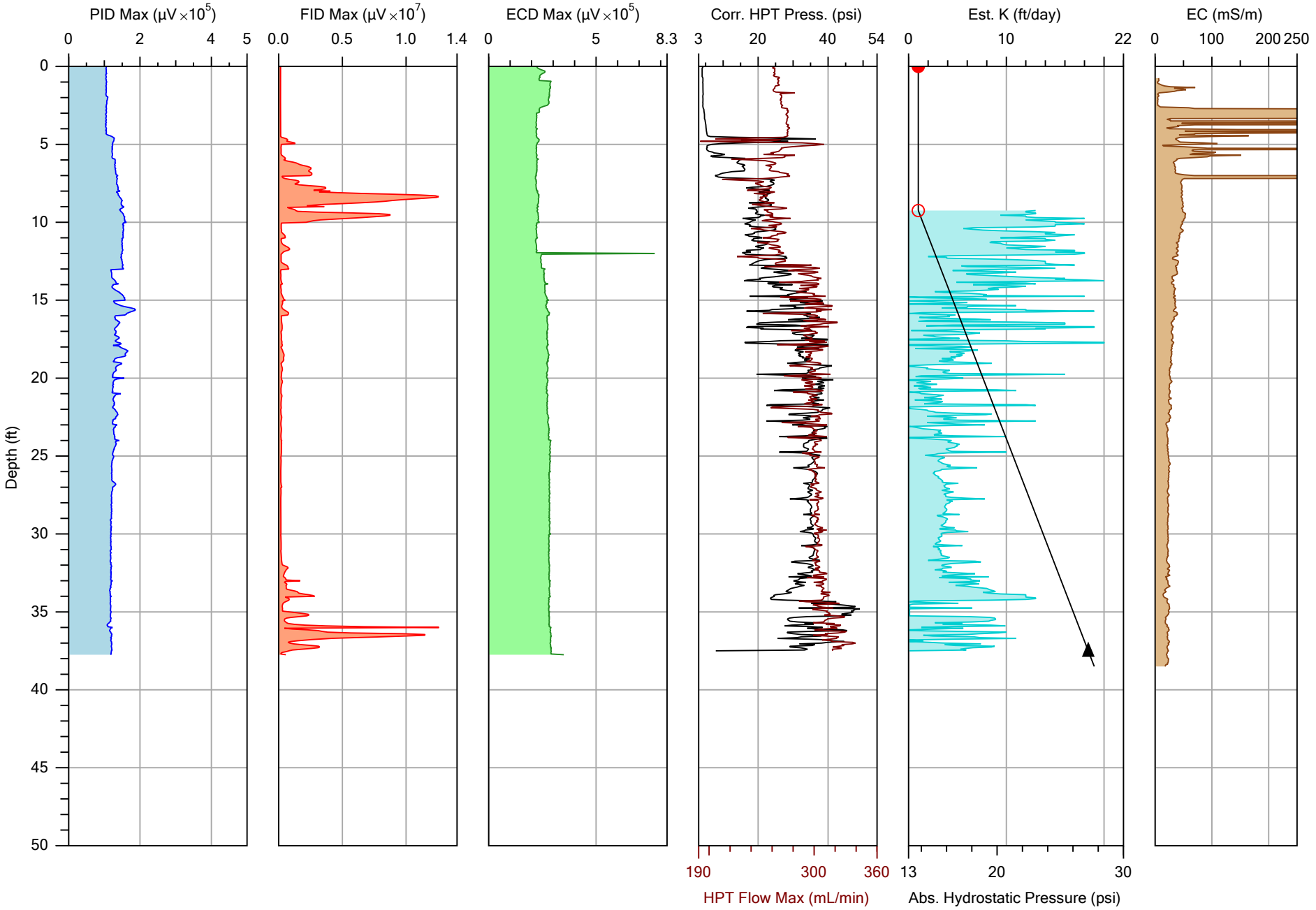
Company: Columbia Technologies	Operator: DJM	Date: 11/8/2012
Project ID: Belle, WV	Client: URS	Location:



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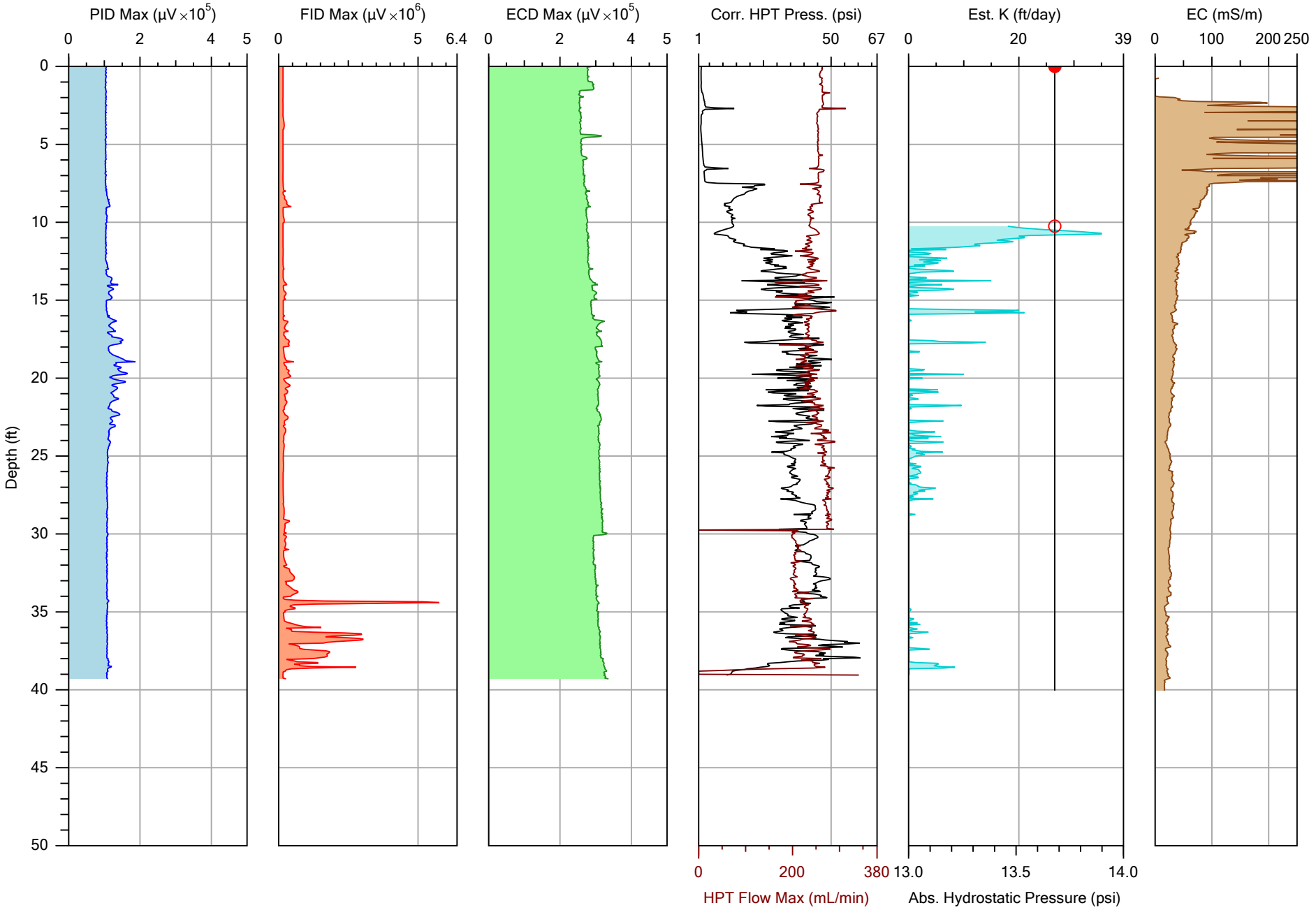

COLUMBIA TECHNOLOGIES

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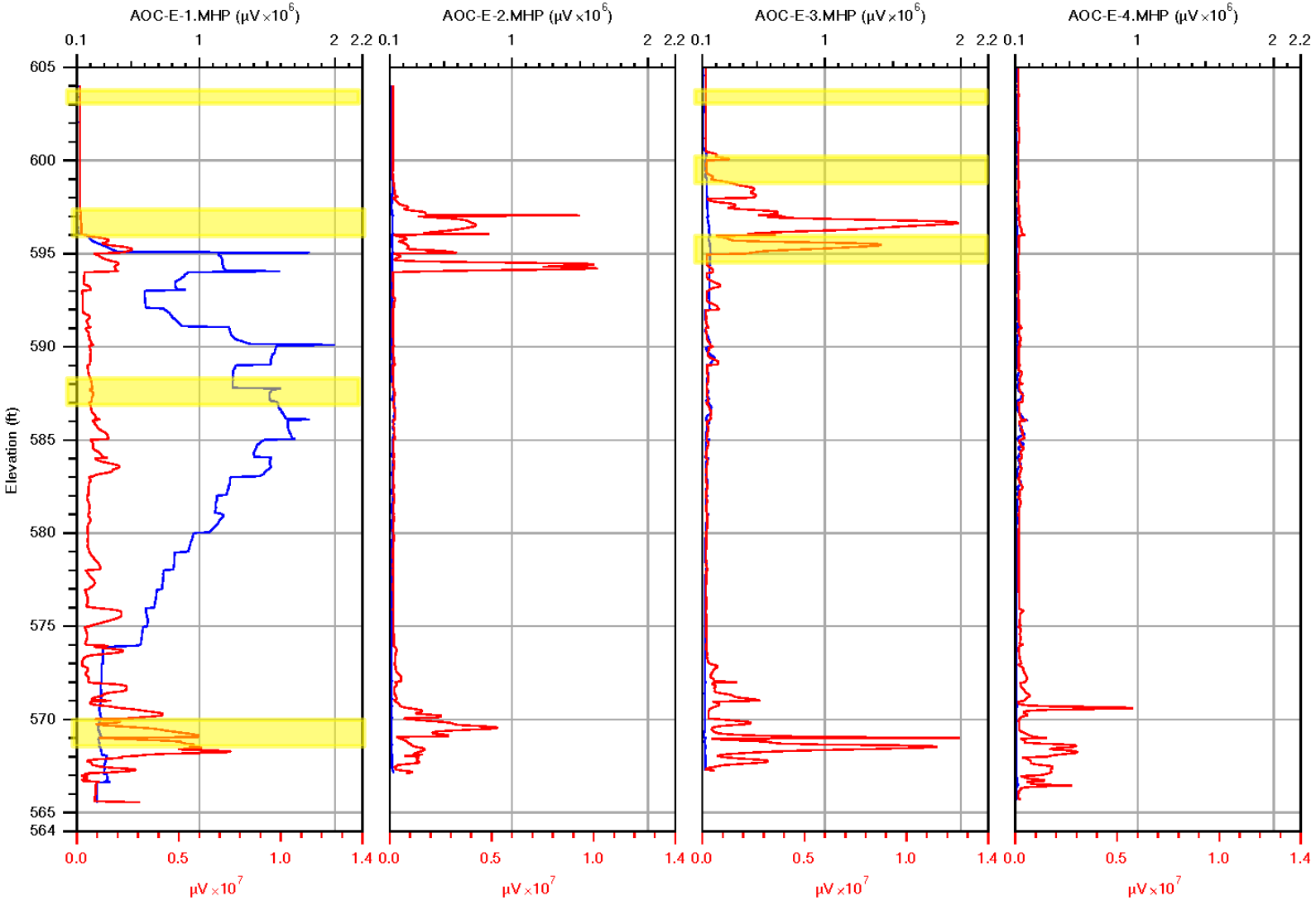
Project ID: Belle, WV	Client: URS	Location:

AOCE PID/FID



COLUMBIA TECHNOLOGIES

PID Max / FID Max

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

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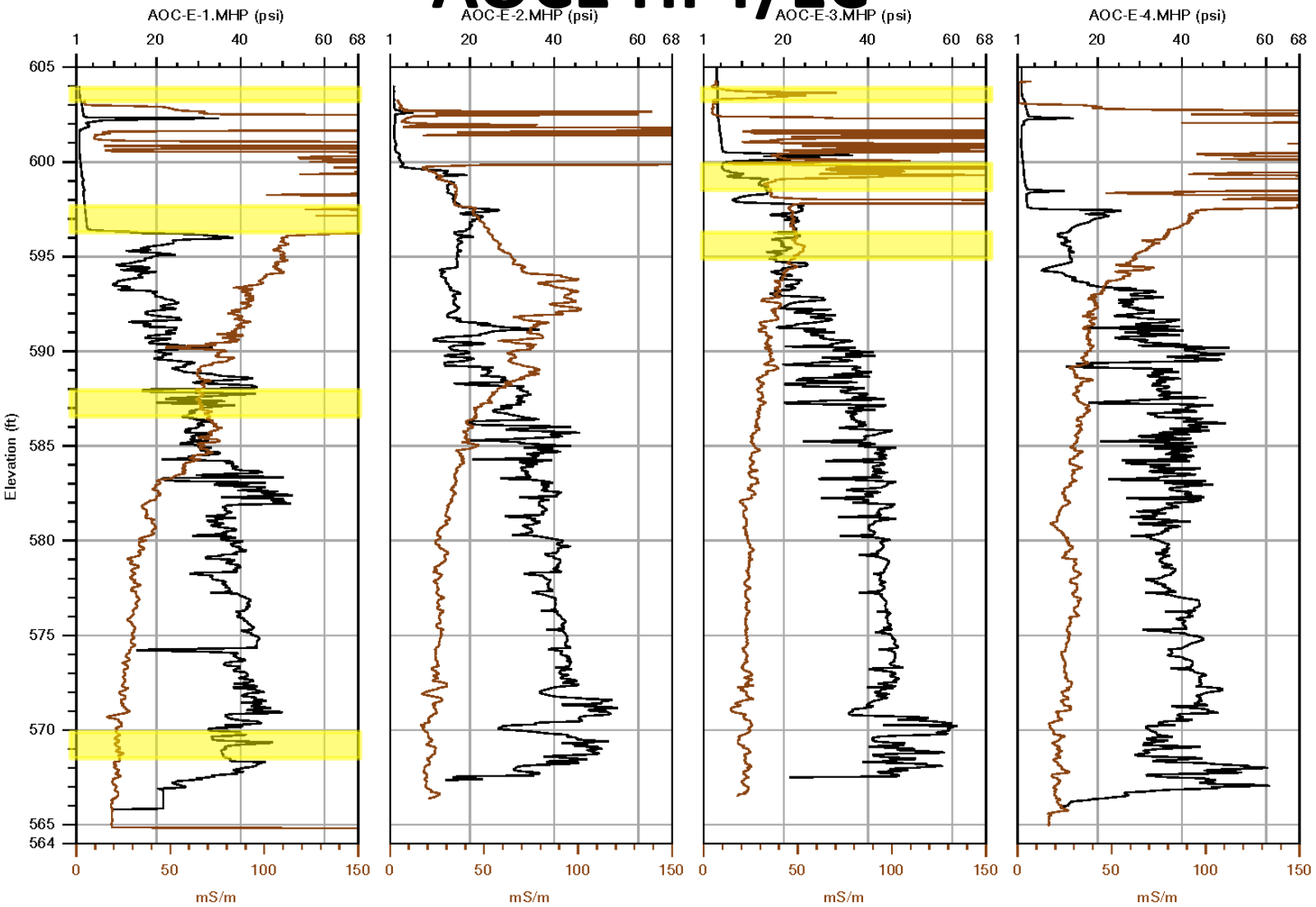
AOC-E-2.MHP	11/8/2012
AOC-E-3.MHP	11/8/2012
AOC-E-4.MHP	11/8/2012

AOCE HPT/EC



COLUMBIA TECHNOLOGIES

Corr. HPT Press. / EC

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

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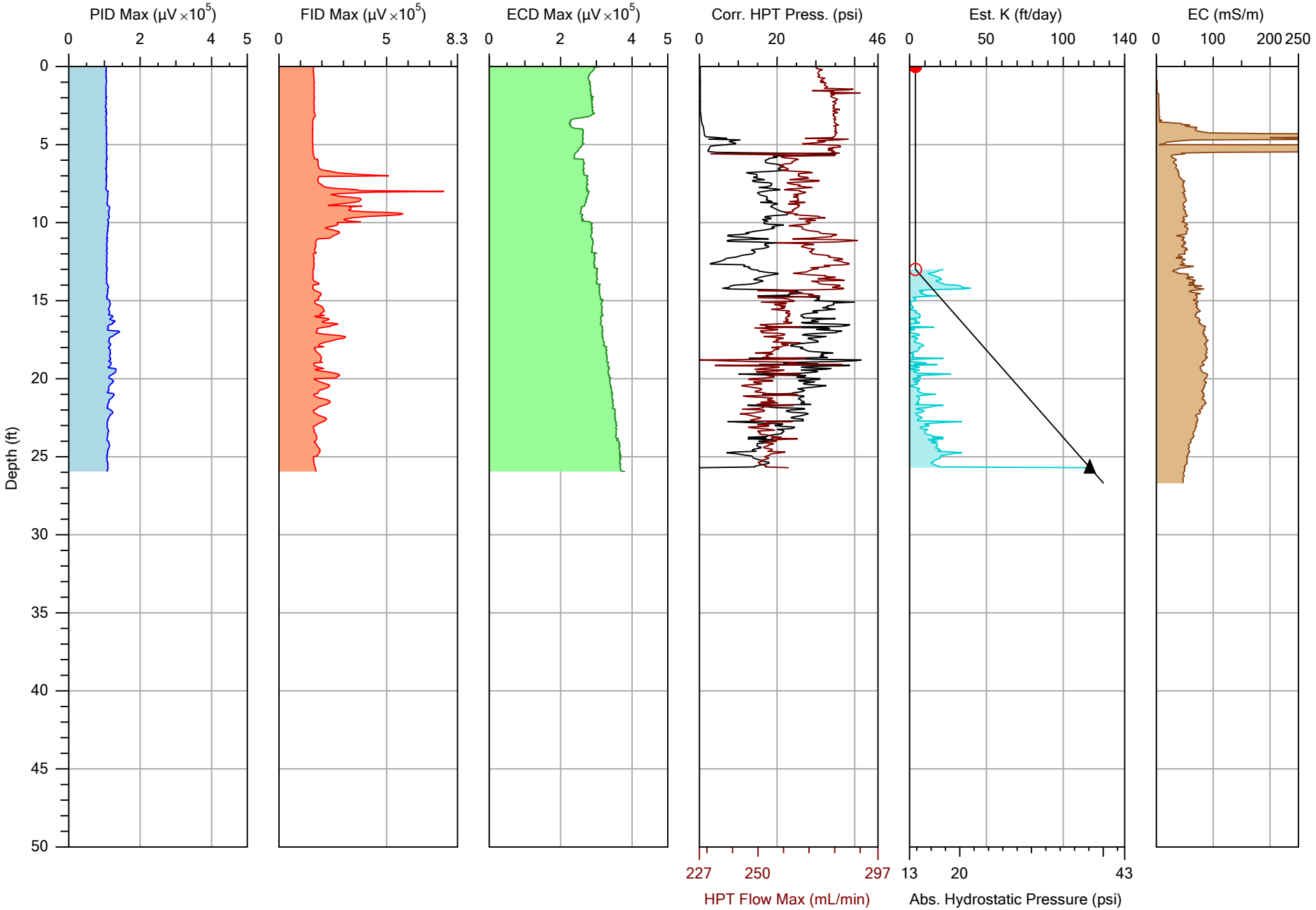
AOC-E-2.MHP	11/8/2012
AOC-E-3.MHP	11/8/2012
AOC-E-4.MHP	11/8/2012



COLUMBIA TECHNOLOGIES

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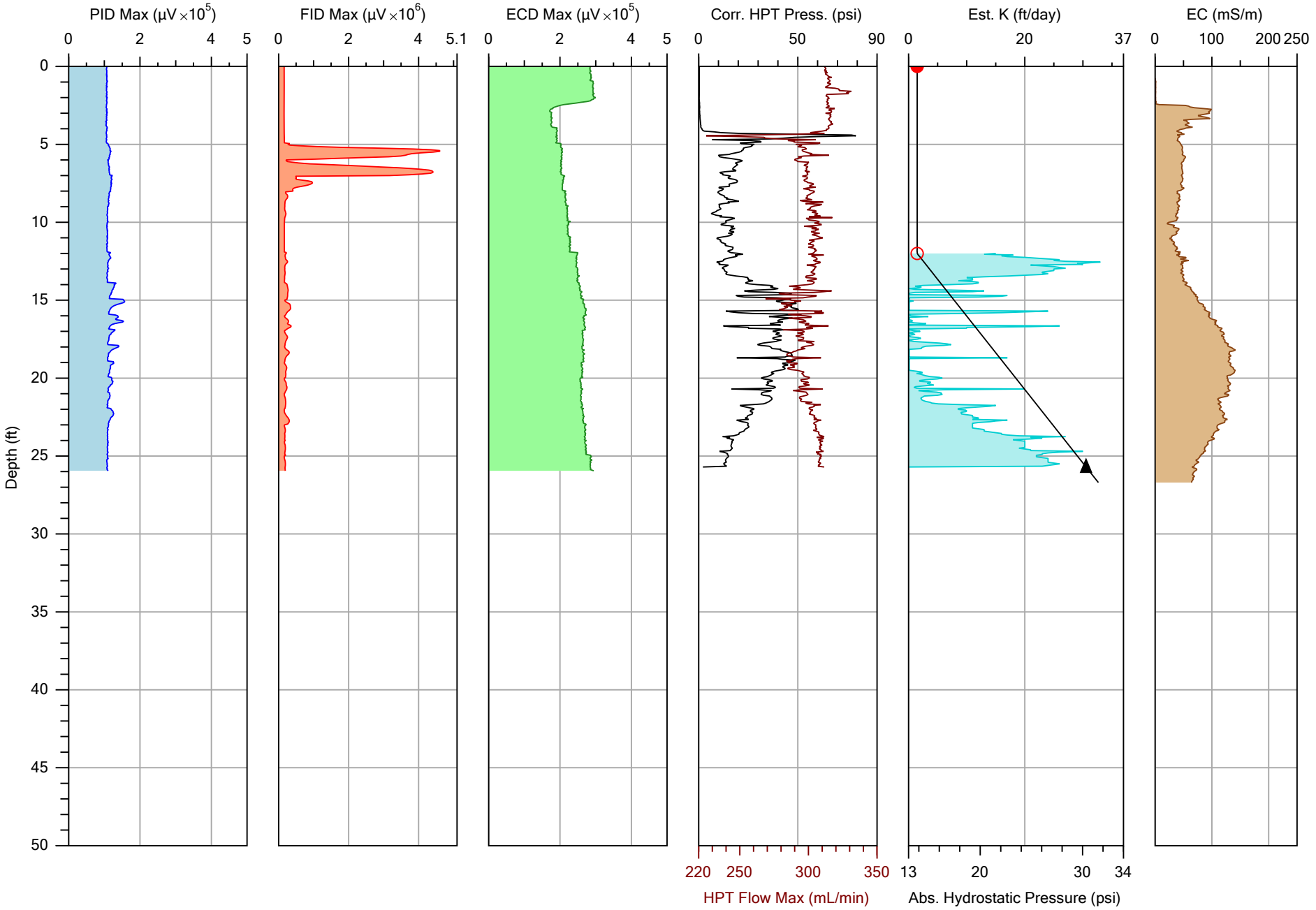
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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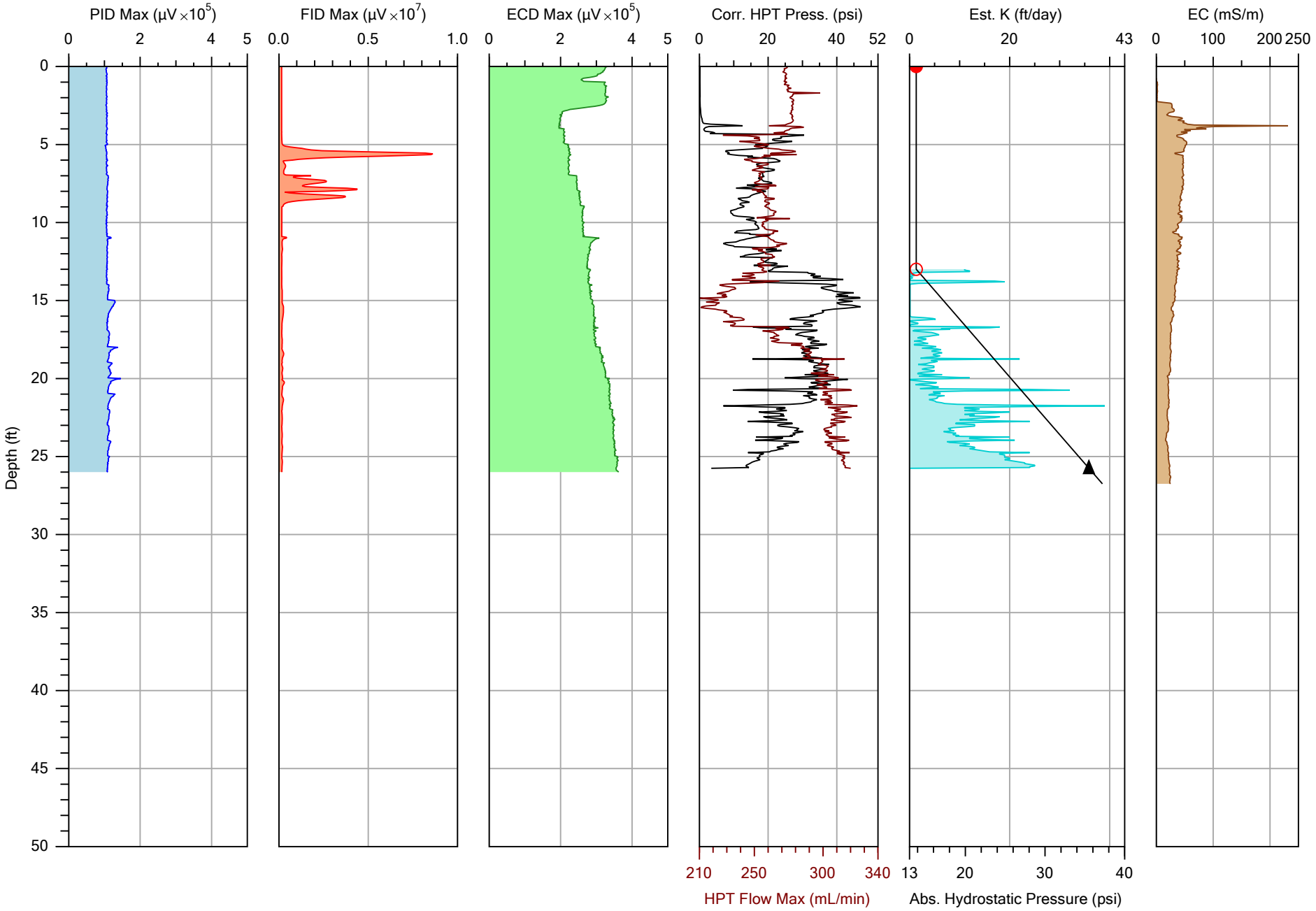
Company: Columbia Technologies	Operator: DJM	Date: 11/11/2012
Project ID: Belle, WV	Client: URS	Location:



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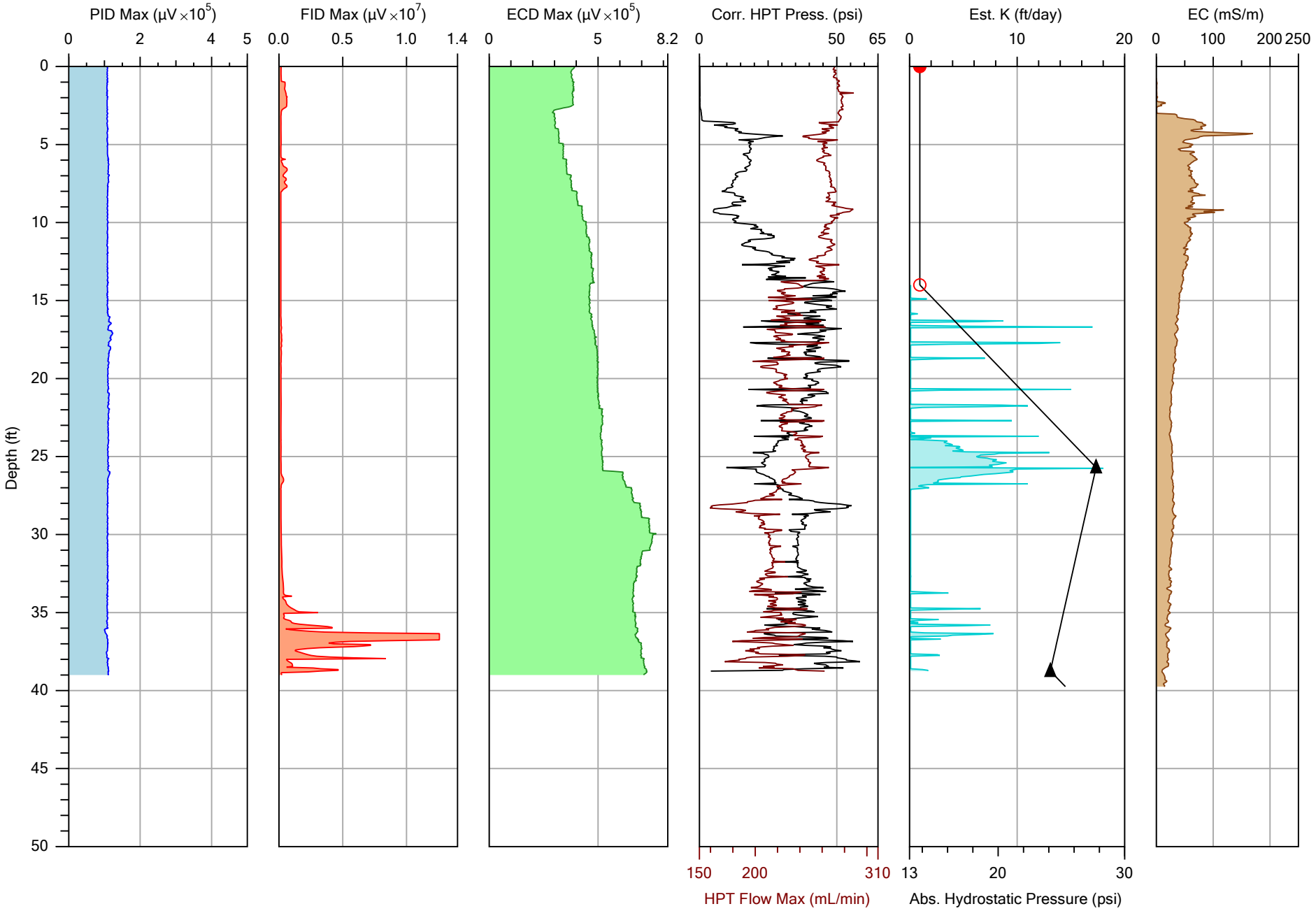
Company: Columbia Technologies	Operator: DJM	Date: 11/11/2012
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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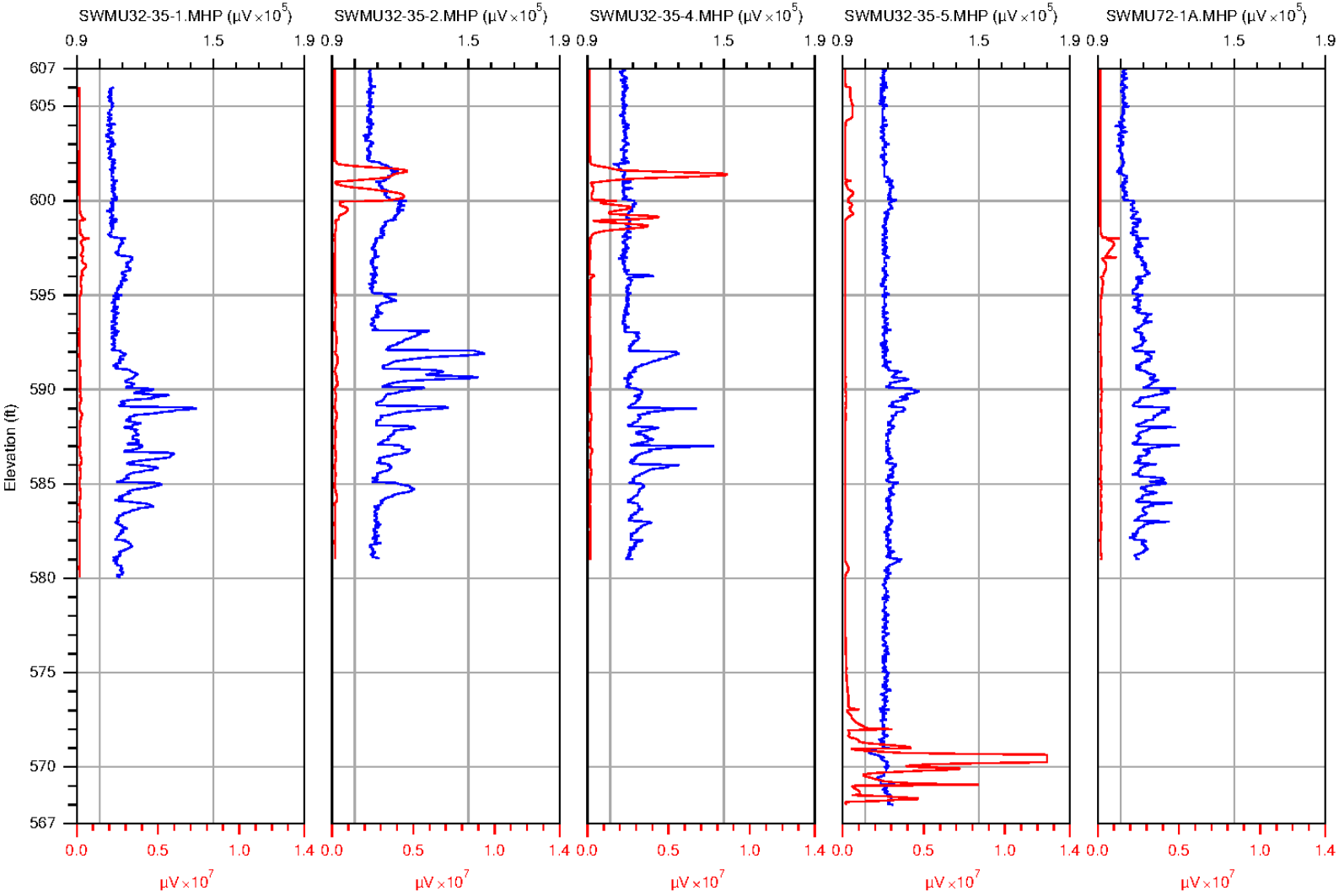
		File: SWMU32-35-5.MHP
Company: Columbia Technologies	Operator: DJM	Date: 11/11/2012
Project ID: Belle, WV	Client: URS	Location:

SWMU32-35 & SWMU72 PID/FID



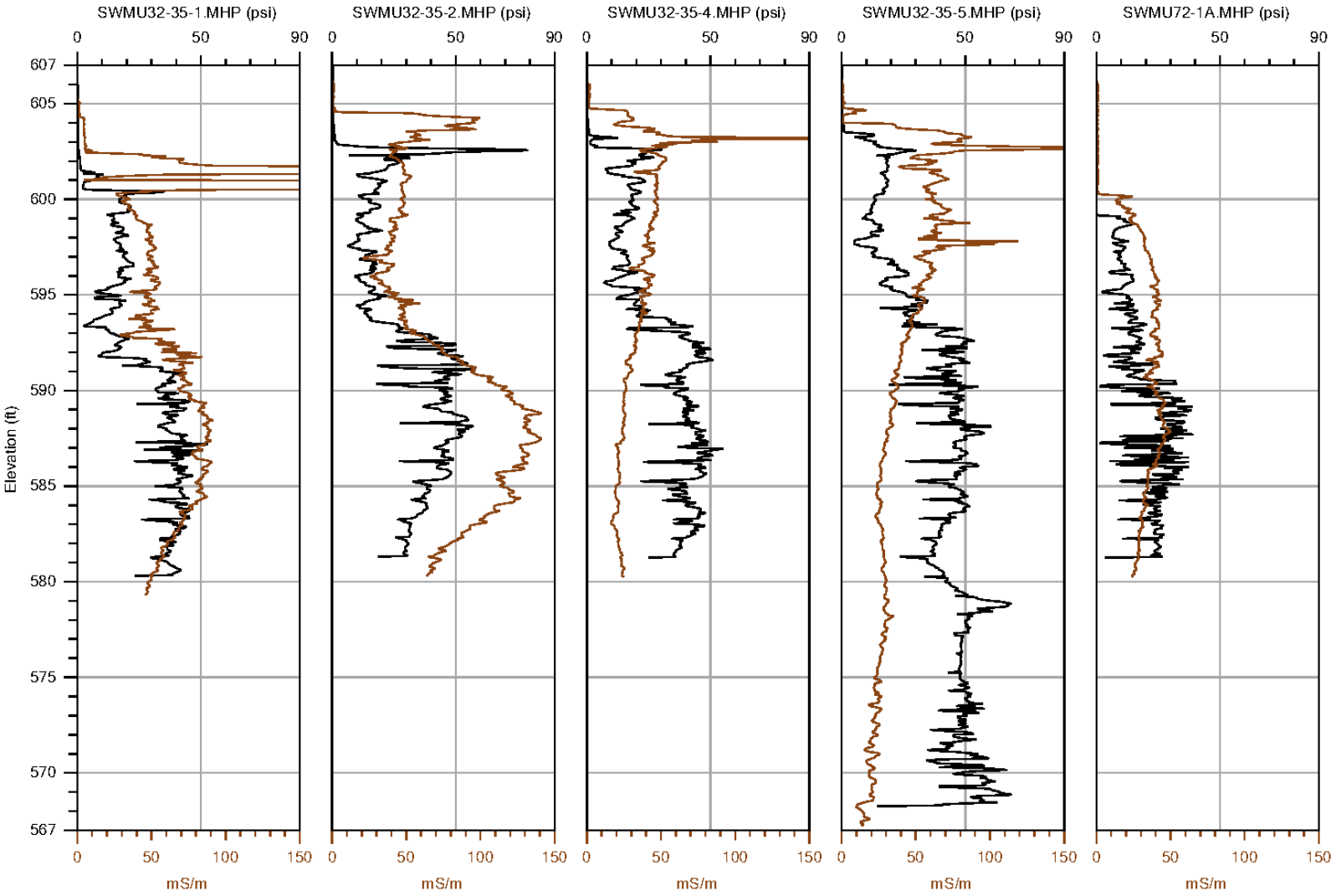
COLUMBIA TECHNOLOGIES

PID Max / FID Max

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU32-35-1.MHP	11/11/2012
SWMU32-35-2.MHP	11/11/2012
SWMU32-35-4.MHP	11/11/2012
SWMU32-35-5.MHP	11/11/2012
SWMU72-1A.MHP	11/10/2012

SWMU32-35 & SWMU72 HPT/EC

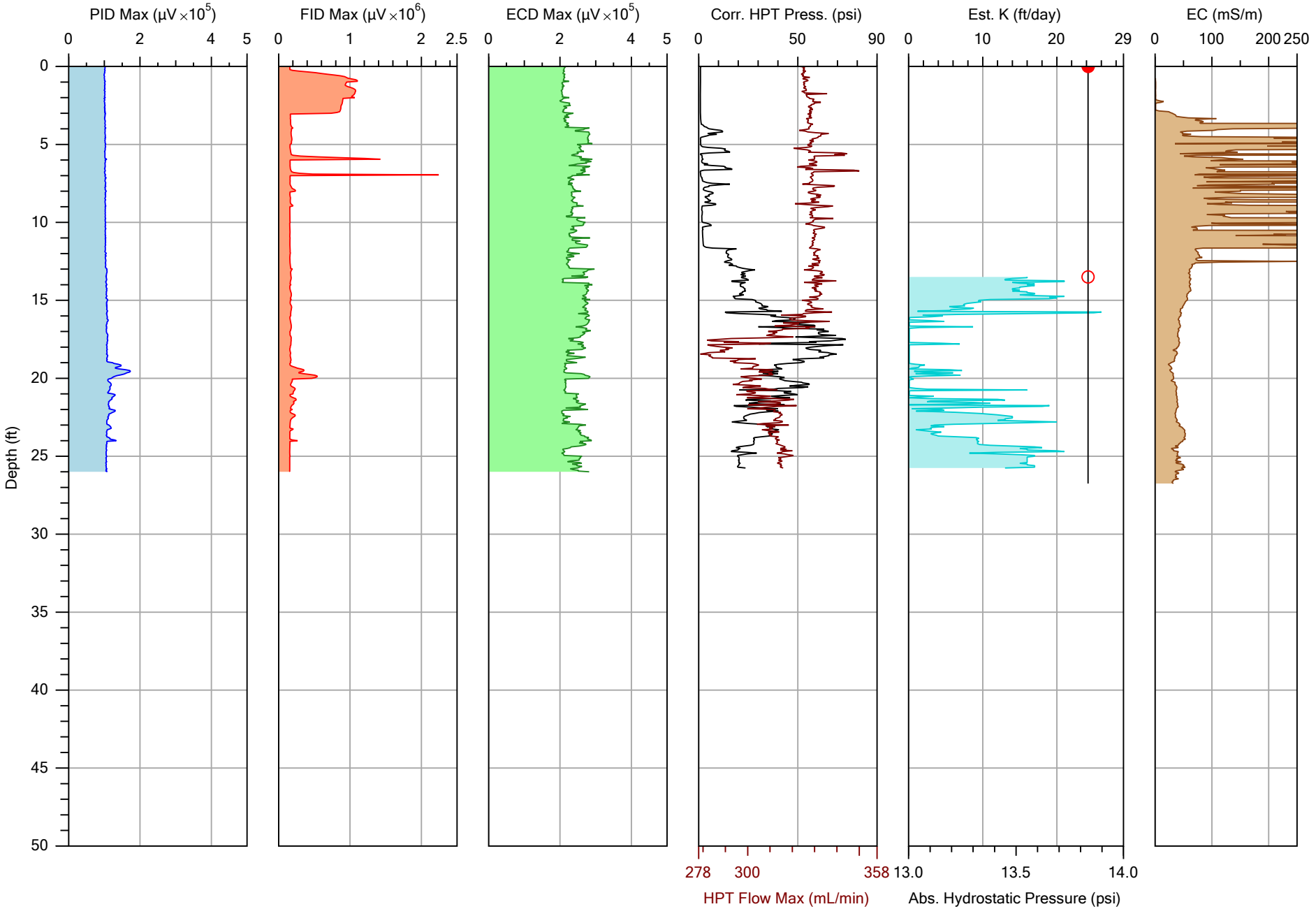


COLUMBIA TECHNOLOGIES

Corr. HPT Press. / EC

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU32-35-1.MHP	11/11/2012
SWMU32-35-2.MHP	11/11/2012
SWMU32-35-4.MHP	11/11/2012
SWMU32-35-5.MHP	11/11/2012
SWMU72-1A.MHP	11/10/2012



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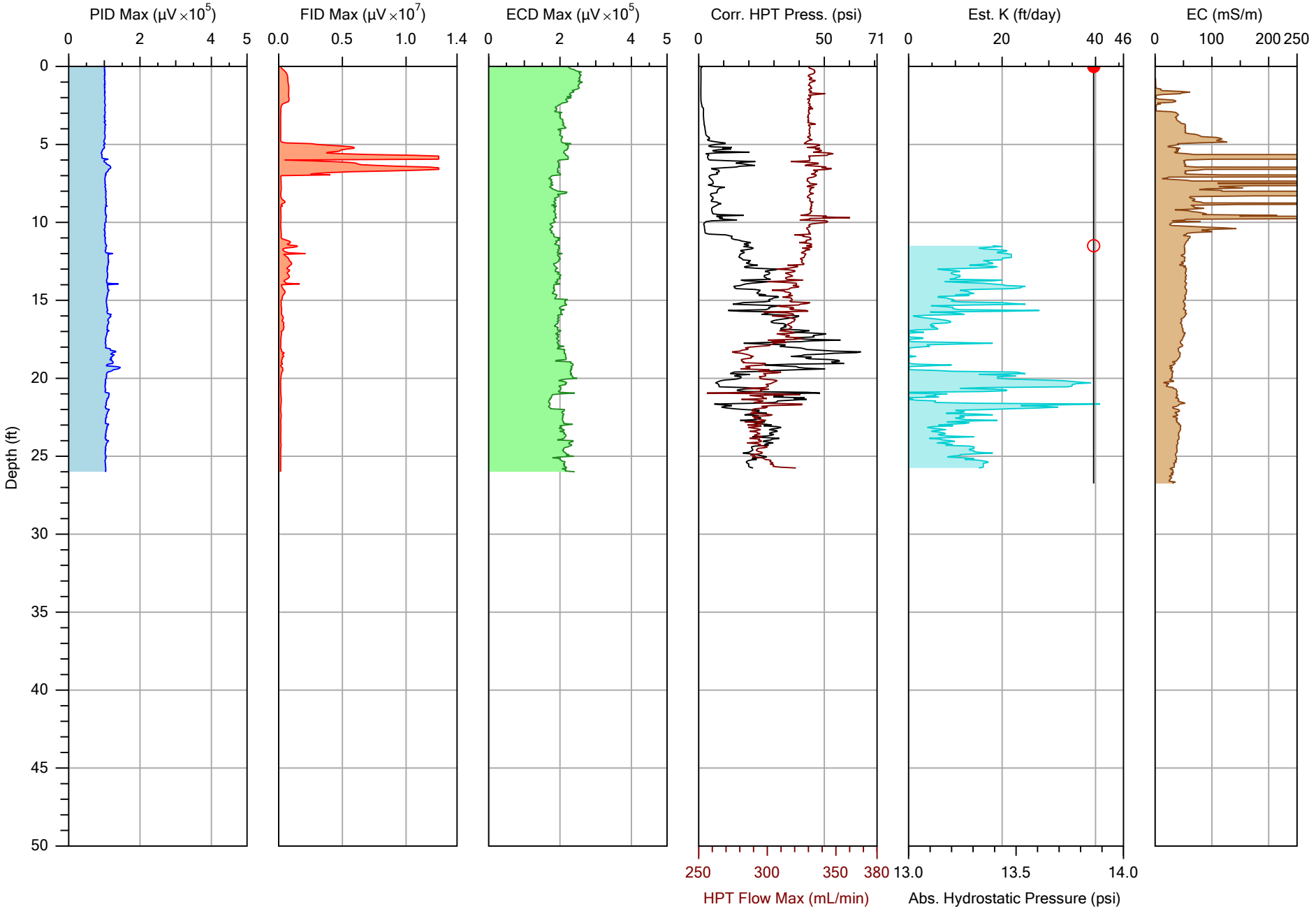
Company: Columbia Technologies	Operator: DJM	Date: 11/30/2012
Project ID: Belle, WV	Client: URS	Location:



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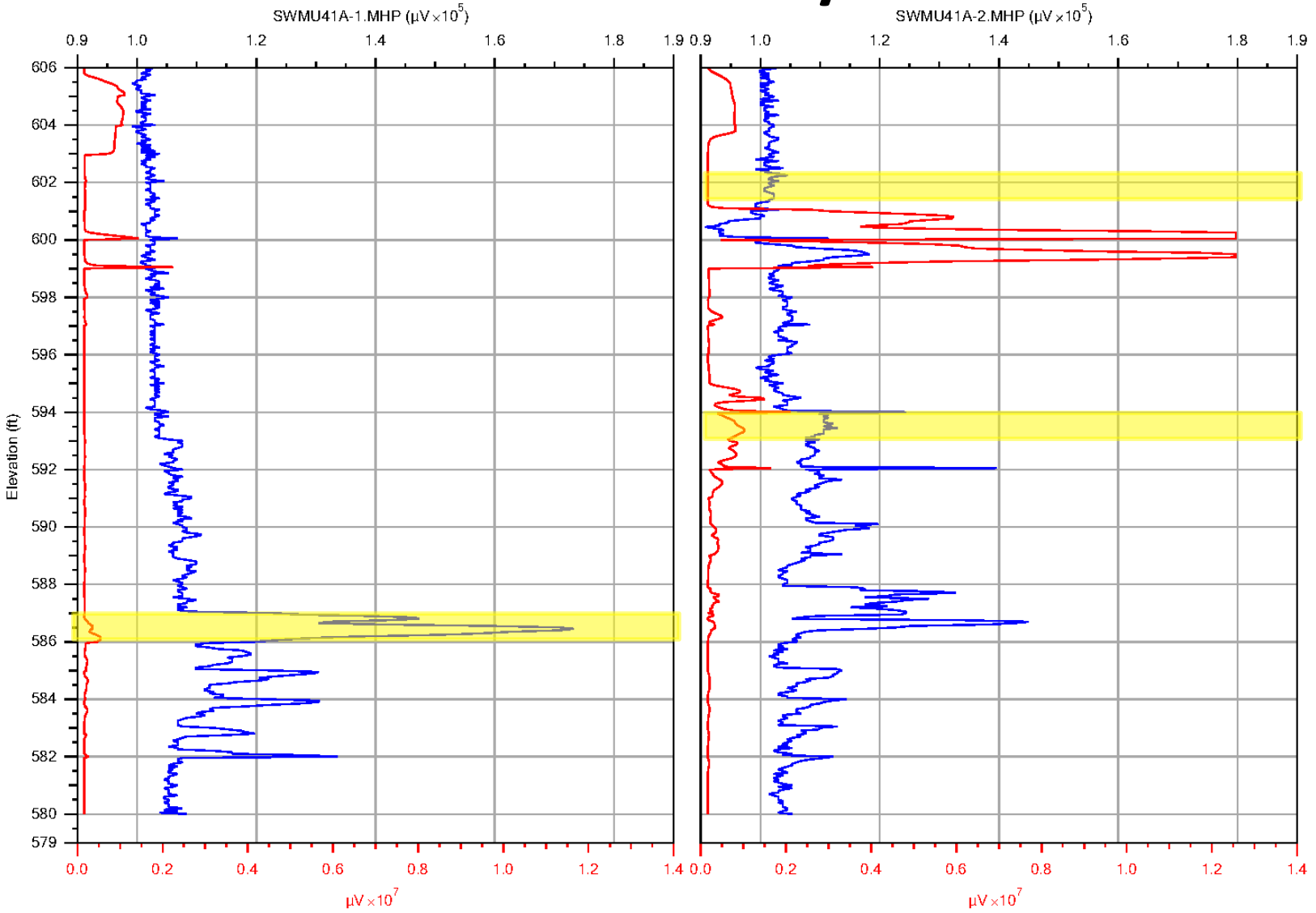
Company: Columbia Technologies	Operator: DJM	Date: 11/30/2012
Project ID: Belle, WV	Client: URS	Location:

SWMU41a PID/FID

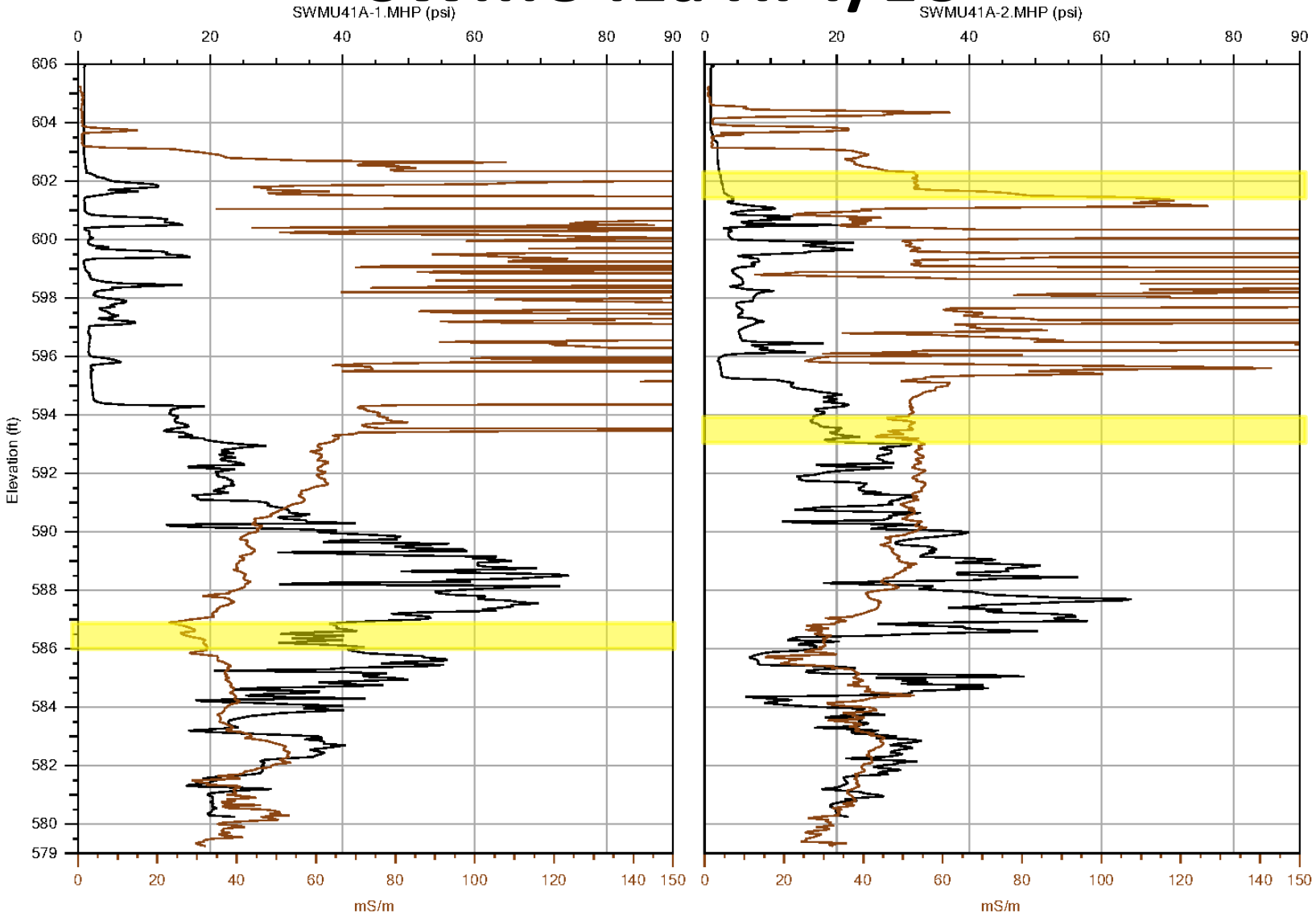


PID Max / FID Max

COLUMBIA TECHNOLOGIES

Company: Columbia Technologies	Operator: DJM	SWMU41A-1.MHP 11/30/2012
Project ID: Belle, WV	Client: URS	SWMU41A-2.MHP 11/30/2012

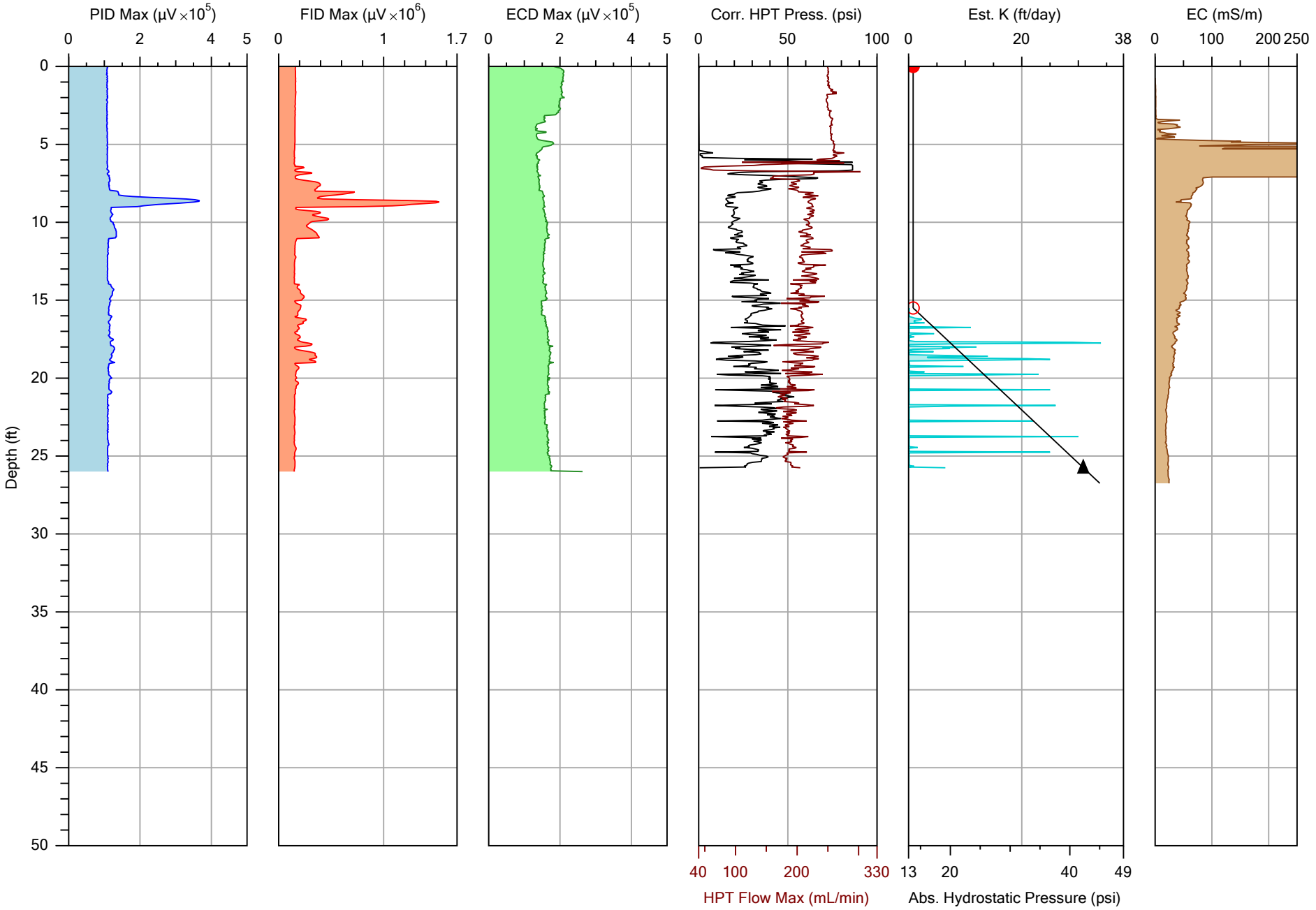
SWMU41a HPT/EC



COLUMBIA TECHNOLOGIES

Corr. HPT Press. / EC

Company: Columbia Technologies	Operator: DJM	SWMU41A-1.MHP 11/30/2012
Project ID: Belle, WV	Client: URS	SWMU41A-2.MHP 11/30/2012



COLUMBIA TECHNOLOGIES

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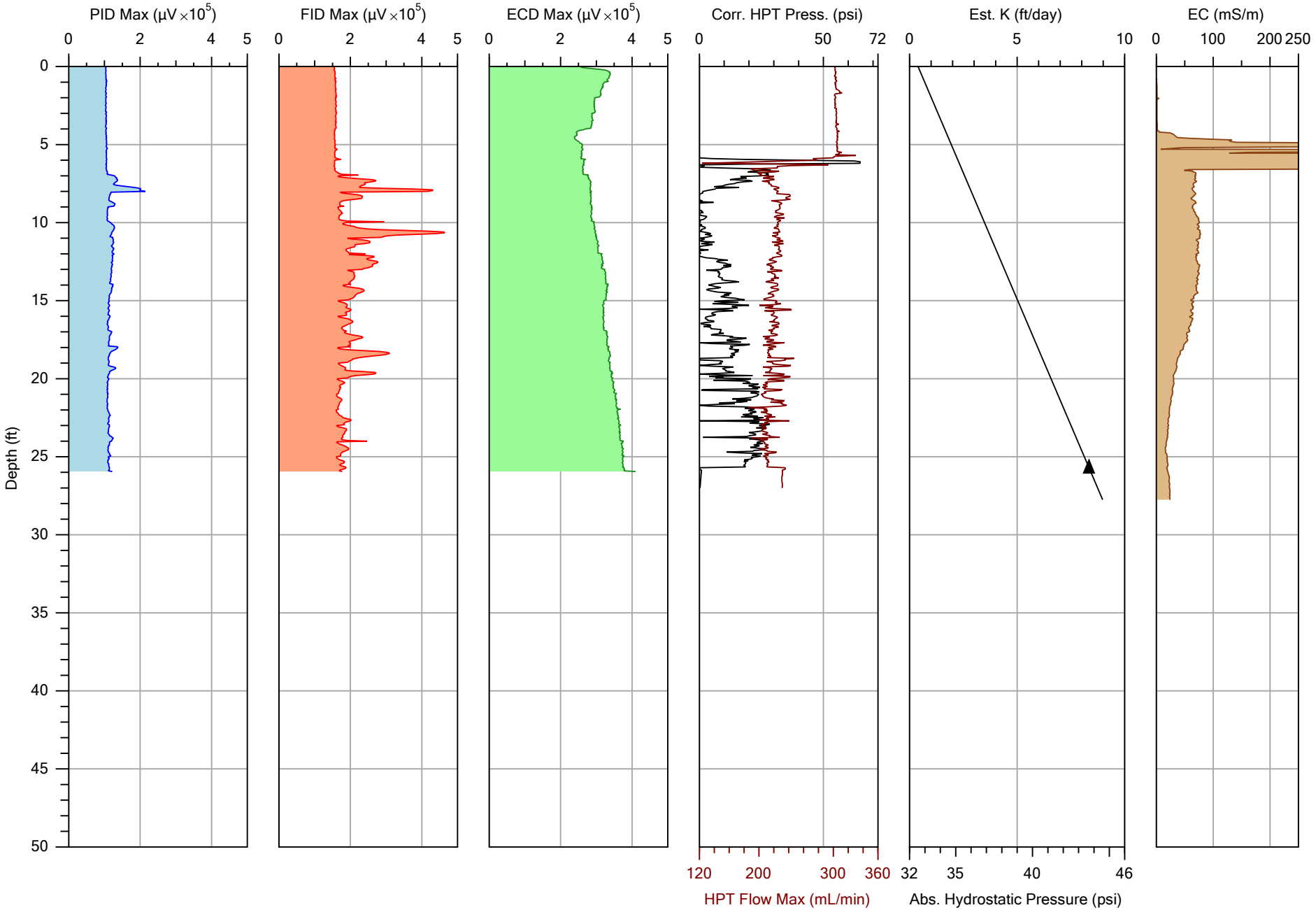
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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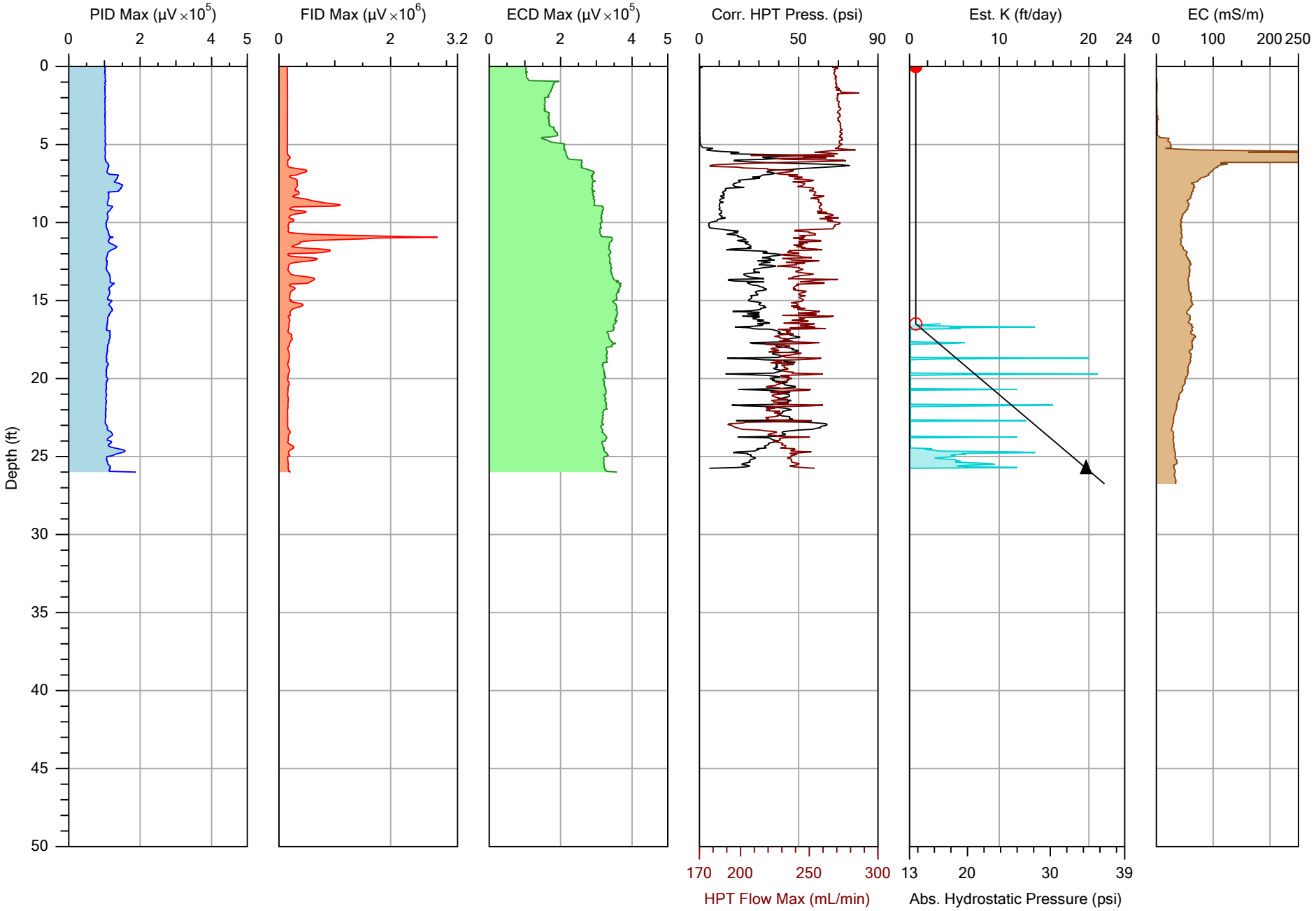
Project ID: Belle, WV	Client: URS	Location:



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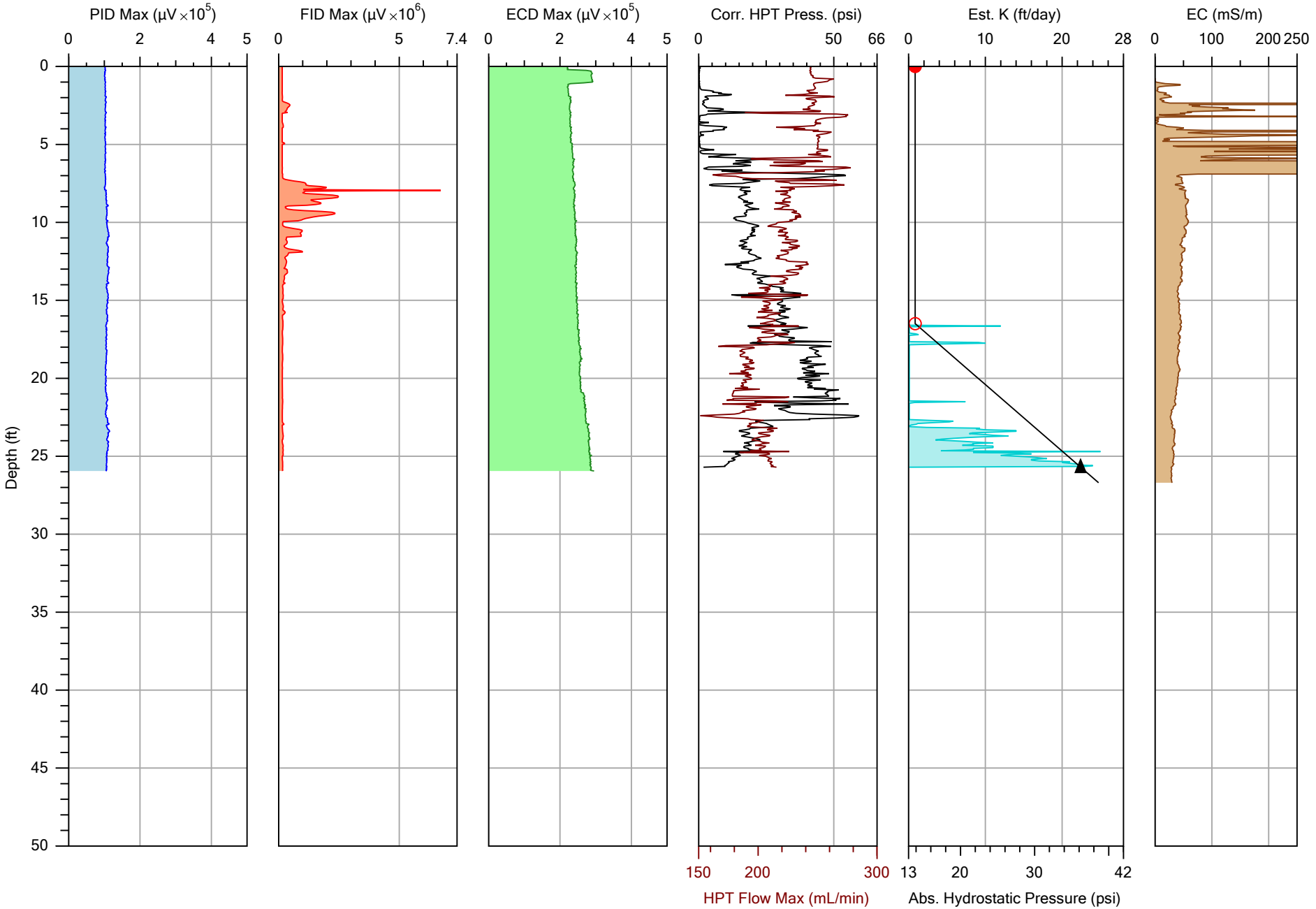
Company: Columbia Technologies	Operator: DJM	Date: 11/26/2012
Project ID: Belle, WV	Client: URS	Location:



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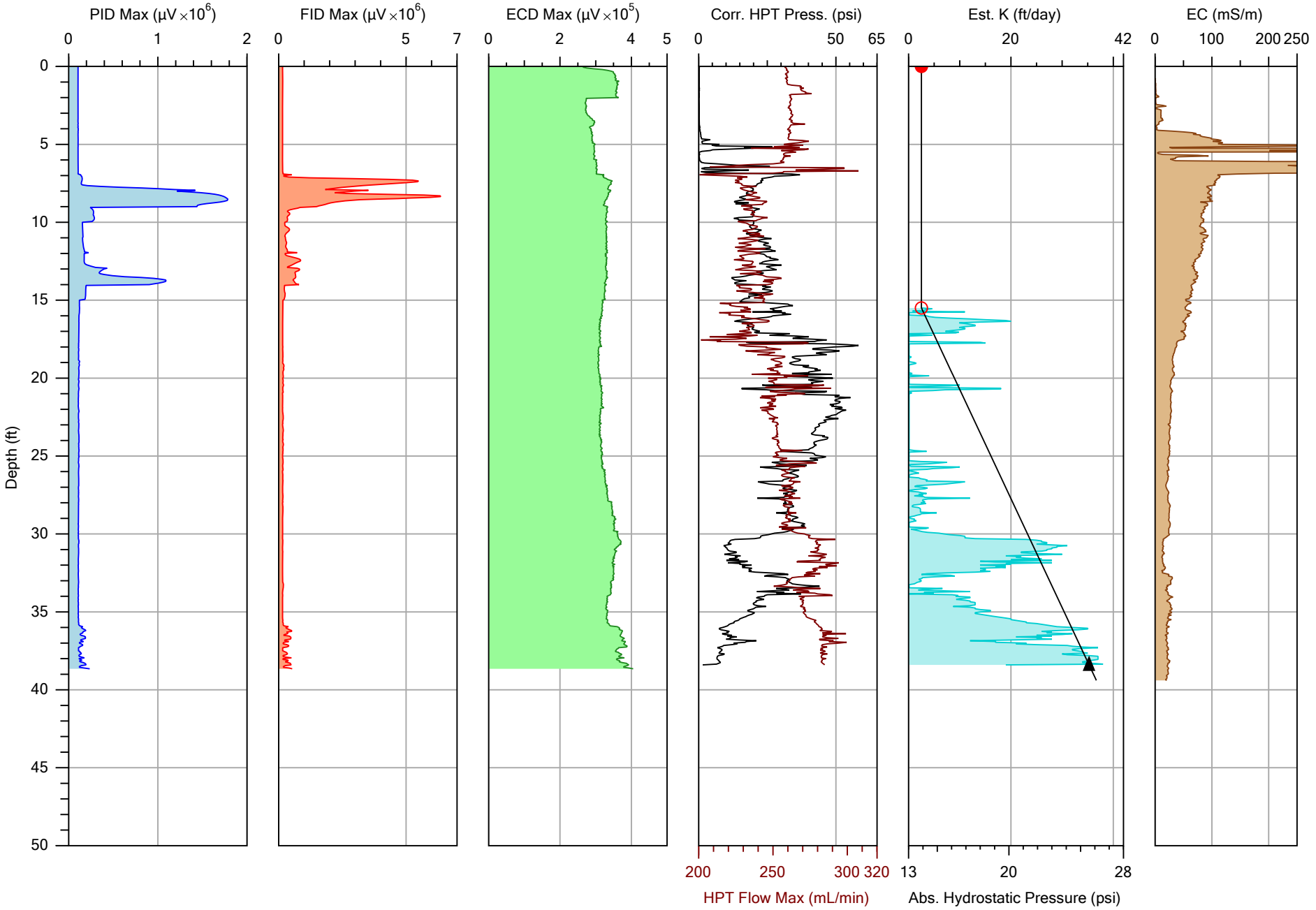
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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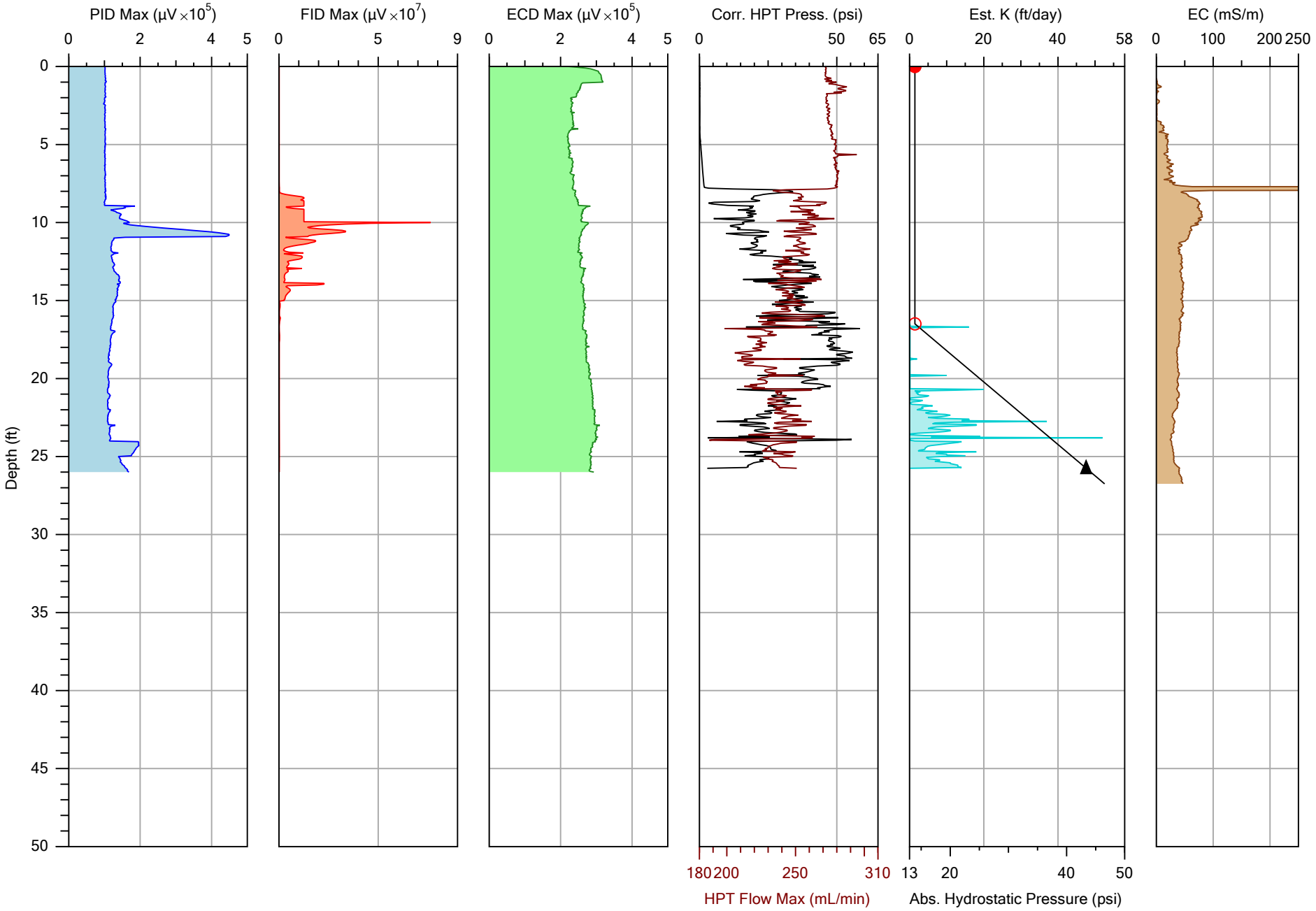
Company: Columbia Technologies	Operator: DJM	Date: 11/14/2012
Project ID: Belle, WV	Client: URS	Location:



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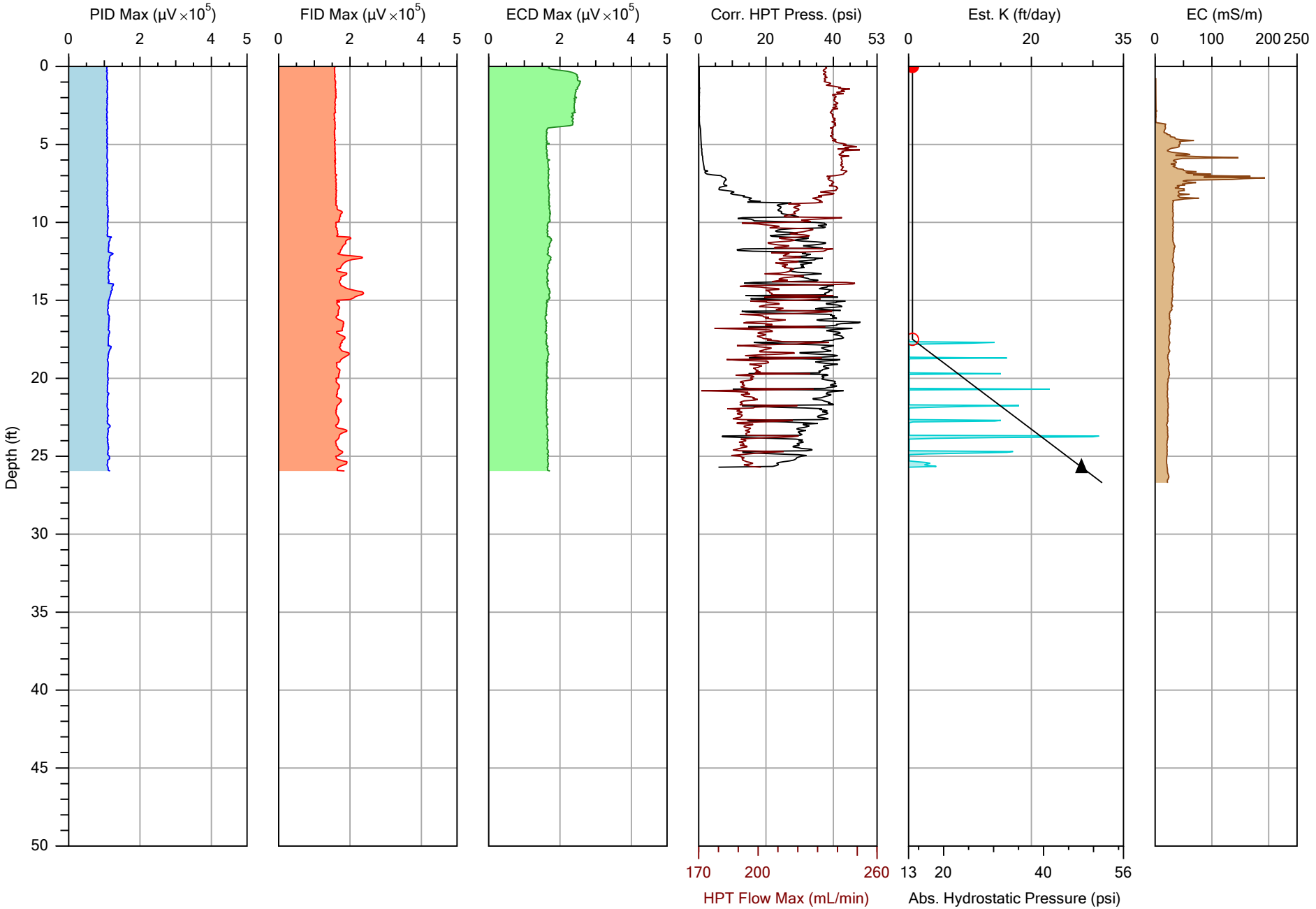
Company: Columbia Technologies	Operator: DJM	Date: 11/14/2012
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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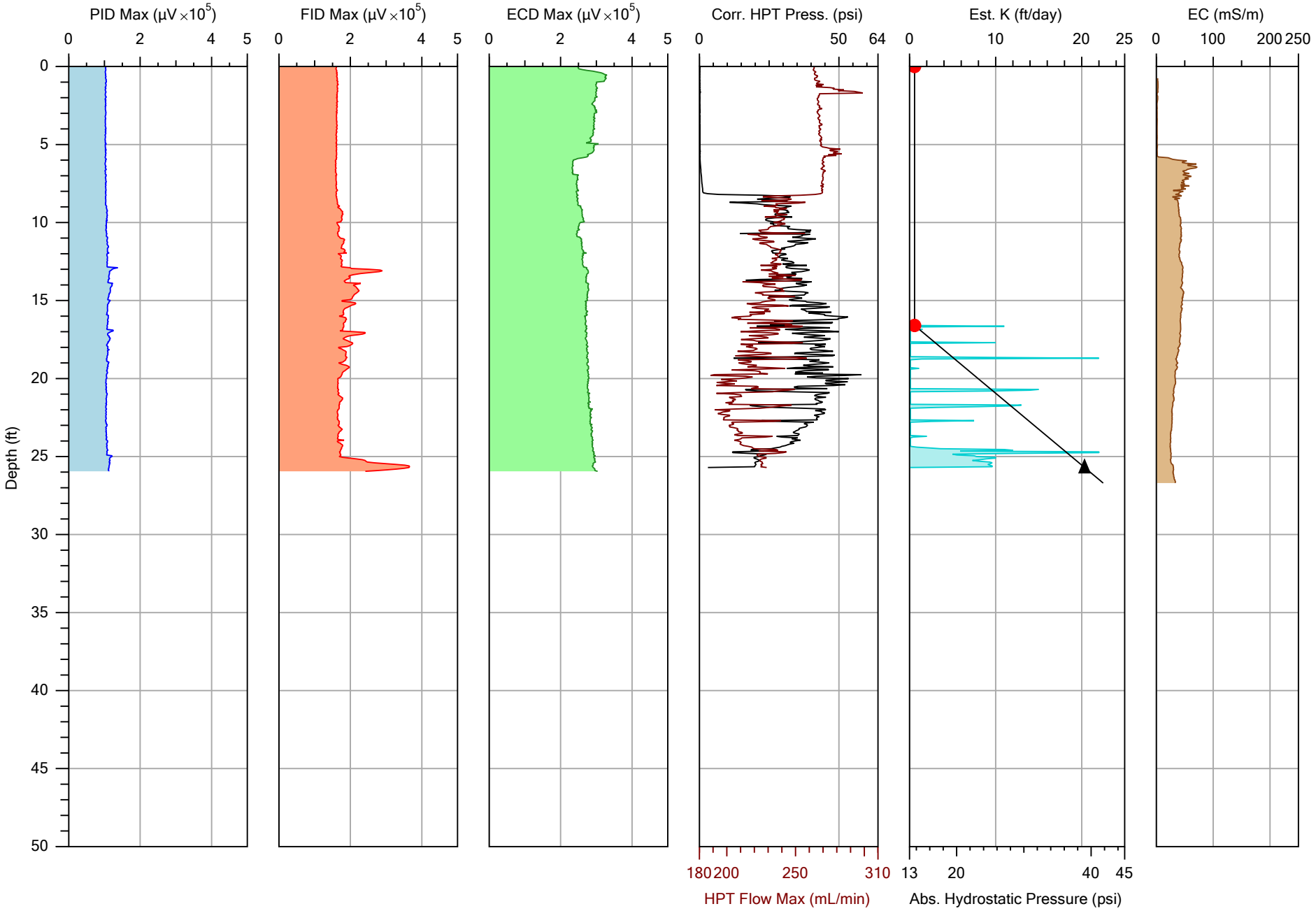
Company: Columbia Technologies	Operator: DJM	Date: 11/27/2012
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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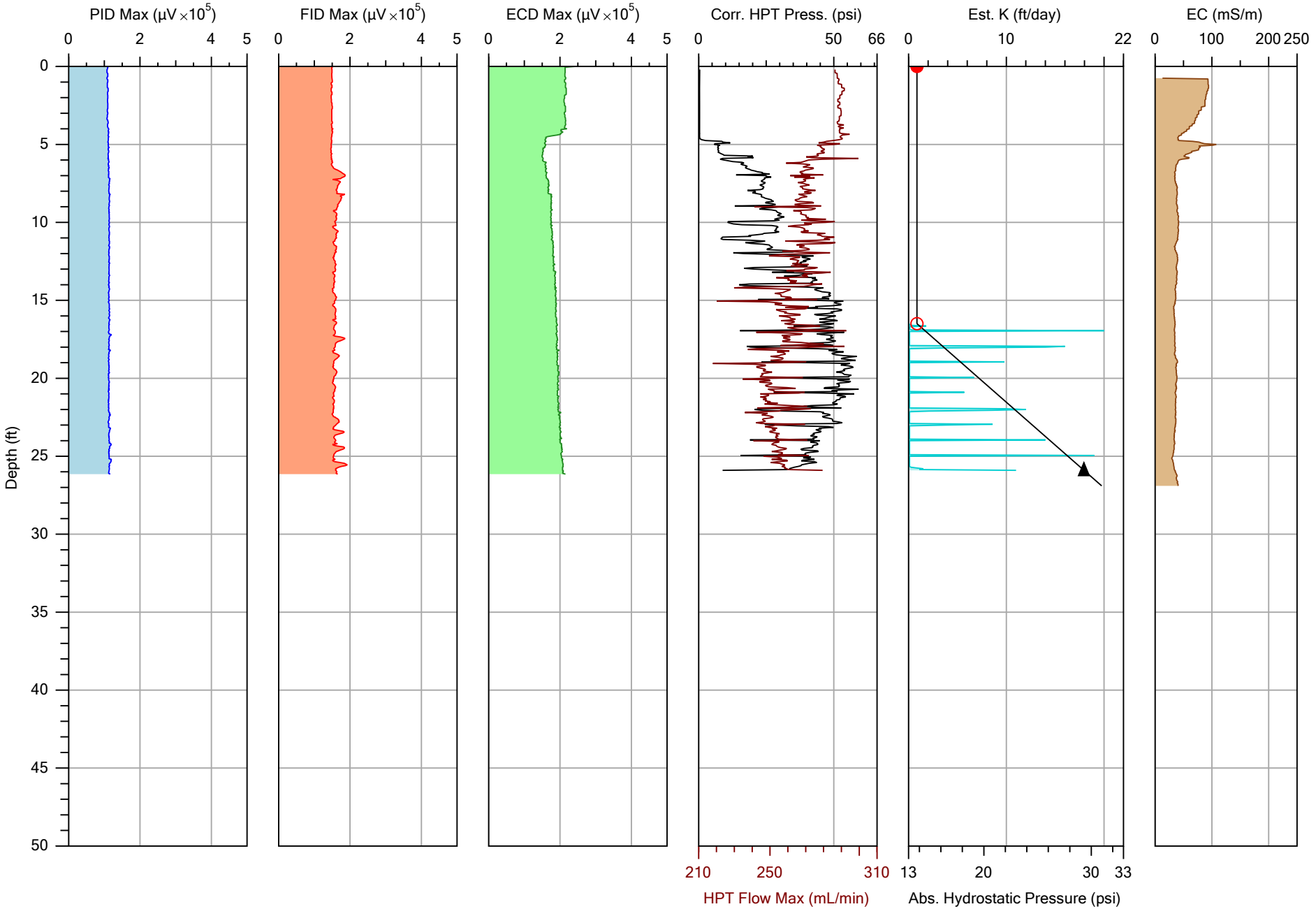
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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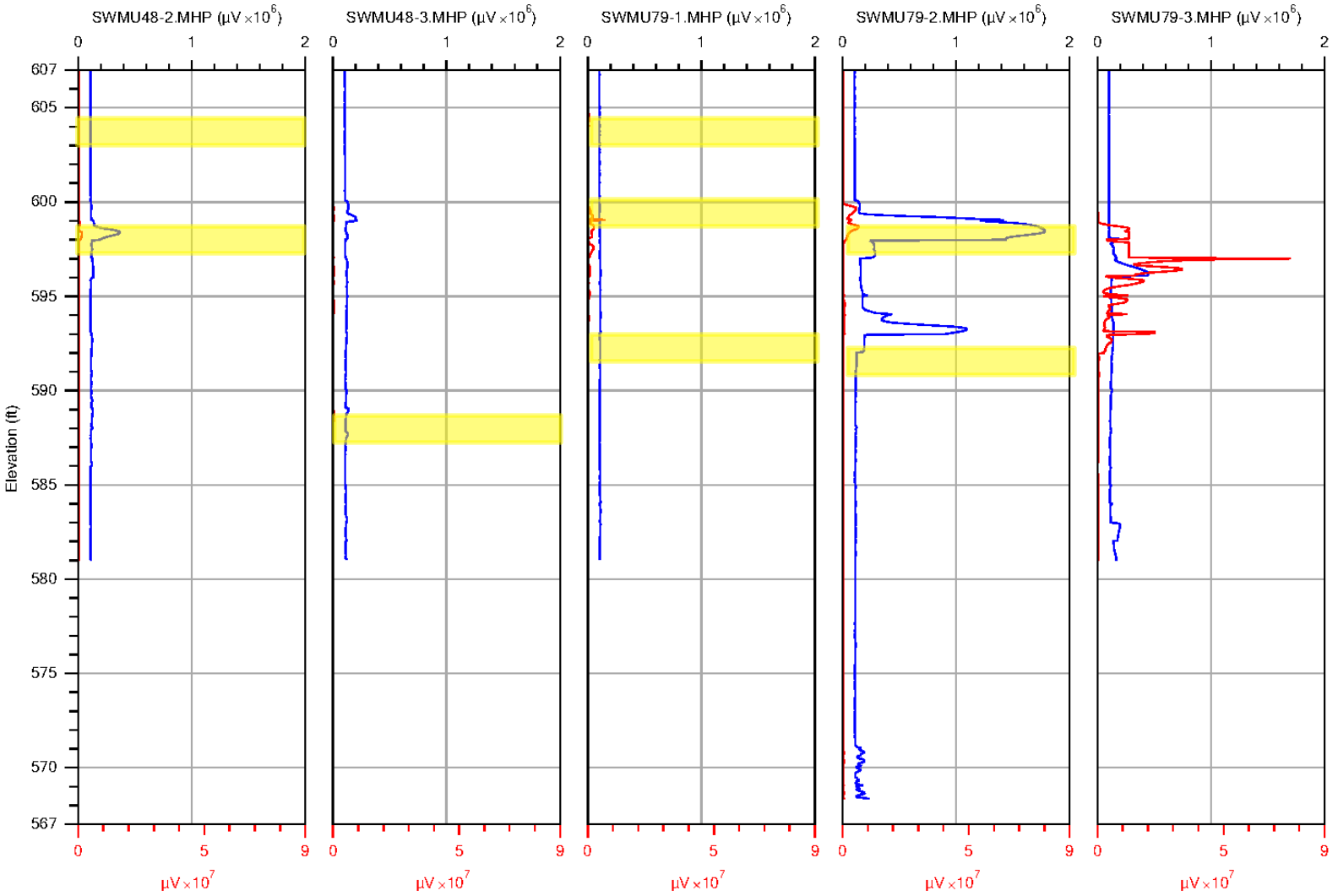
Company: Columbia Technologies	Operator: DJM	Date: 11/27/2012
Project ID: Belle, WV	Client: URS	Location:

SWMU48 & SWMU79 PID/FID



COLUMBIA TECHNOLOGIES

PID Max / FID Max

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU48-2.MHP	11/26/2012
SWMU48-3.MHP	11/26/2012
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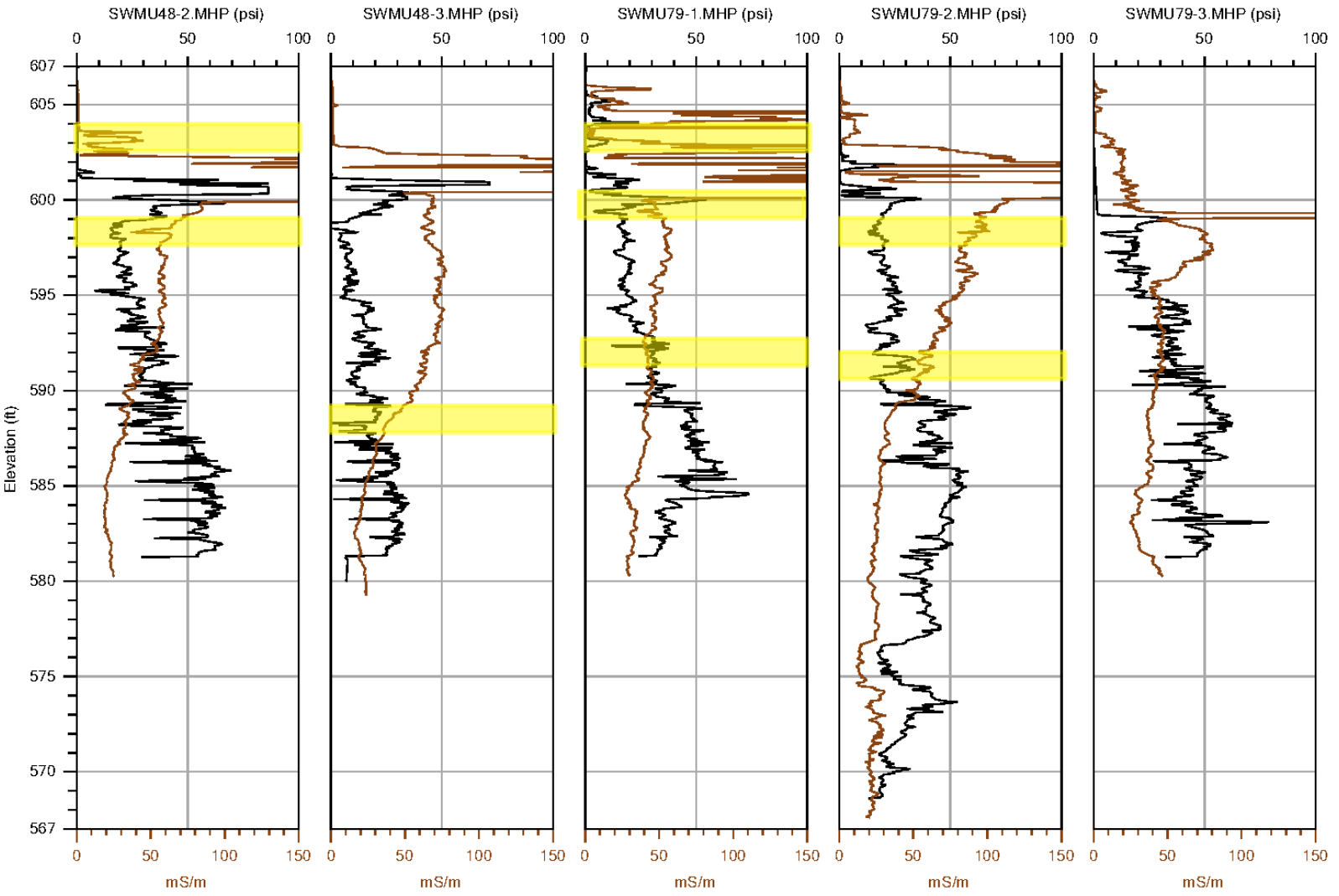
SWMU79-2.MHP	11/14/2012
SWMU79-3.MHP	11/14/2012

SWMU48 & SWMU79 HPT/EC



COLUMBIA TECHNOLOGIES

Corr. HPT Press. / EC

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU48-2.MHP	11/26/2012
SWMU48-3.MHP	11/26/2012
SWMU79-1.MHP	11/14/2012
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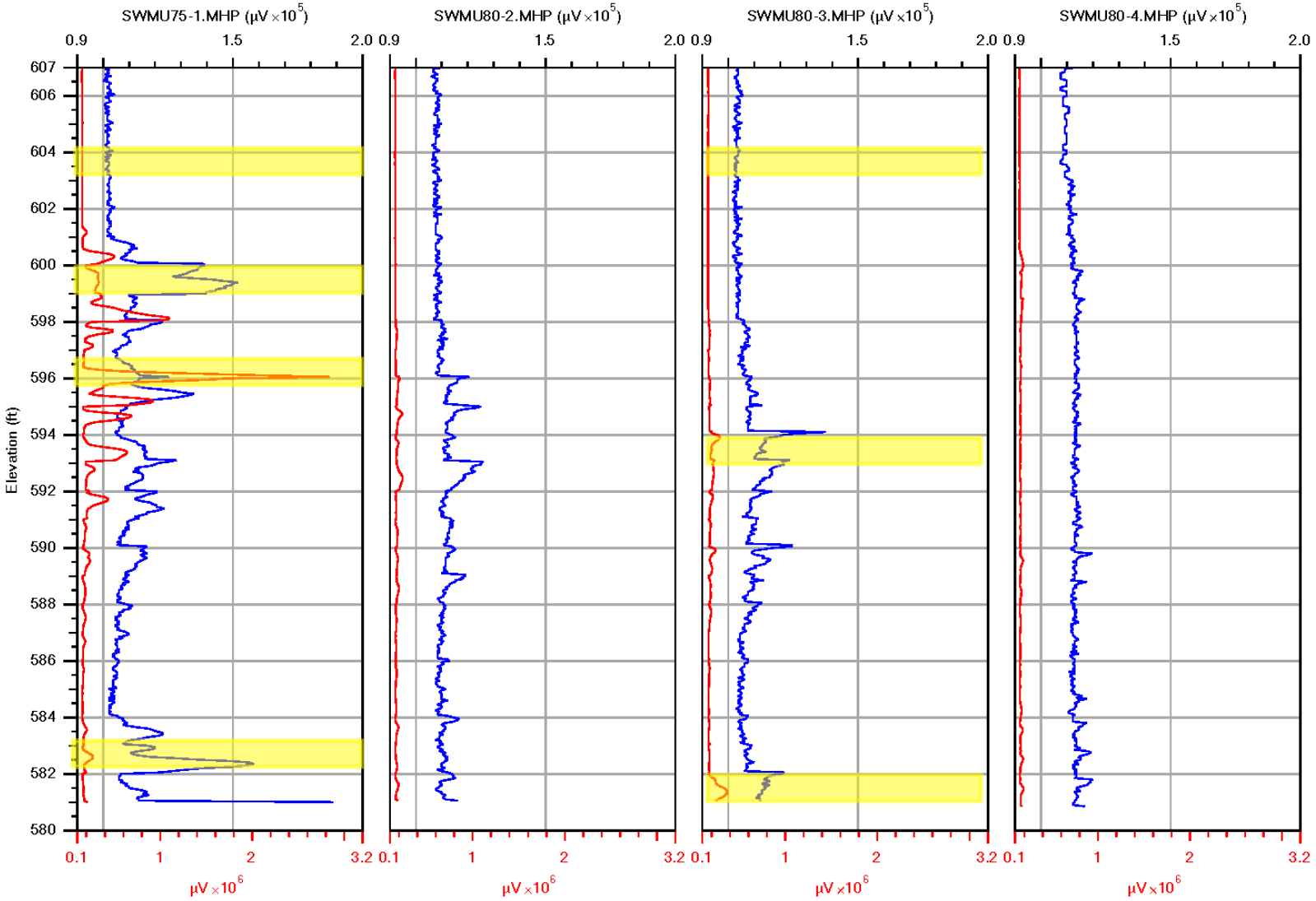
SWMU79-3.MHP	11/14/2012

SWMU75 & SWMU80 PID/FID



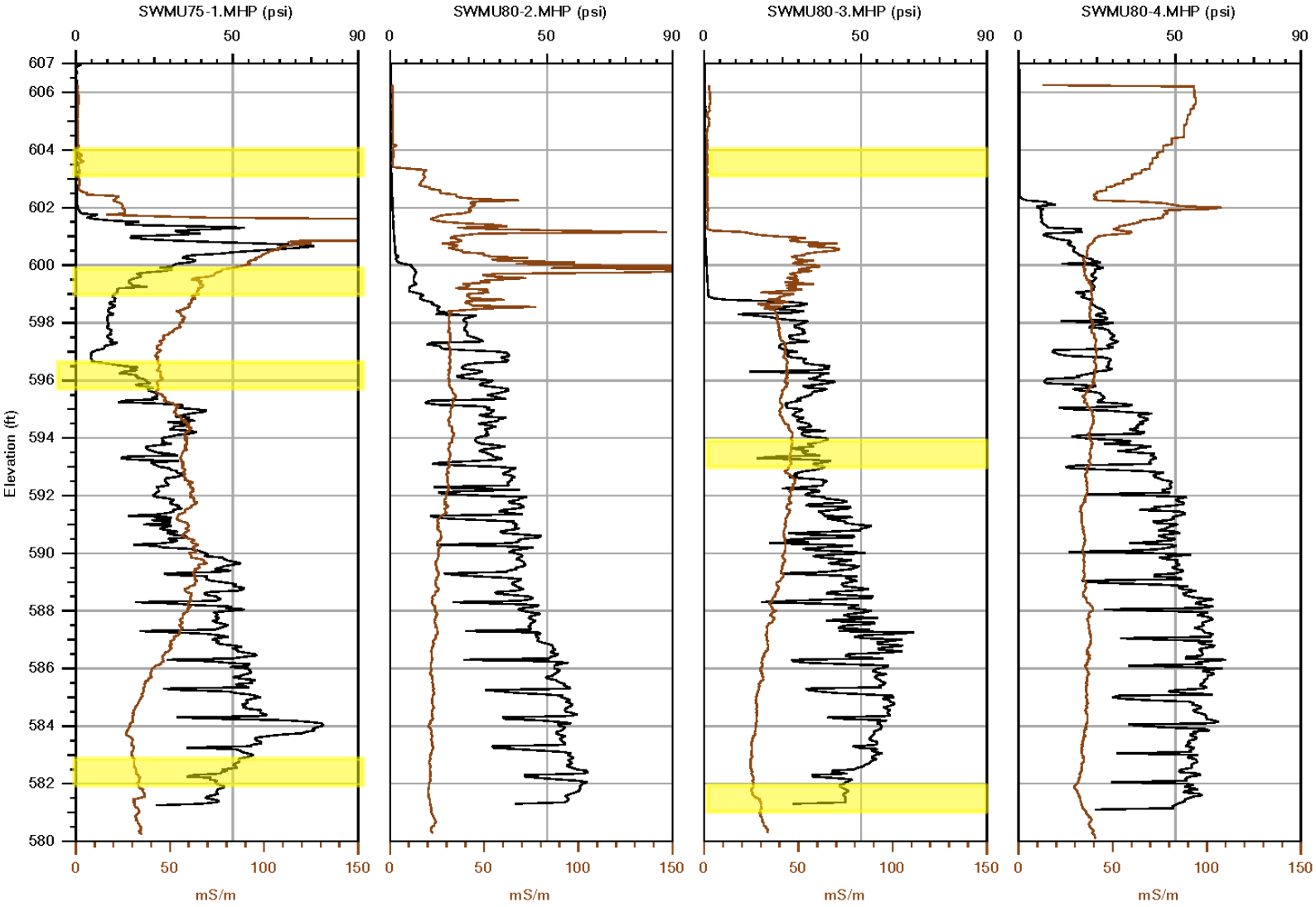
COLUMBIA TECHNOLOGIES

PID Max / FID Max

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU75-1.MHP	11/26/2012
SWMU80-2.MHP	11/27/2012
SWMU80-3.MHP	11/26/2012
SWMU80-4.MHP	11/27/2012

SWMU75 & SWMU80 HPT/EC



COLUMBIA TECHNOLOGIES

Corr. HPT Press. / EC

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU75-1.MHP	11/26/2012
SWMU80-2.MHP	11/27/2012
SWMU80-3.MHP	11/26/2012
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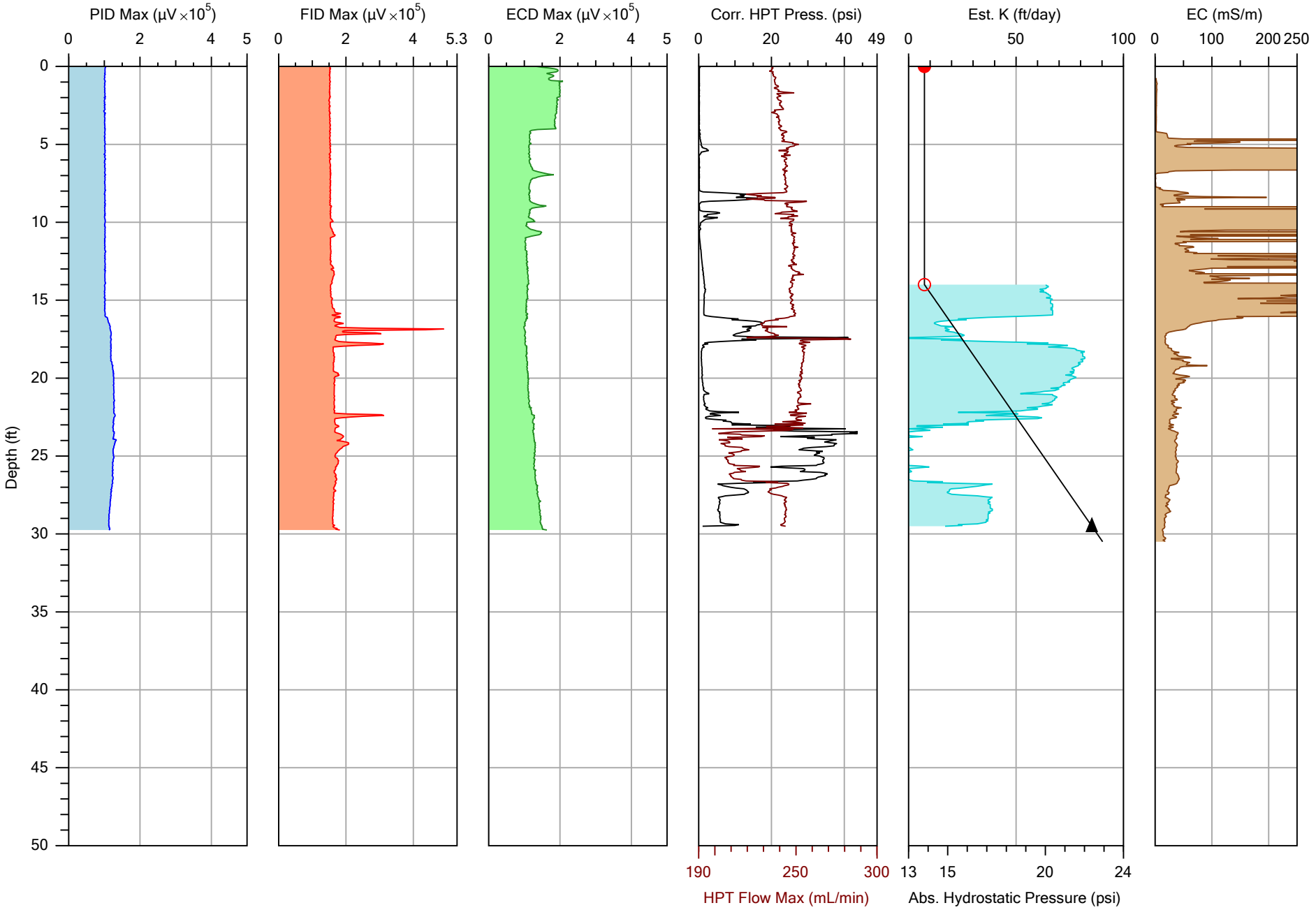

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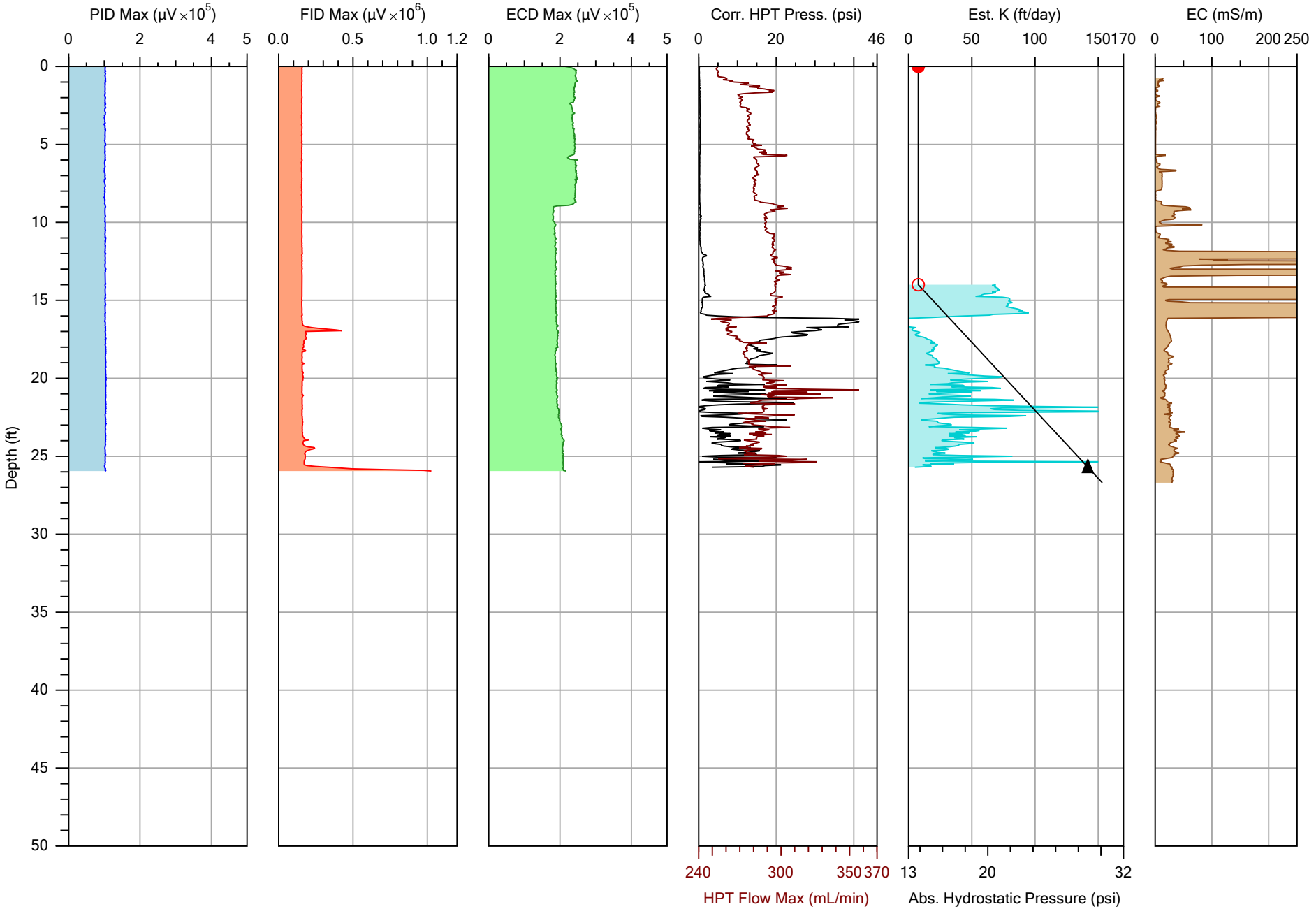
Company: Columbia Technologies	Operator: DJM	Date: 11/27/2012
Project ID: Belle, WV	Client: URS	Location:



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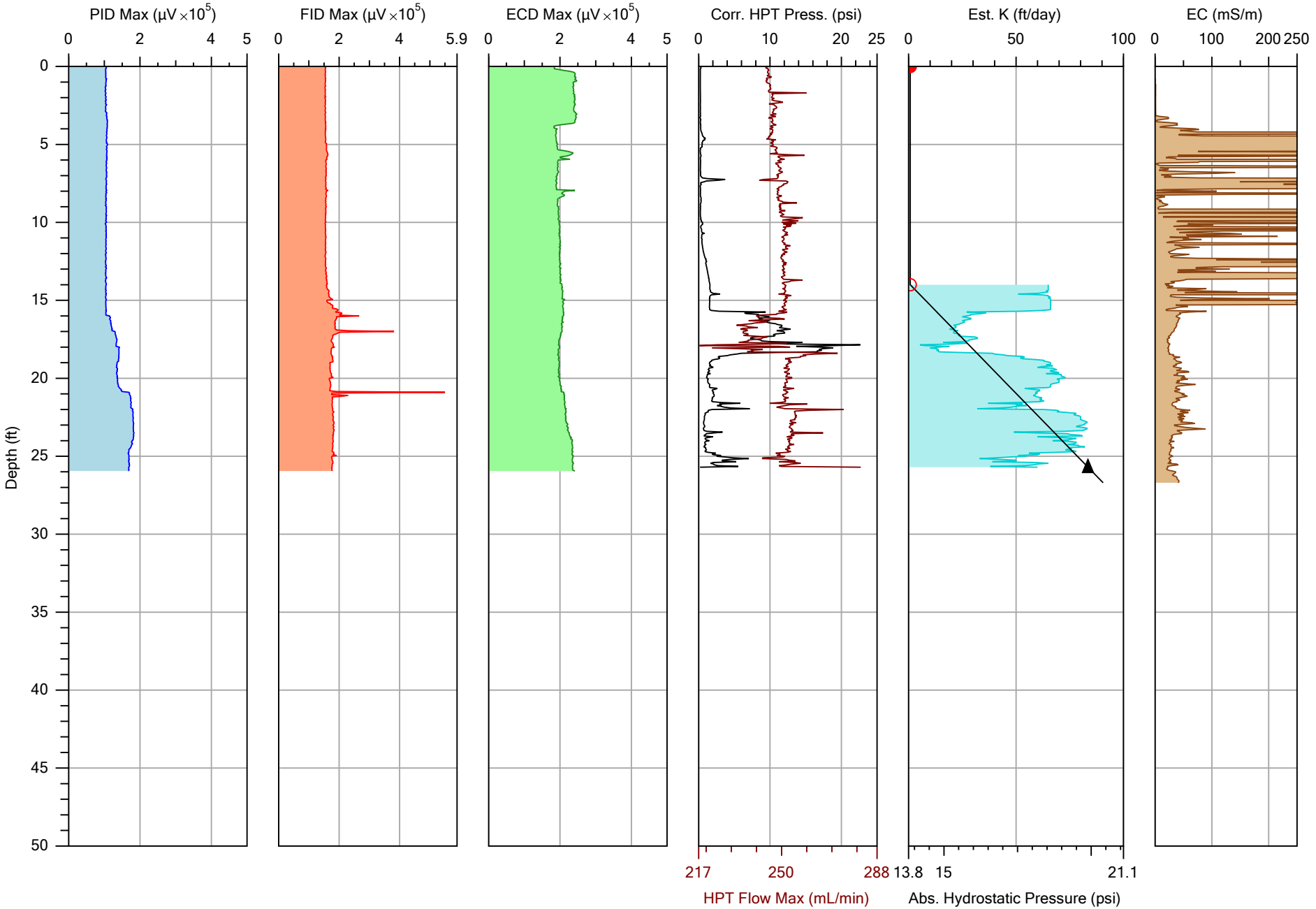

COLUMBIA TECHNOLOGIES

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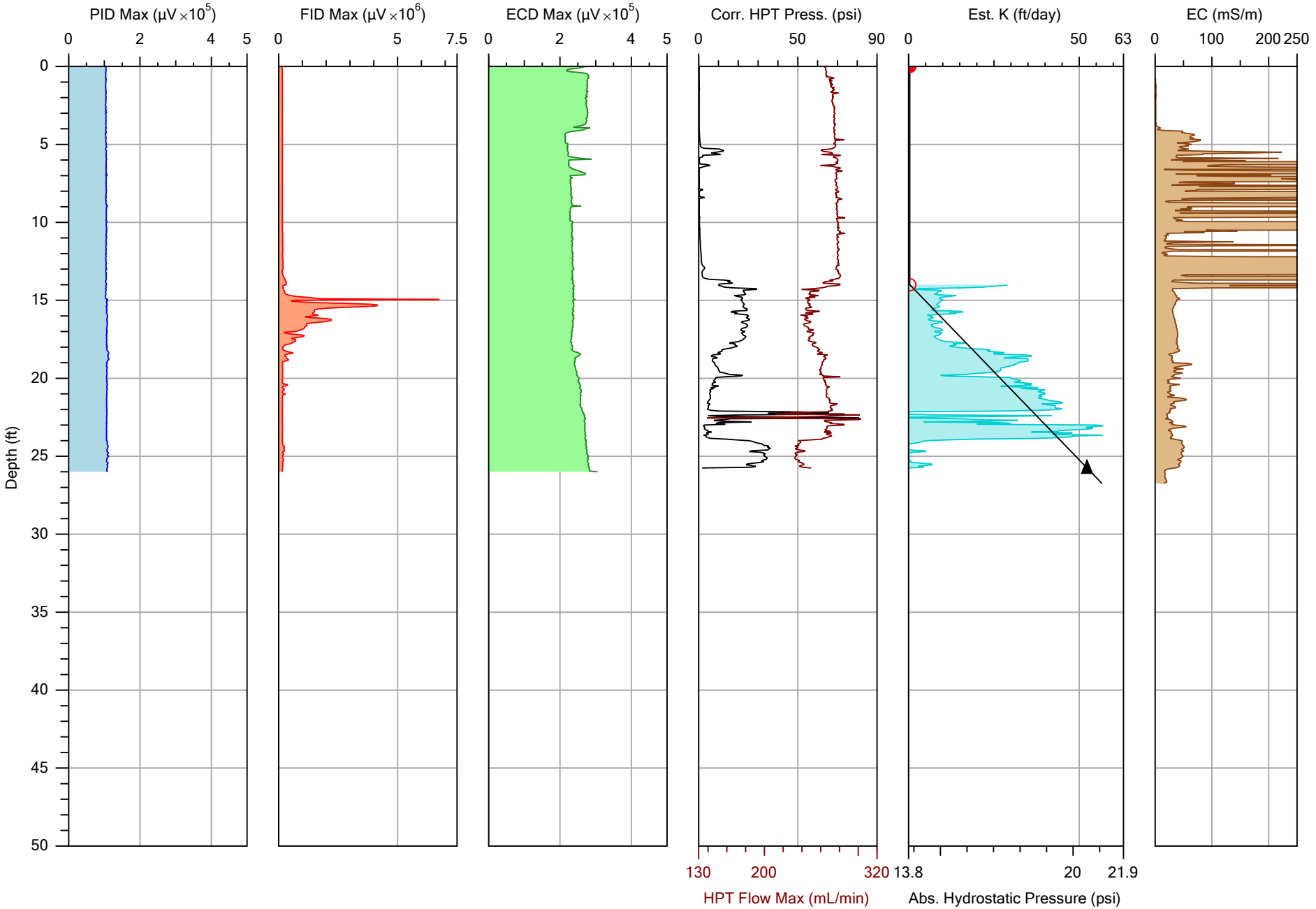
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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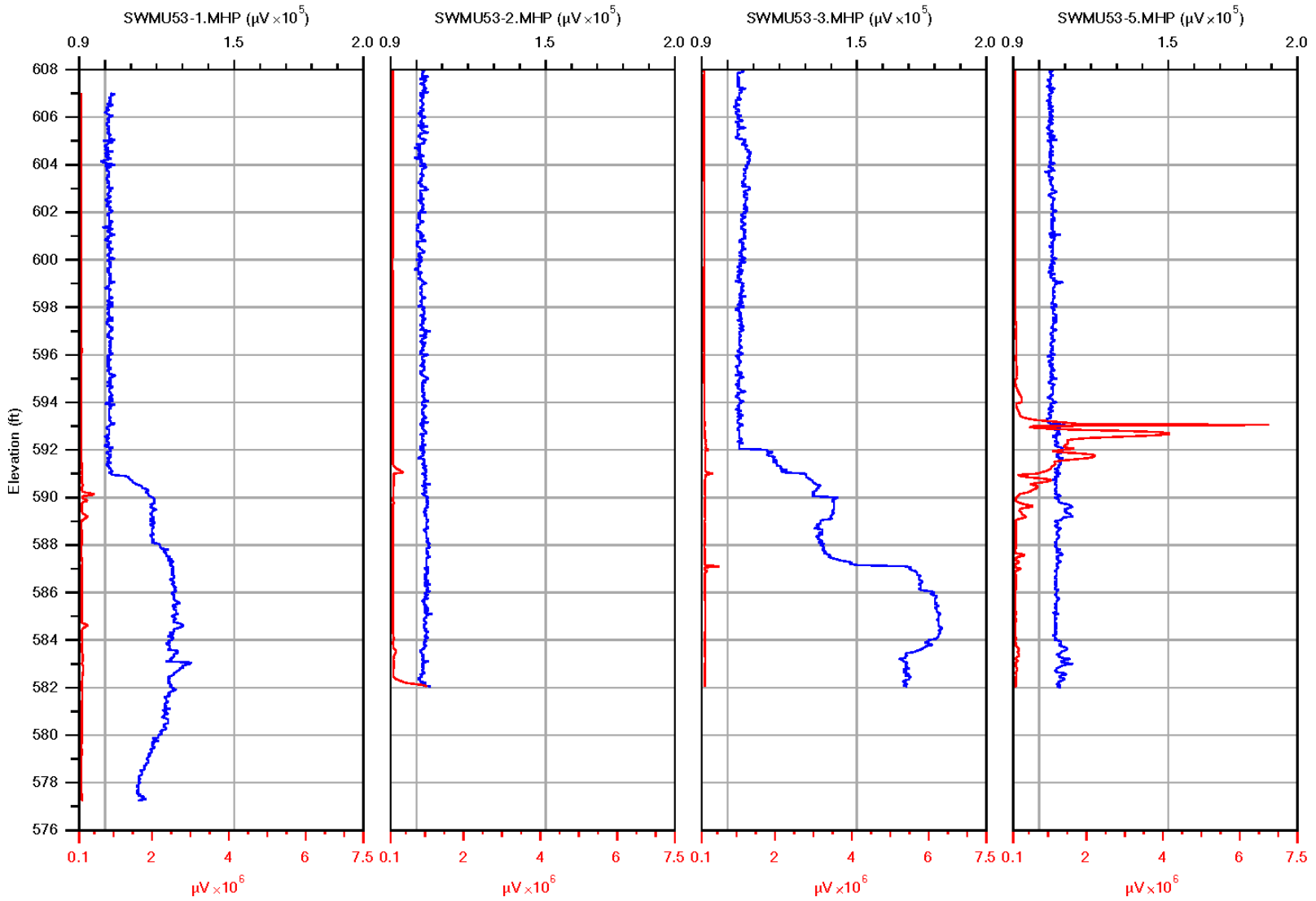
Company: Columbia Technologies	Operator: DJM	Date: 11/28/2012
Project ID: Belle, WV	Client: URS	Location:

SWMU53 PID/FID



COLUMBIA TECHNOLOGIES

PID Max / FID Max

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

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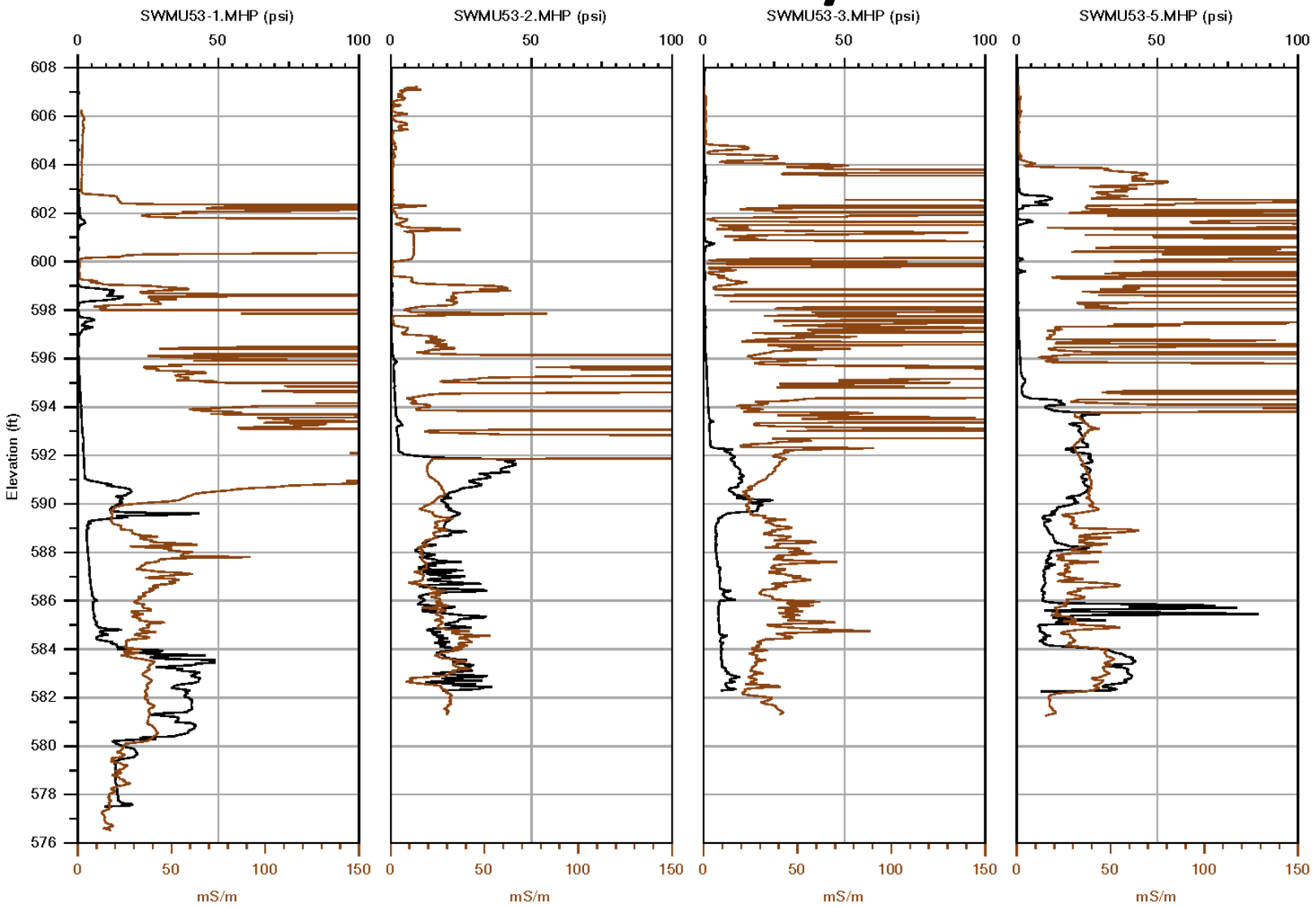
SWMU53-2.MHP	11/27/2012
SWMU53-3.MHP	11/28/2012
SWMU53-5.MHP	11/28/2012

SWMU53 HPT/EC

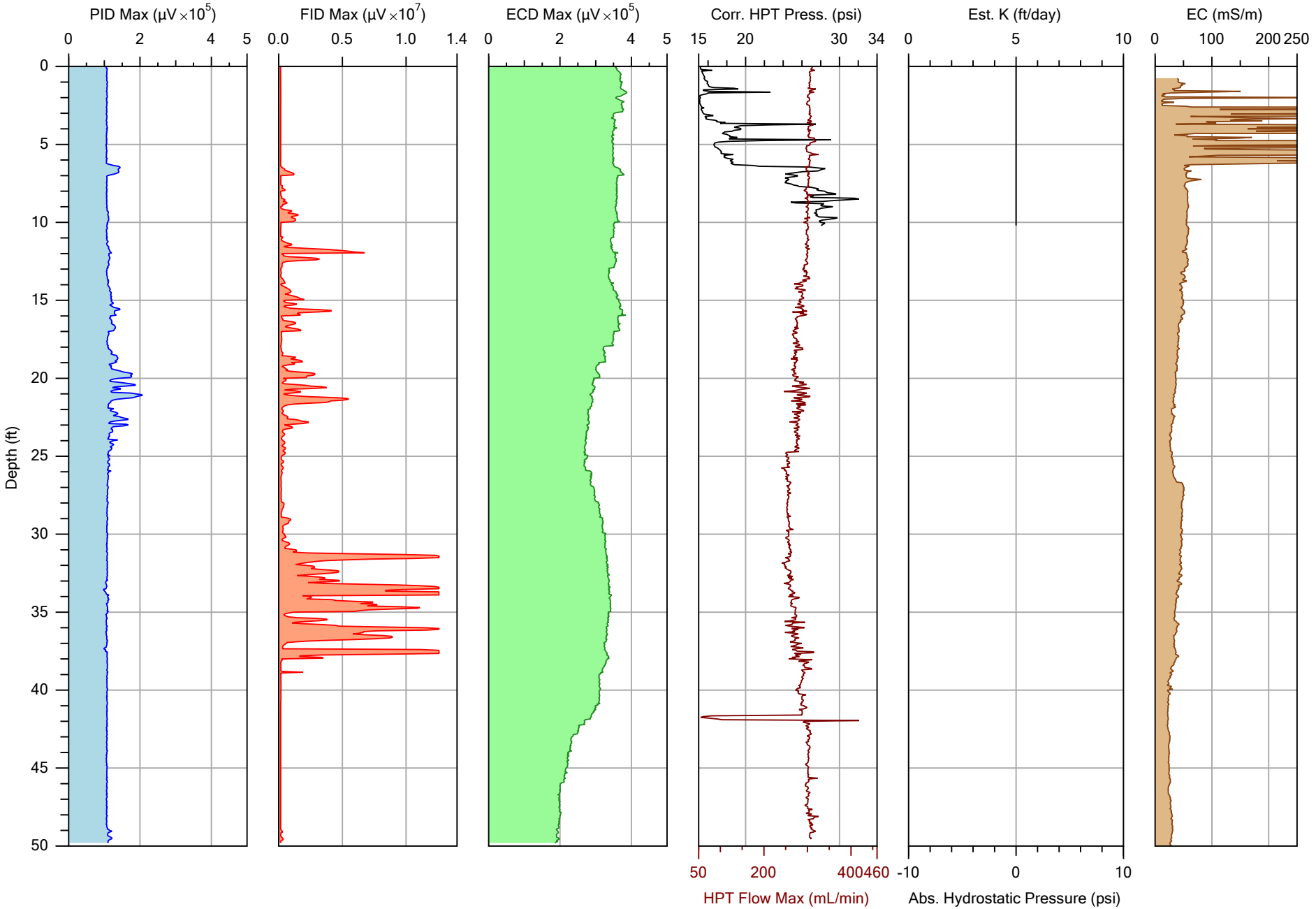


COLUMBIA TECHNOLOGIES

Corr. HPT Press. / EC

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU53-1.MHP	11/27/2012
SWMU53-2.MHP	11/27/2012
SWMU53-3.MHP	11/28/2012
SWMU53-5.MHP	11/28/2012



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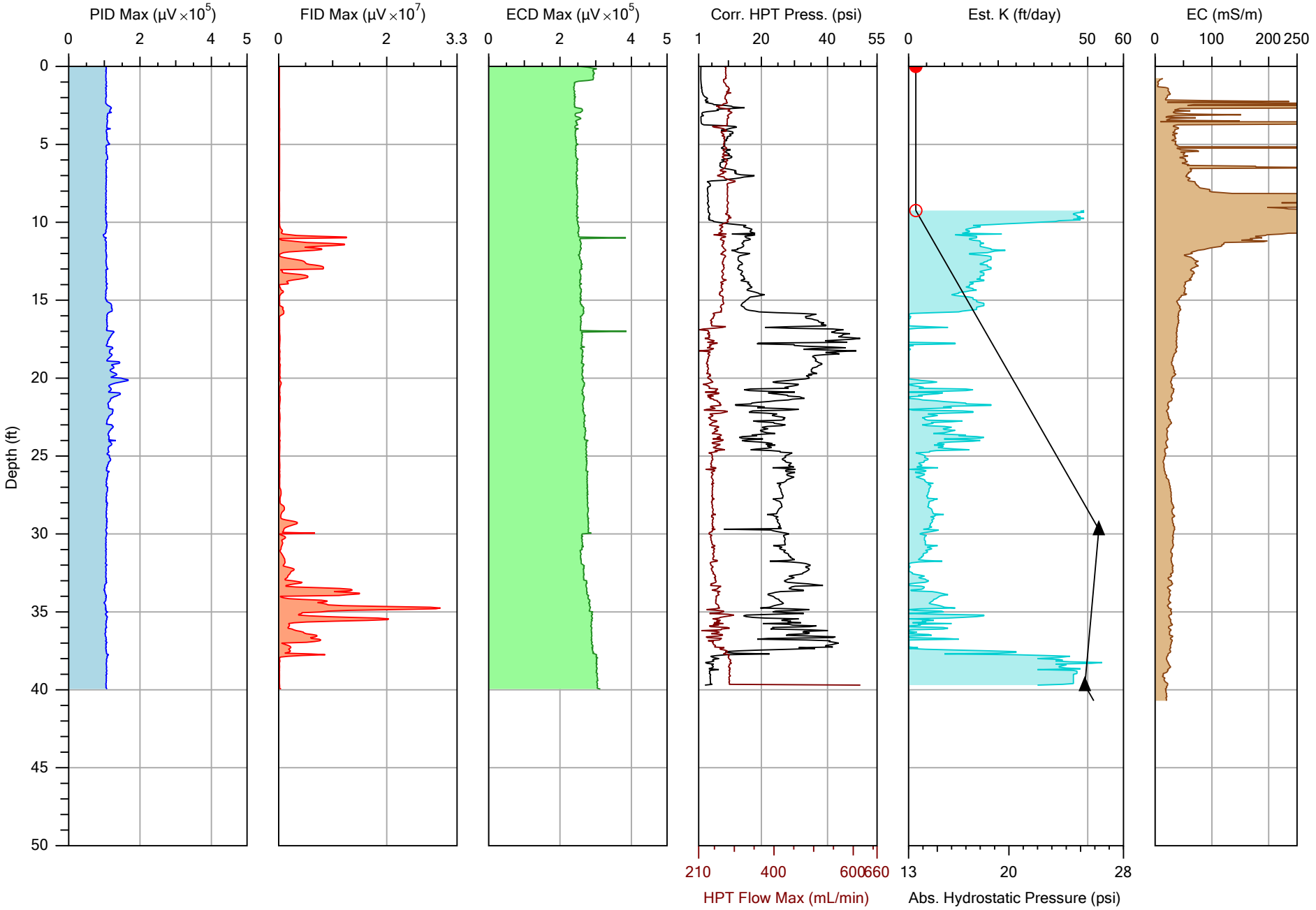

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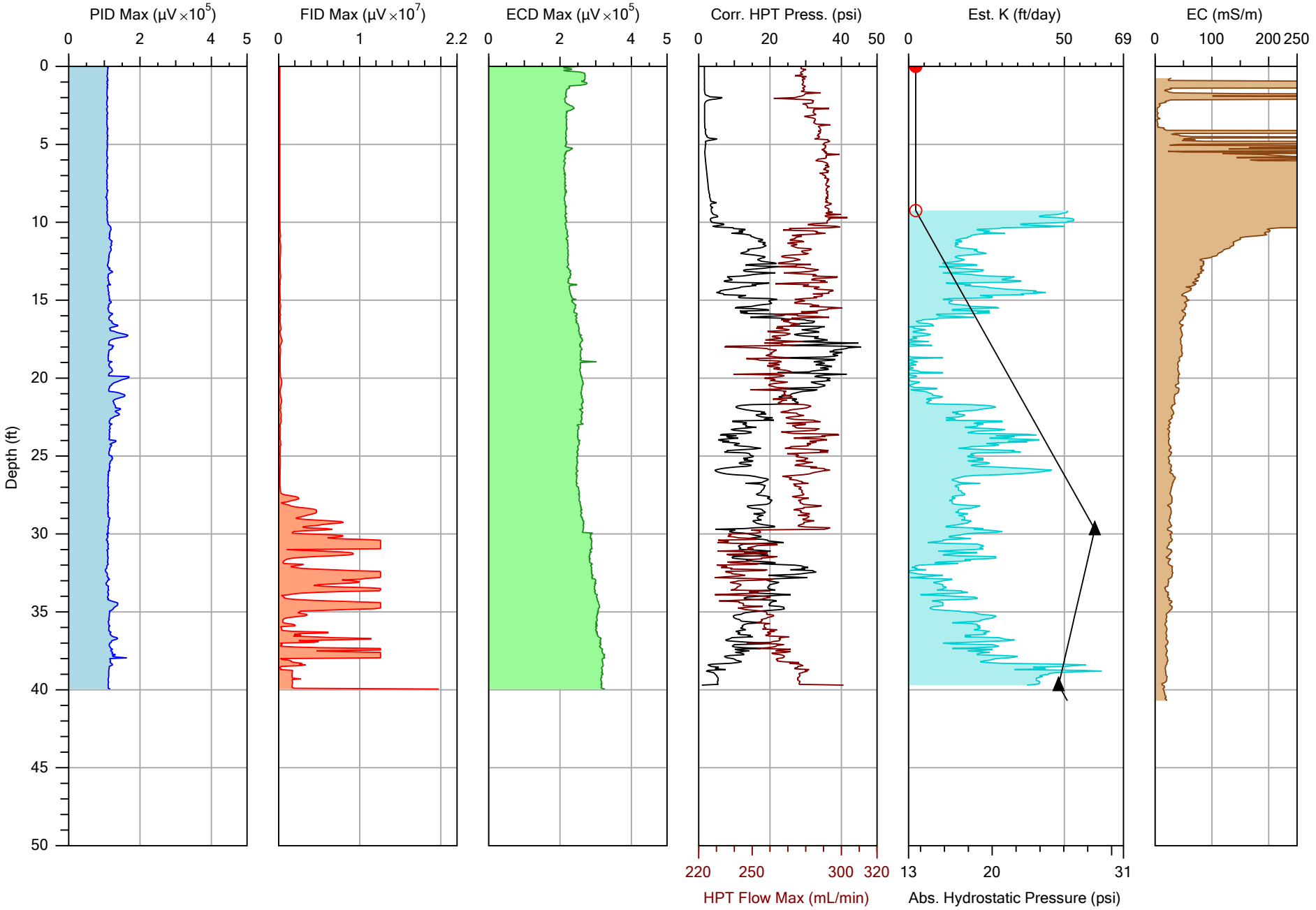

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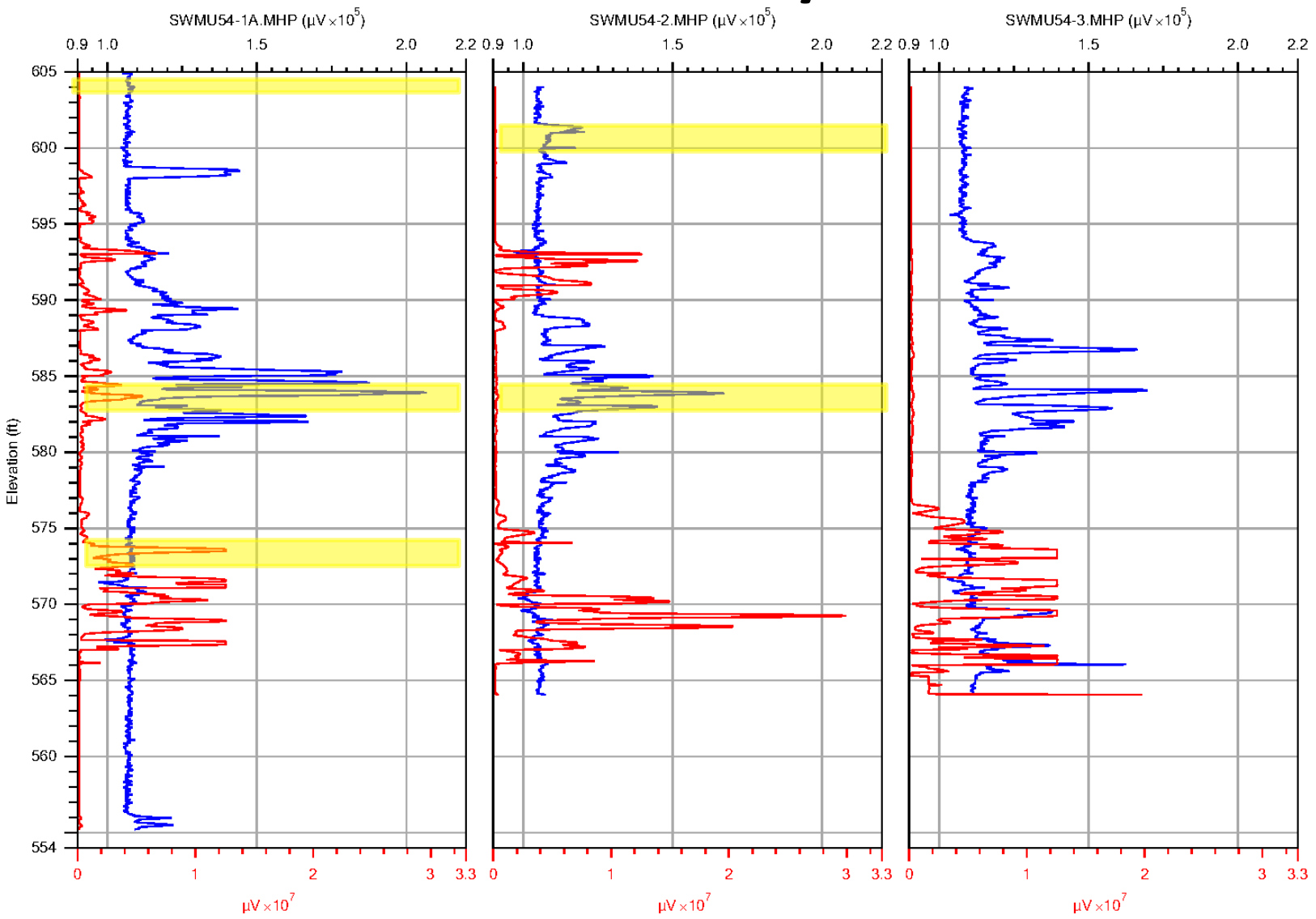
SWMU54 PID/FID



COLUMBIA TECHNOLOGIES

PID Max / FID Max

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

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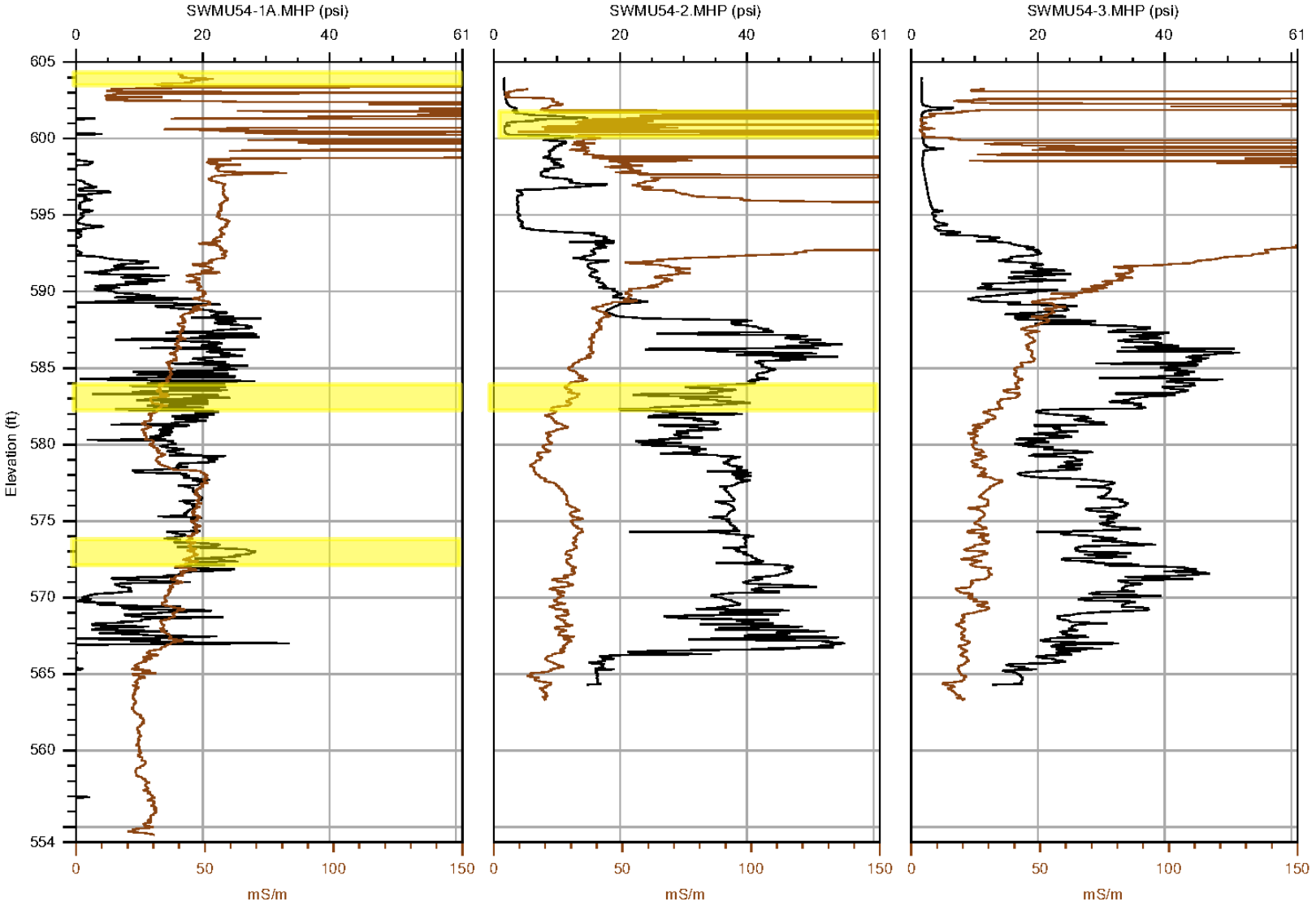
SWMU54-2.MHP	11/7/2012
SWMU54-3.MHP	11/7/2012

SWMU54 HPT/EC



COLUMBIA TECHNOLOGIES

Corr. HPT Press. / EC

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

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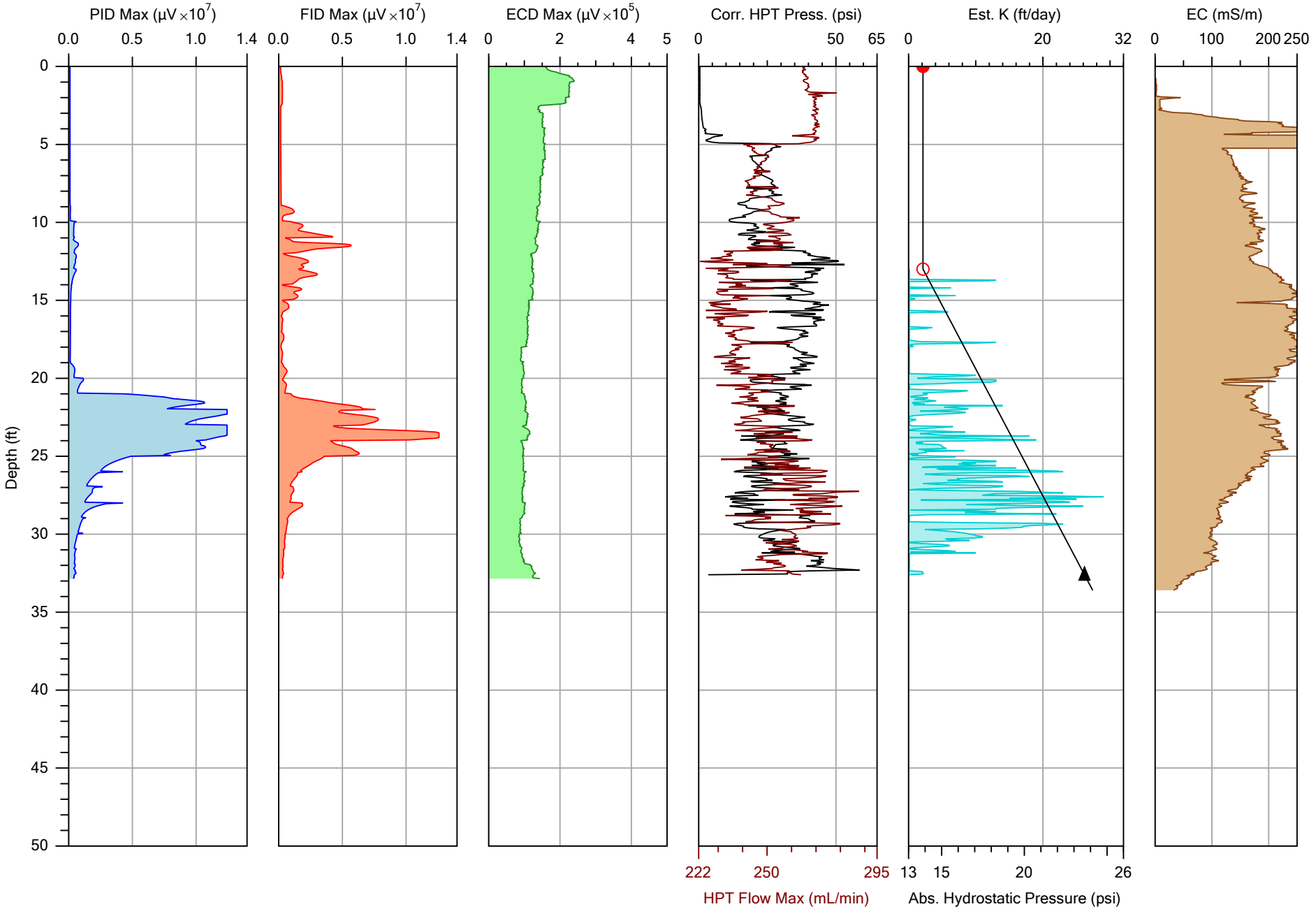
SWMU54-2.MHP	11/7/2012
SWMU54-3.MHP	11/7/2012



COLUMBIA TECHNOLOGIES

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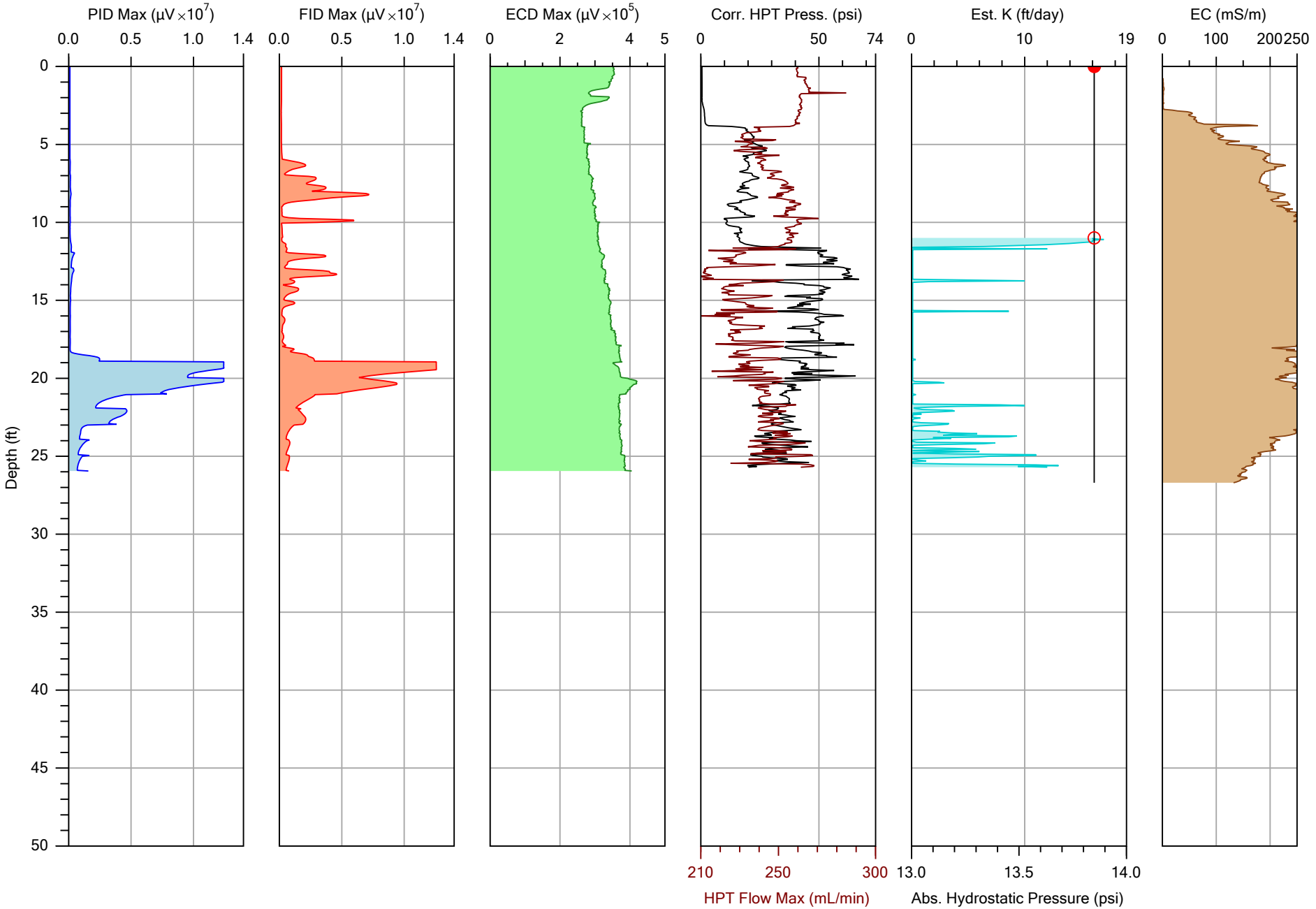

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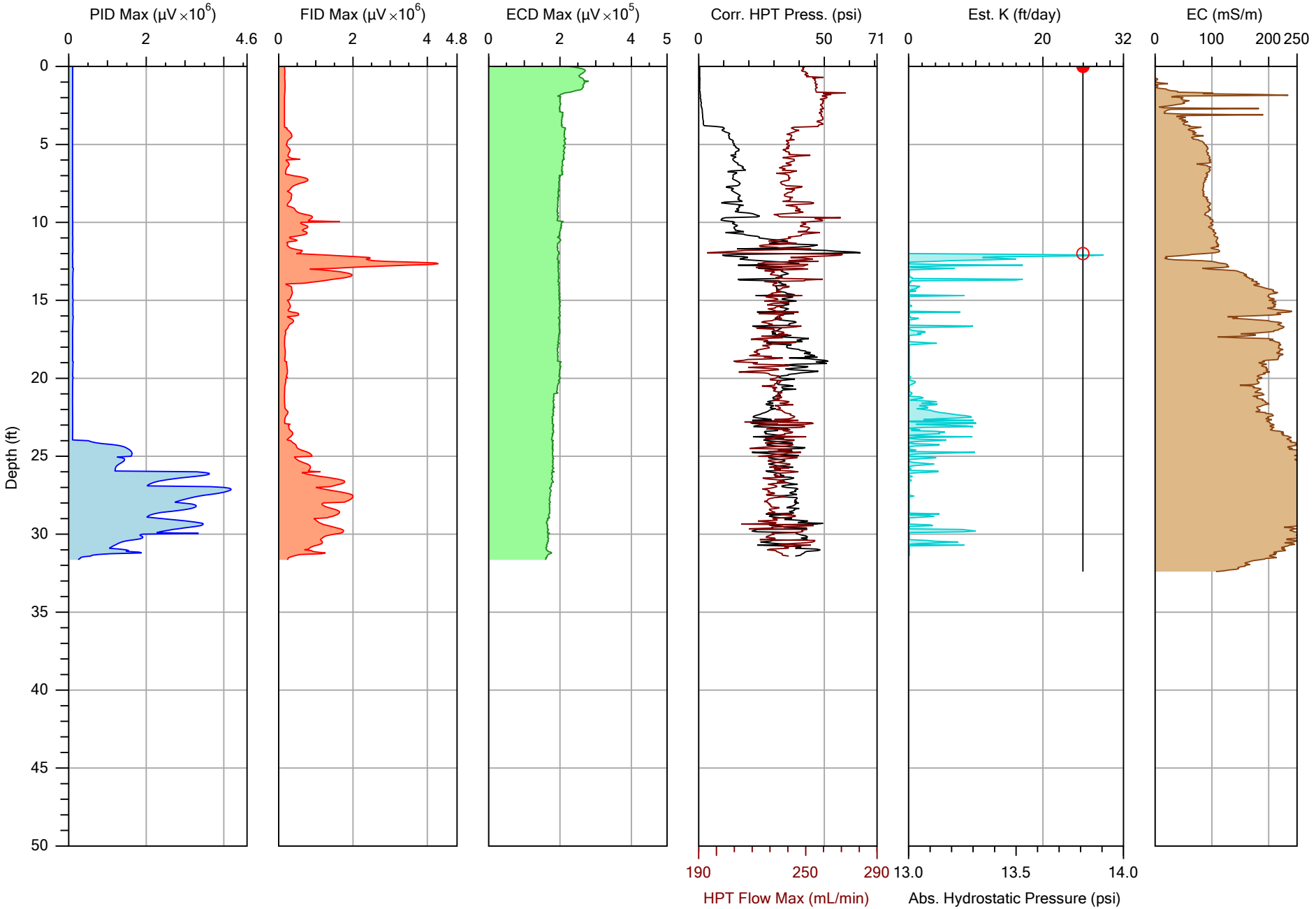

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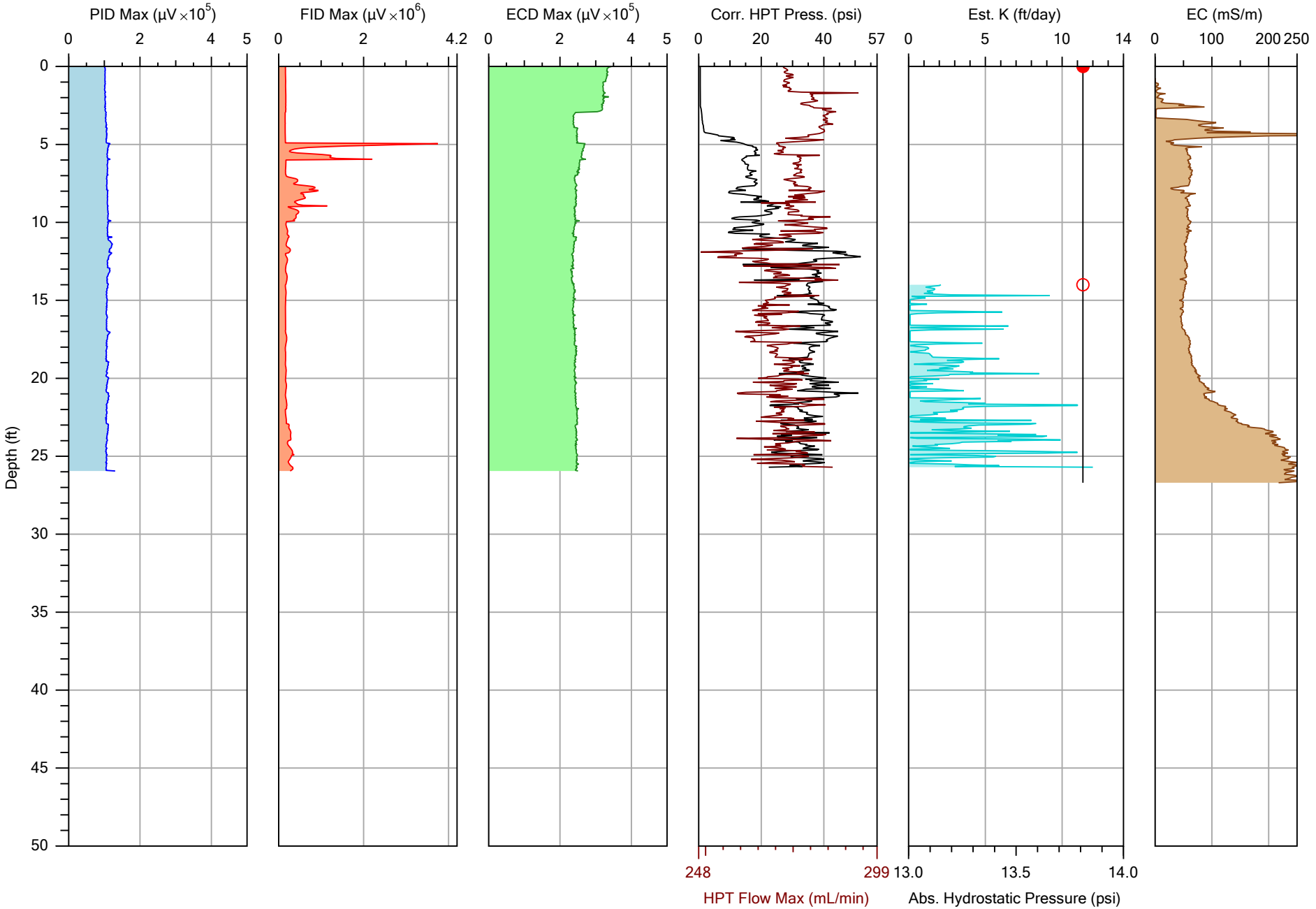

COLUMBIA TECHNOLOGIES

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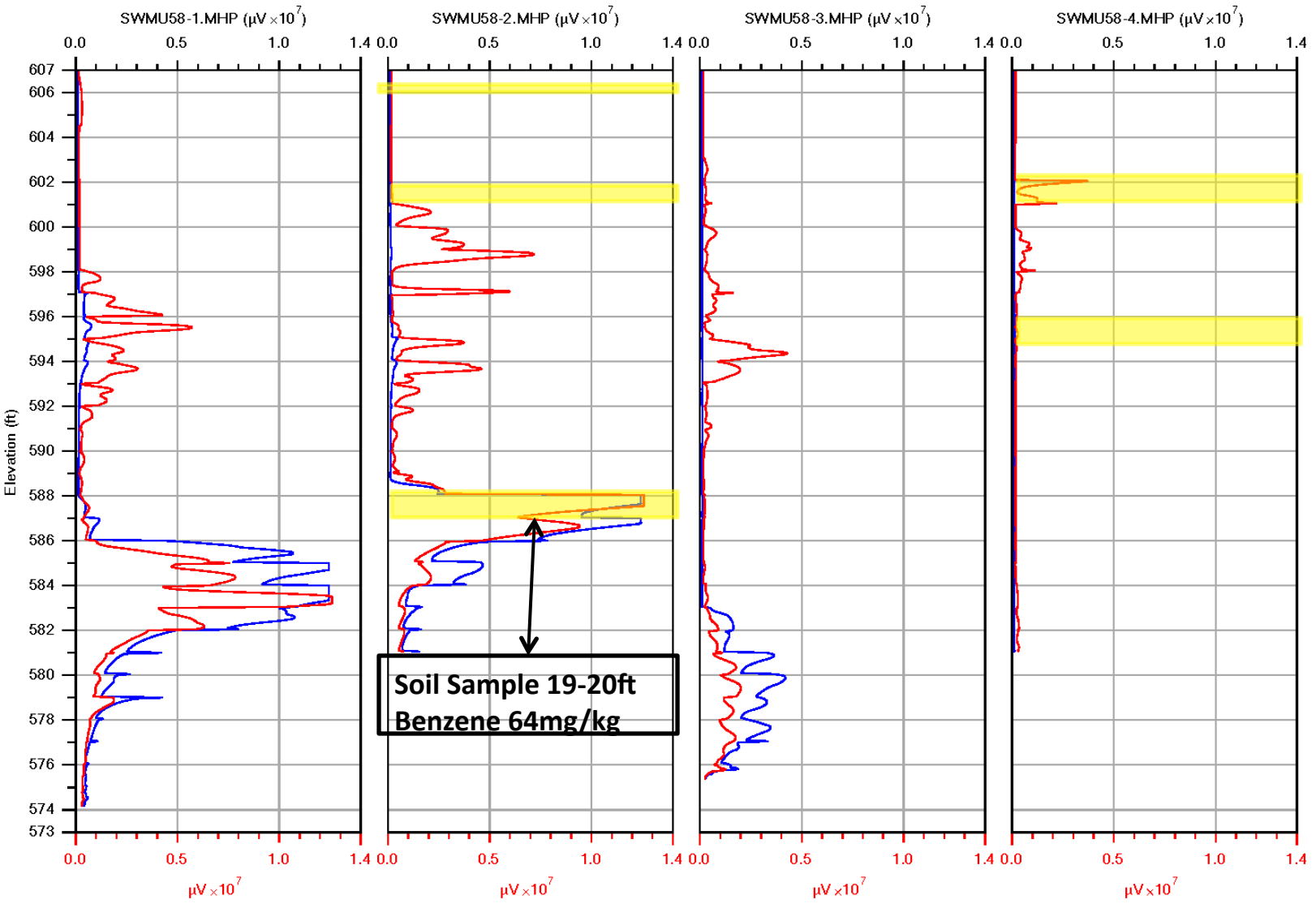
Company: Columbia Technologies	Operator: DJM	Date: 11/30/2012
Project ID: Belle, WV	Client: URS	Location:

SWMU58 PID/FID



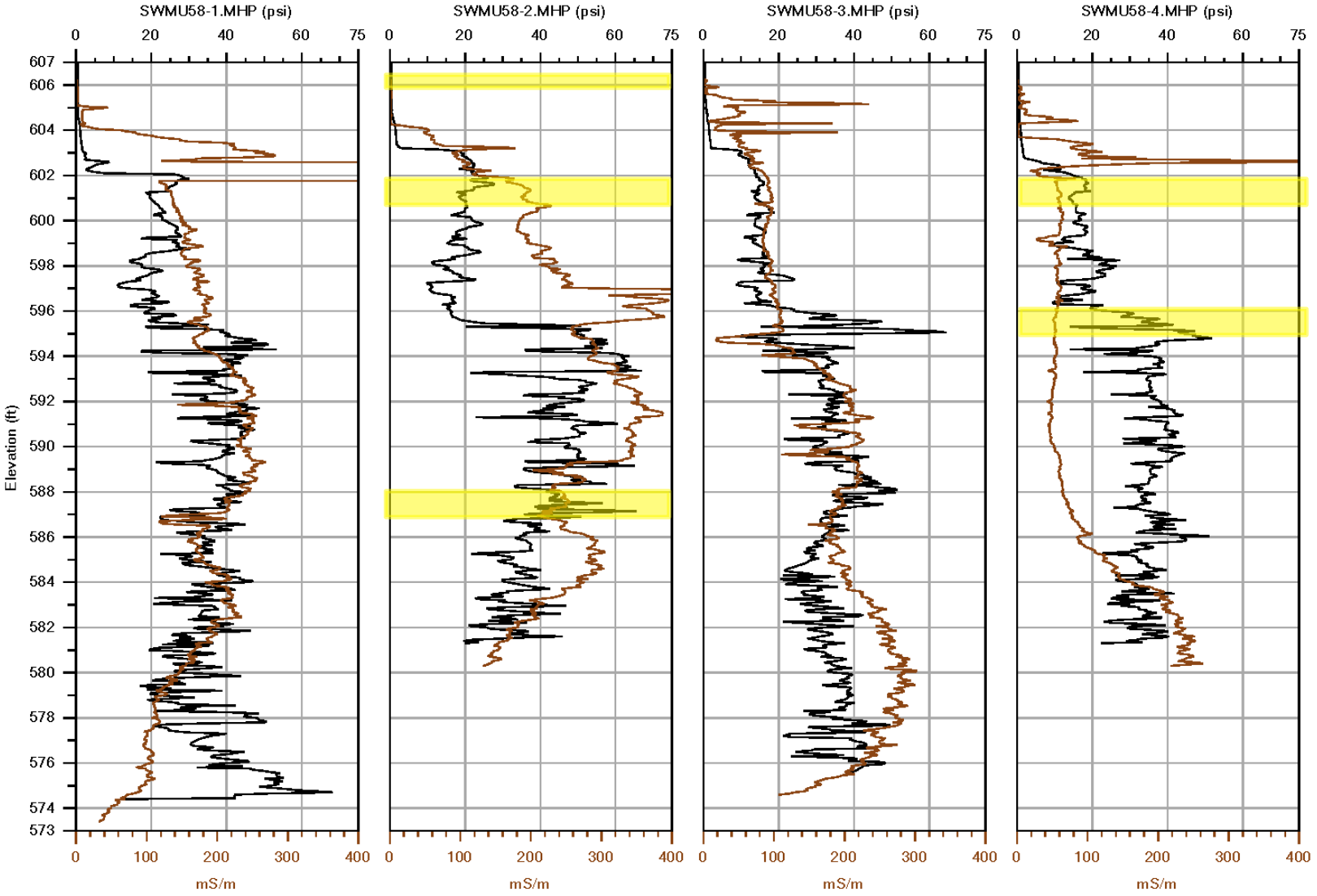
COLUMBIA TECHNOLOGIES

PID Max / FID Max

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU58-1.MHP	11/30/2012
SWMU58-2.MHP	11/30/2012
SWMU58-3.MHP	11/30/2012
SWMU58-4.MHP	11/30/2012

SWMU58 HPT/EC



COLUMBIA TECHNOLOGIES

Corr. HPT Press. / EC

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

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SWMU58-2.MHP	11/30/2012
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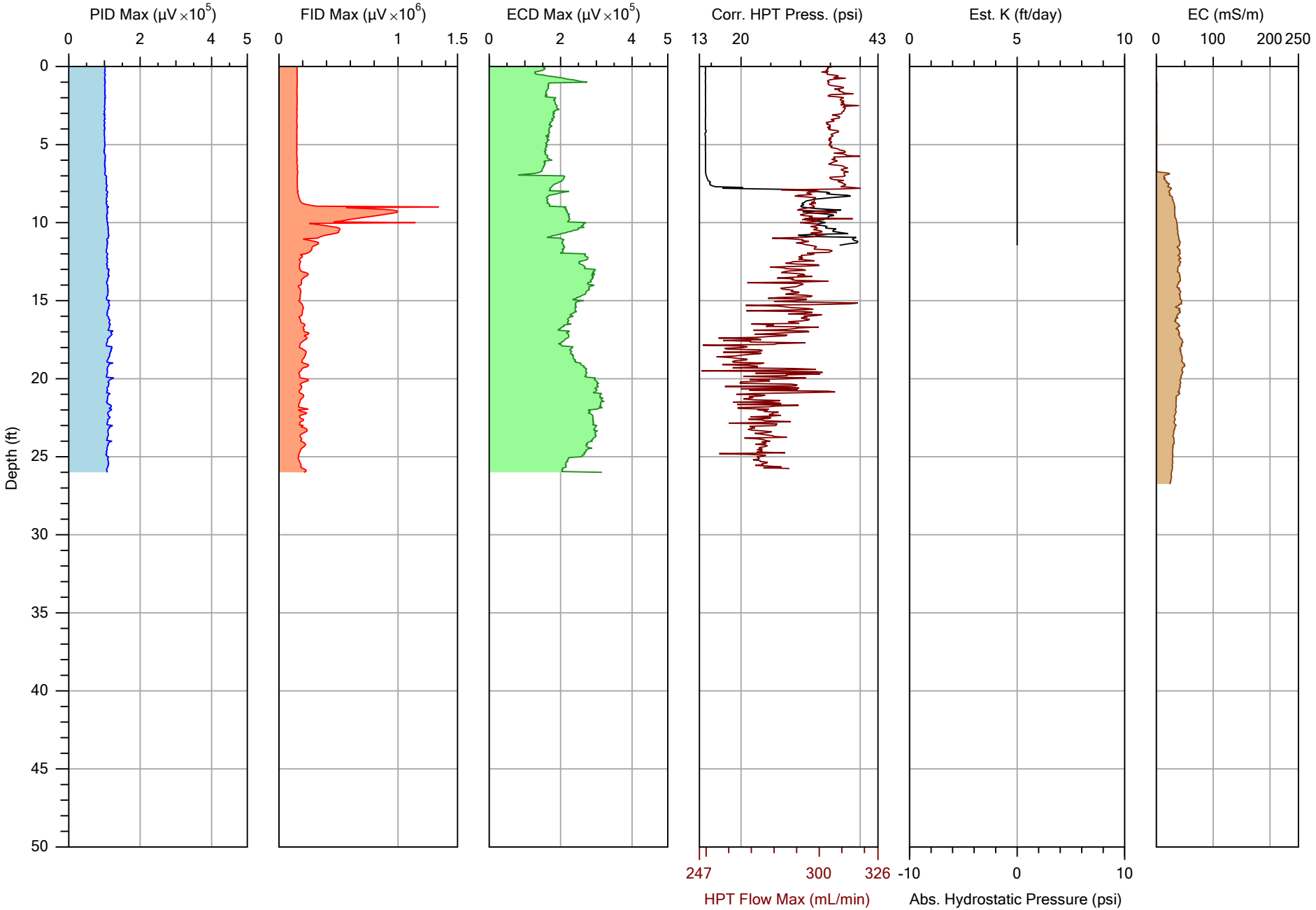

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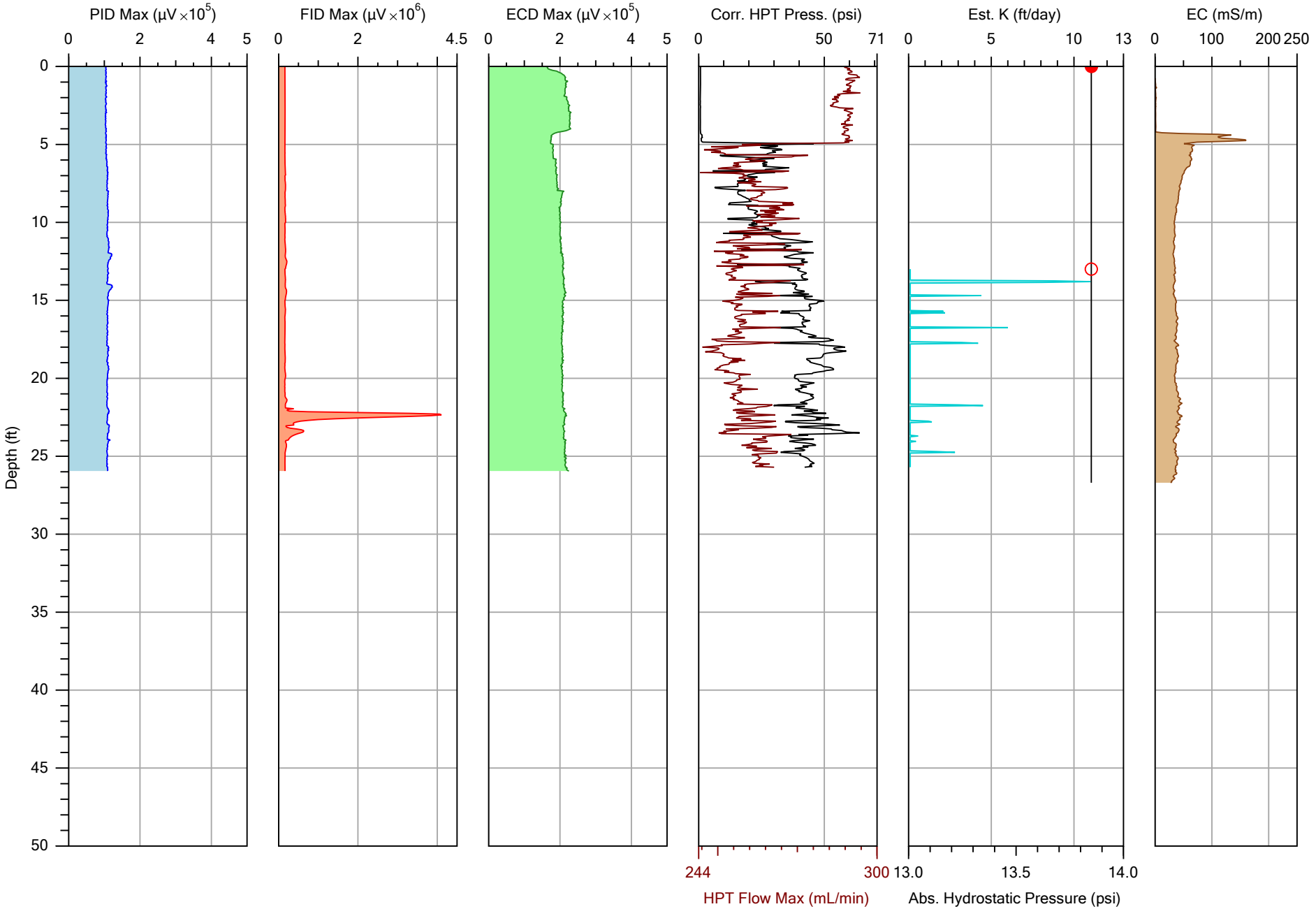

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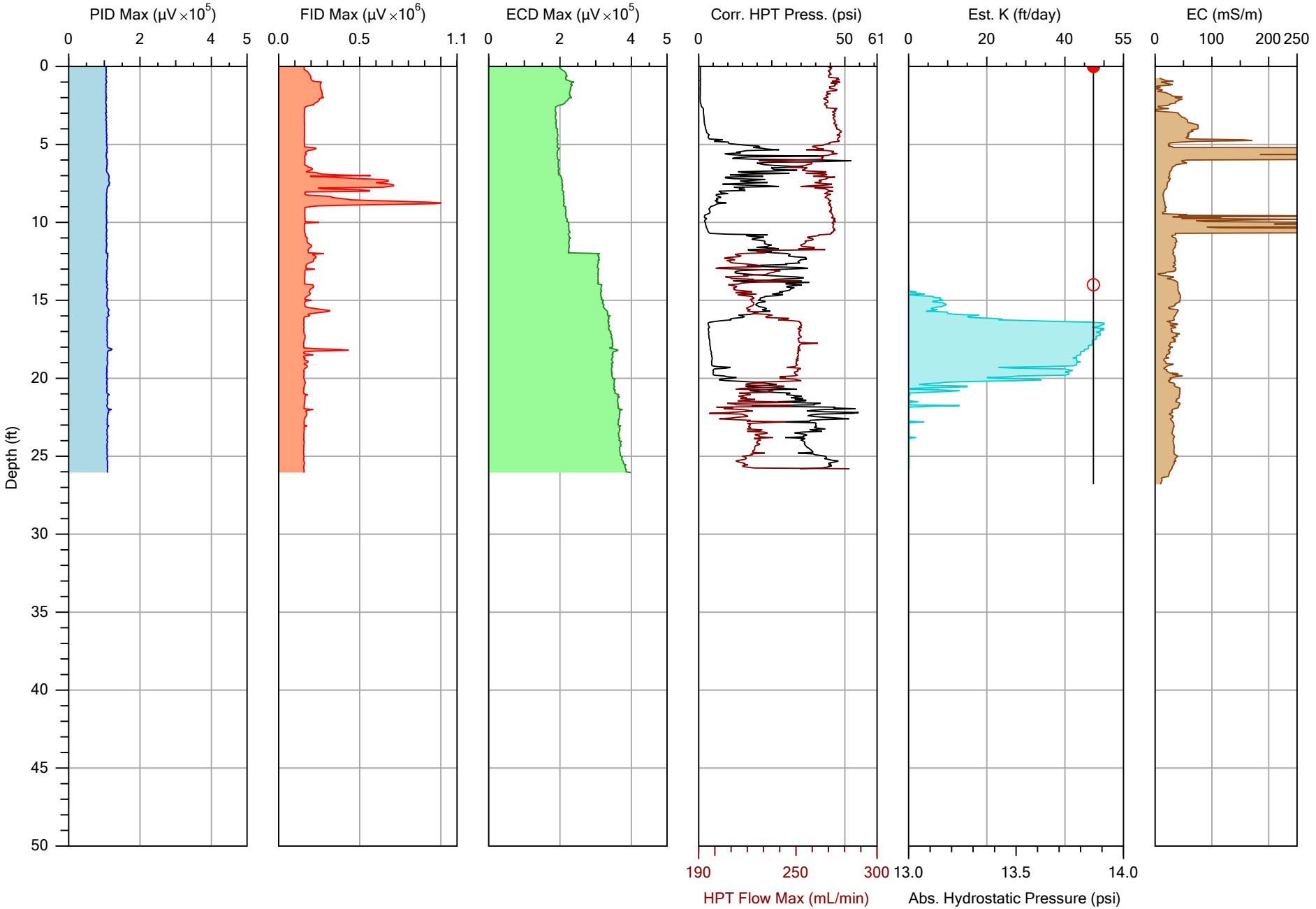
Company: Columbia Technologies	Operator: DJM	Date: 12/1/2012
Project ID: Belle, WV	Client: URS	Location:



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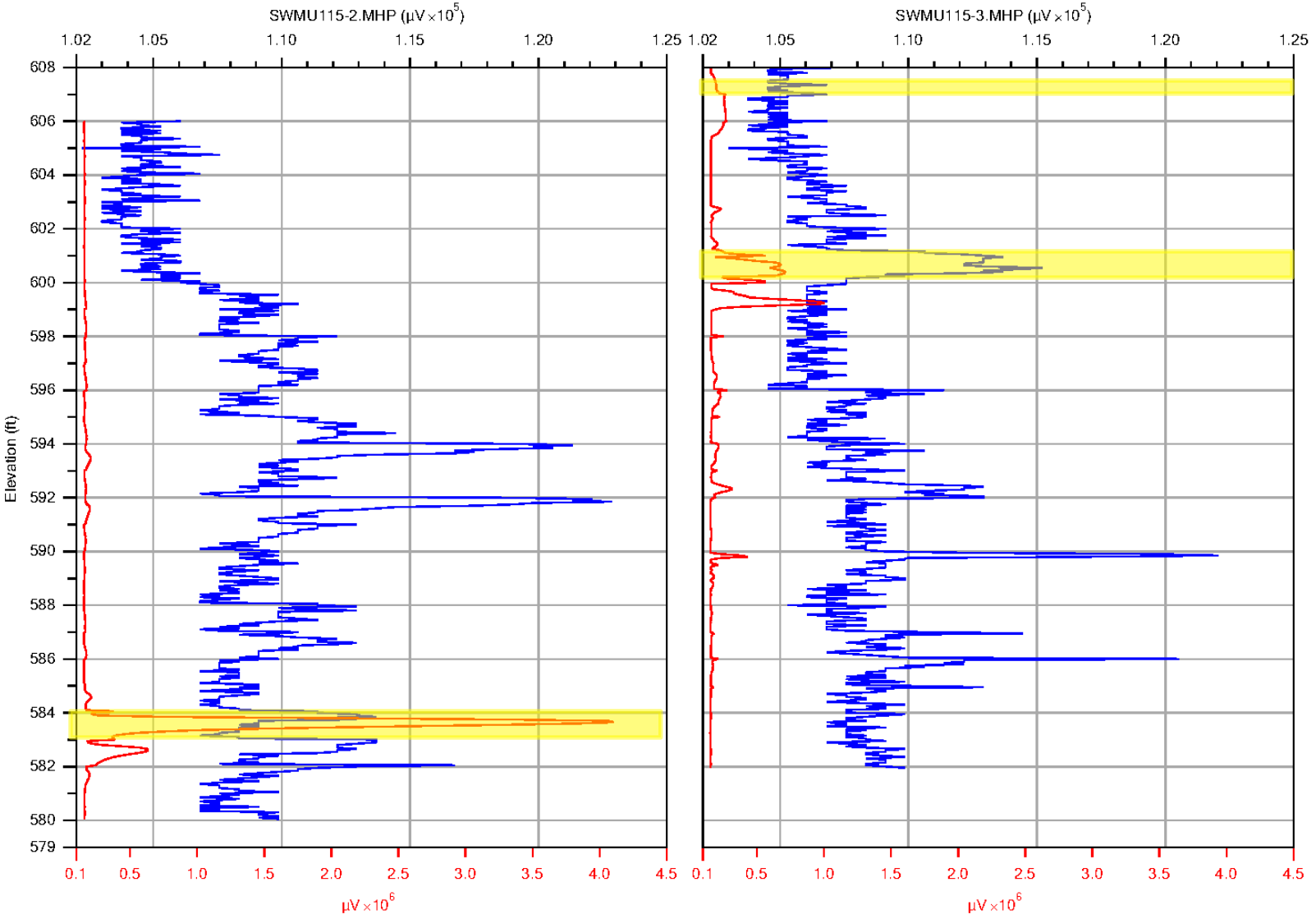
		File: SWMU115-3.MHP
Company: Columbia Technologies	Operator: DJM	Date: 12/1/2012
Project ID: Belle, WV	Client: URS	Location:

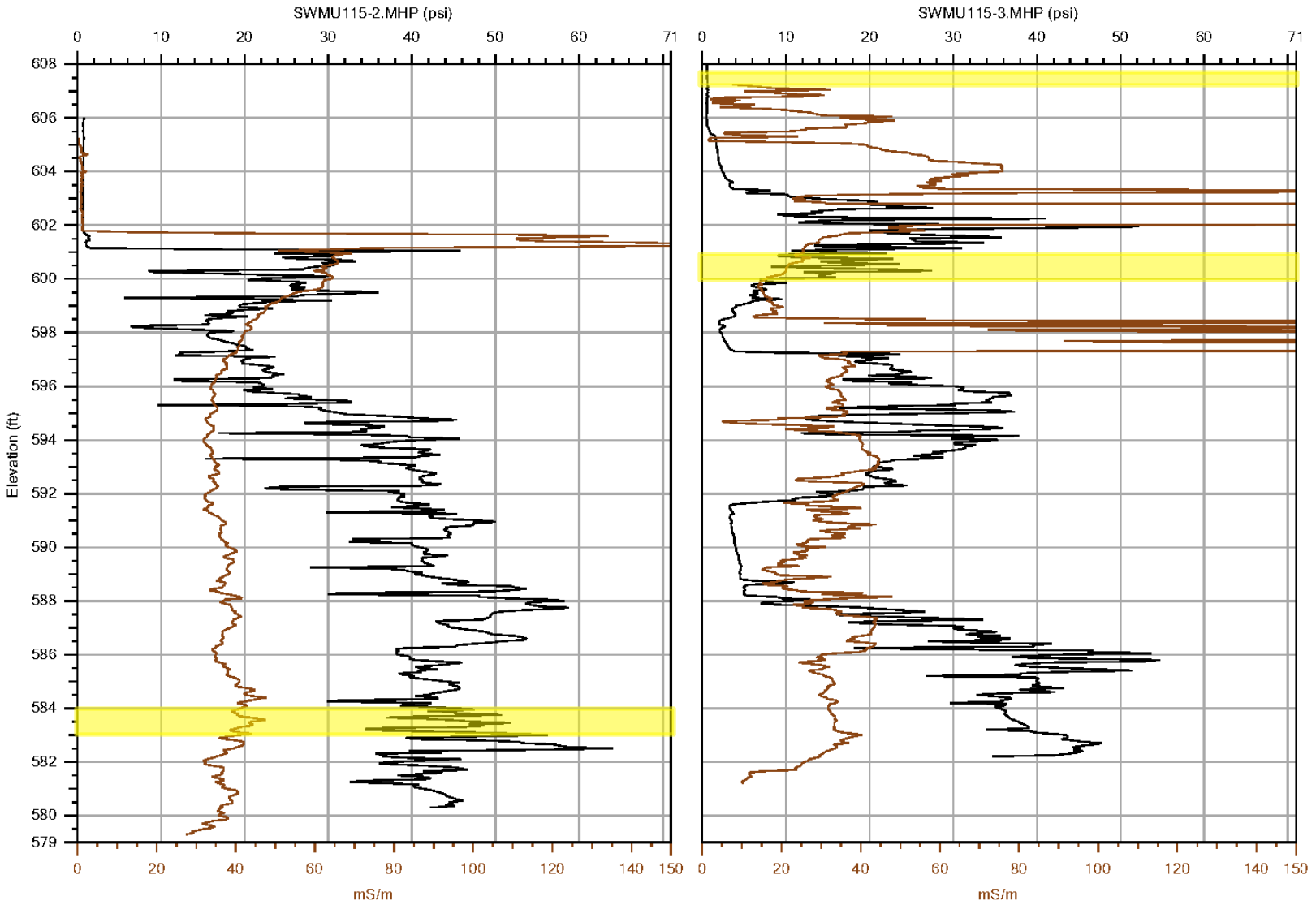
SWMU115 PID/FID



PID Max / FID Max

Company: Columbia Technologies	Operator: DJM	SWMU115-2.MHP 12/1/2012
Project ID: Belle, WV	Client: URS	SWMU115-3.MHP 12/1/2012

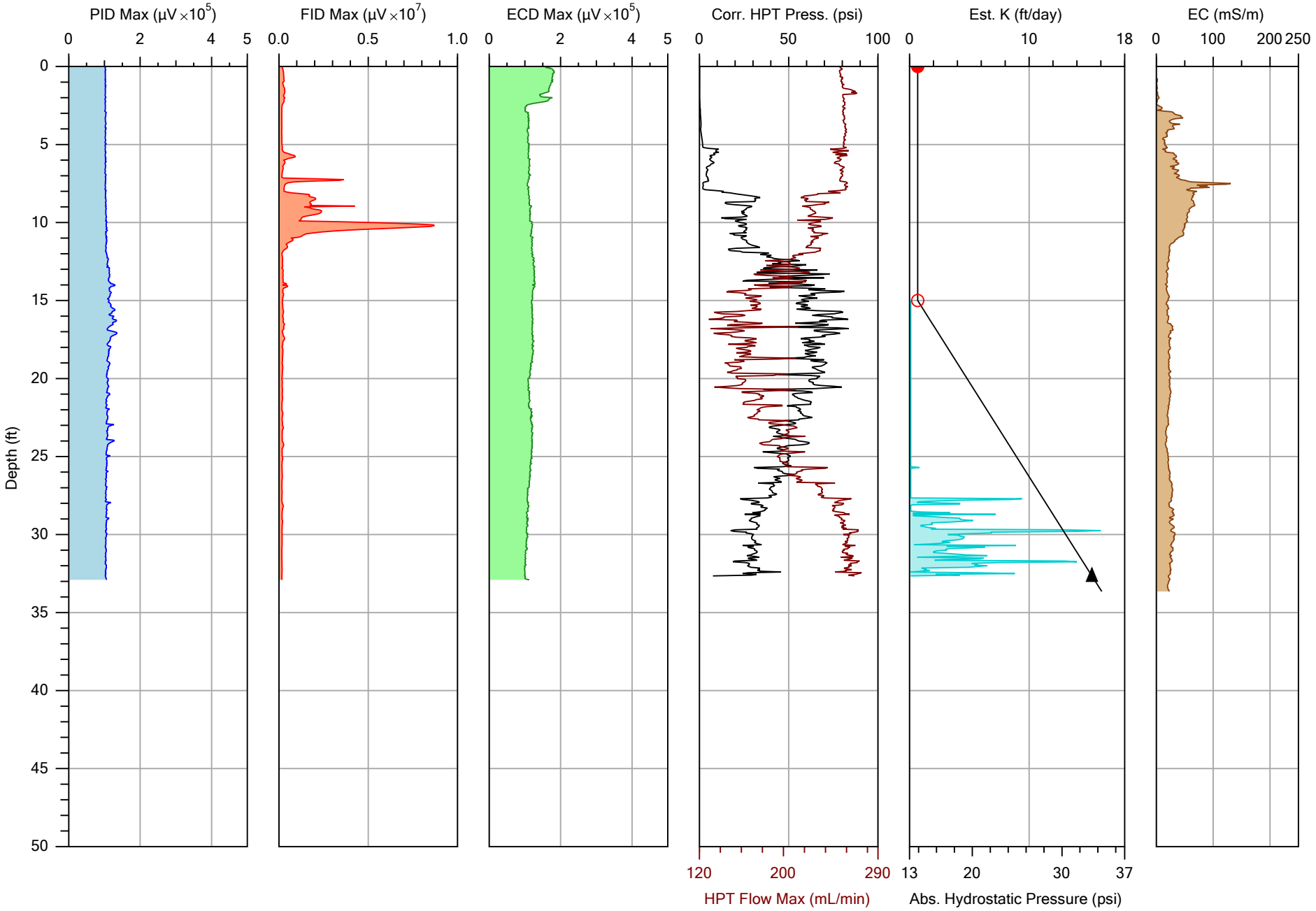
SWMU115 HPT/EC



Corr. HPT Press. / EC

COLUMBIA TECHNOLOGIES

Company: Columbia Technologies	Operator: DJM	SWMU115-2.MHP 12/1/2012
Project ID: Belle, WV	Client: URS	SWMU115-3.MHP 12/1/2012



COLUMBIA TECHNOLOGIES

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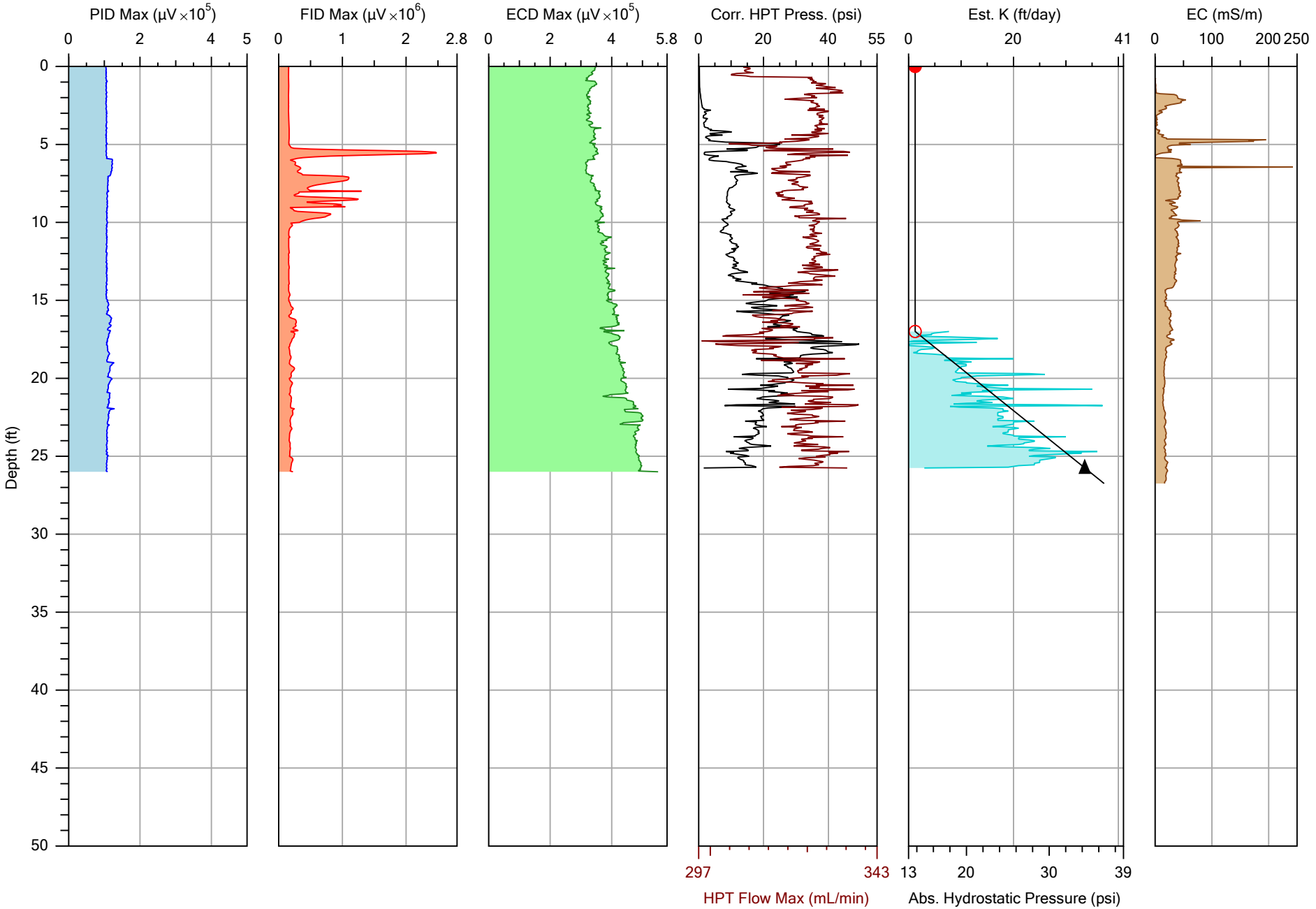
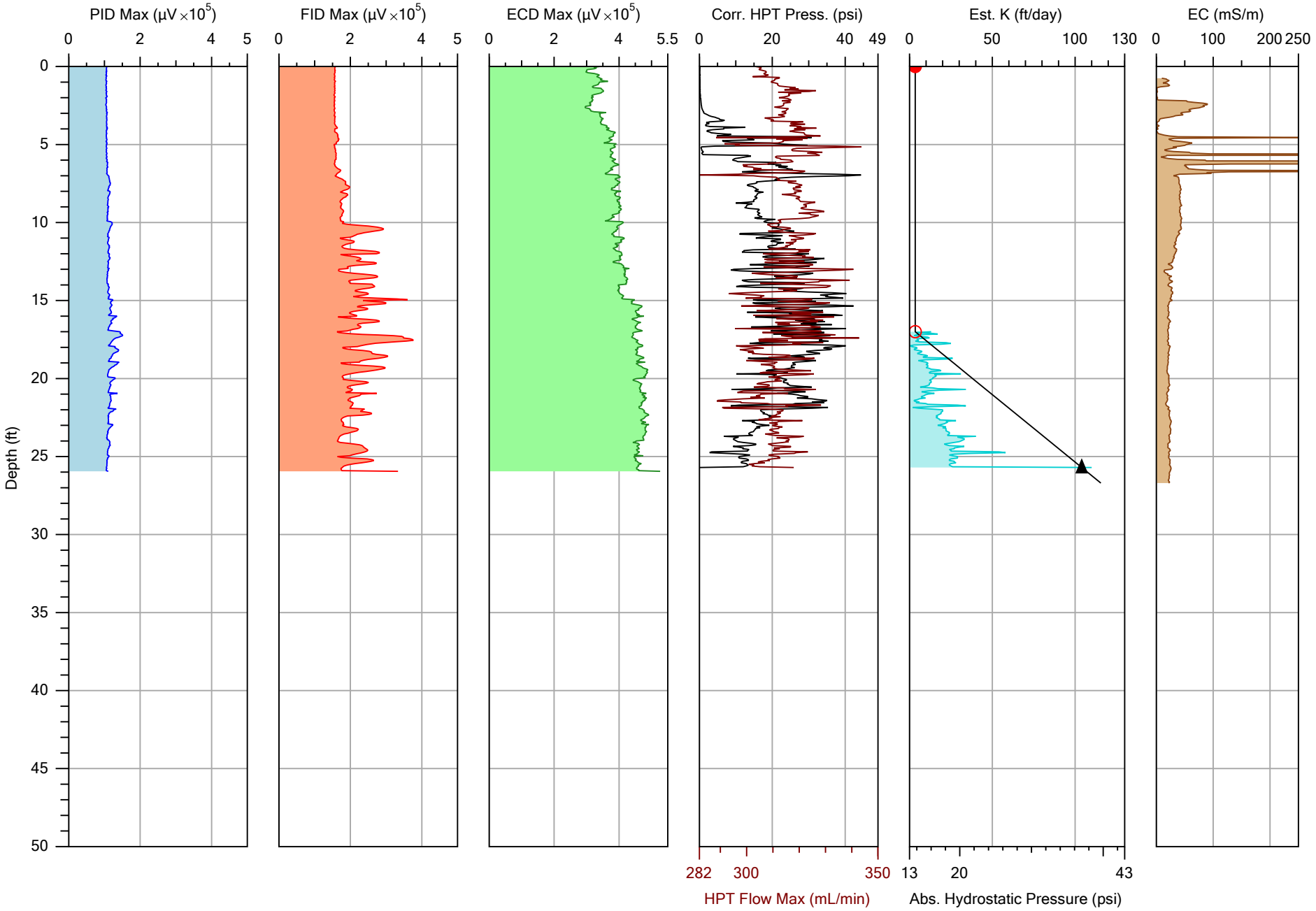
		File: SWMU121-2.MHP
Company: Columbia Technologies	Operator: DJM	Date: 11/13/2012
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

(c) Copyright 2012 - All Rights Researved

		File: SWMU122-1.MHP
Company: Columbia Technologies	Operator: DJM	Date: 11/12/2012
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

(c) Copyright 2012 - All Rights Researved

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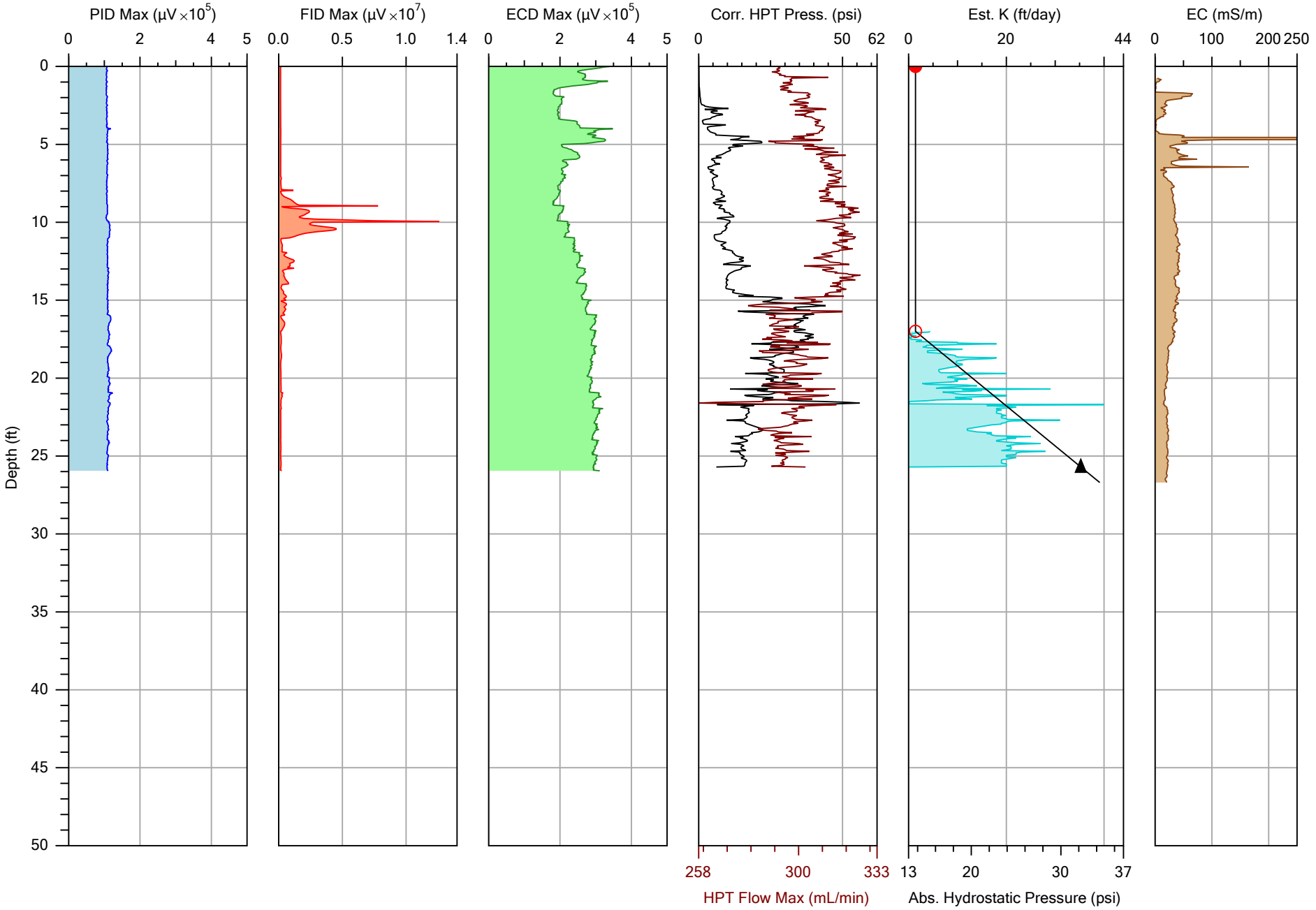
Company: Columbia Technologies	Operator: DJM	Date: 11/12/2012
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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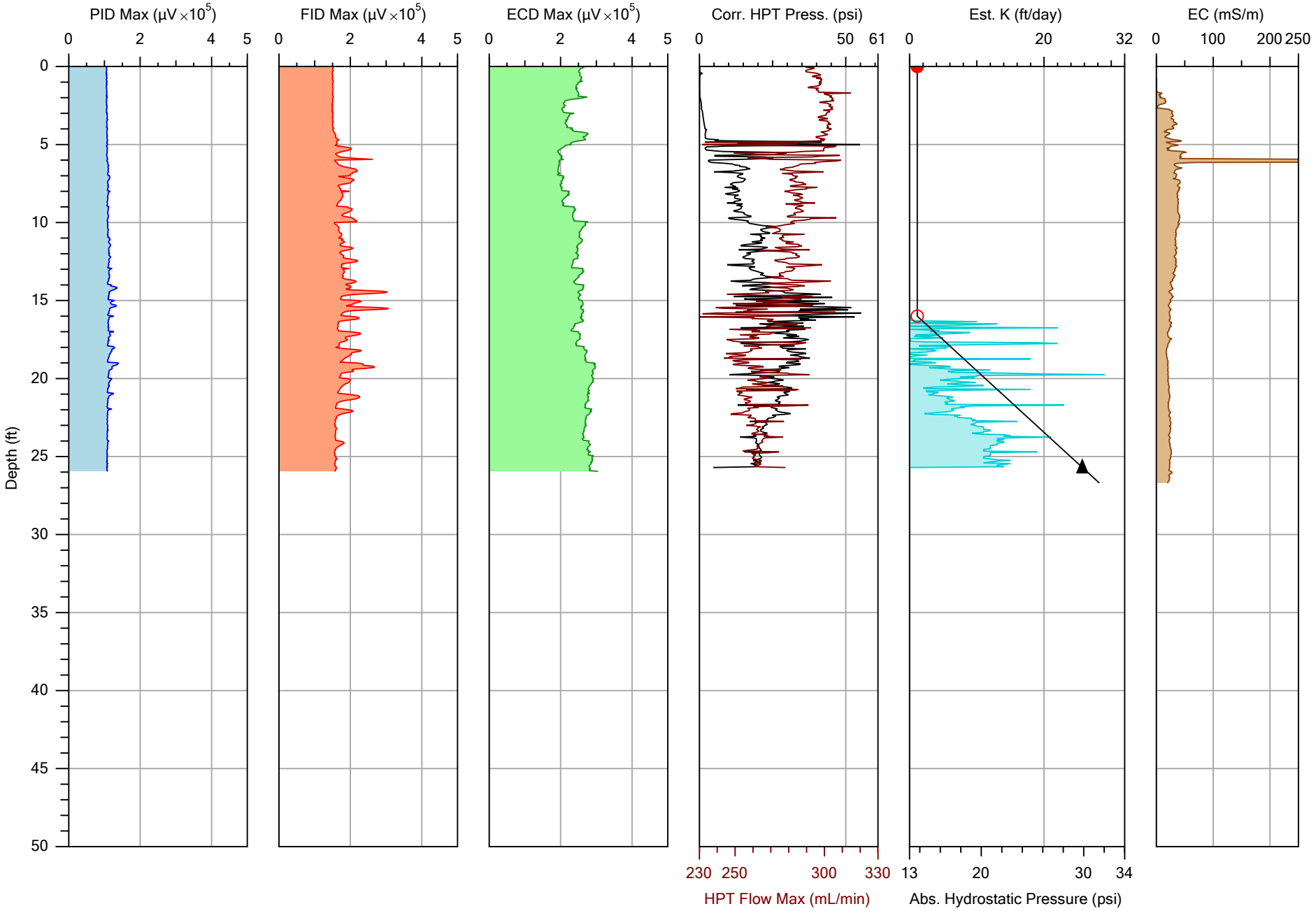
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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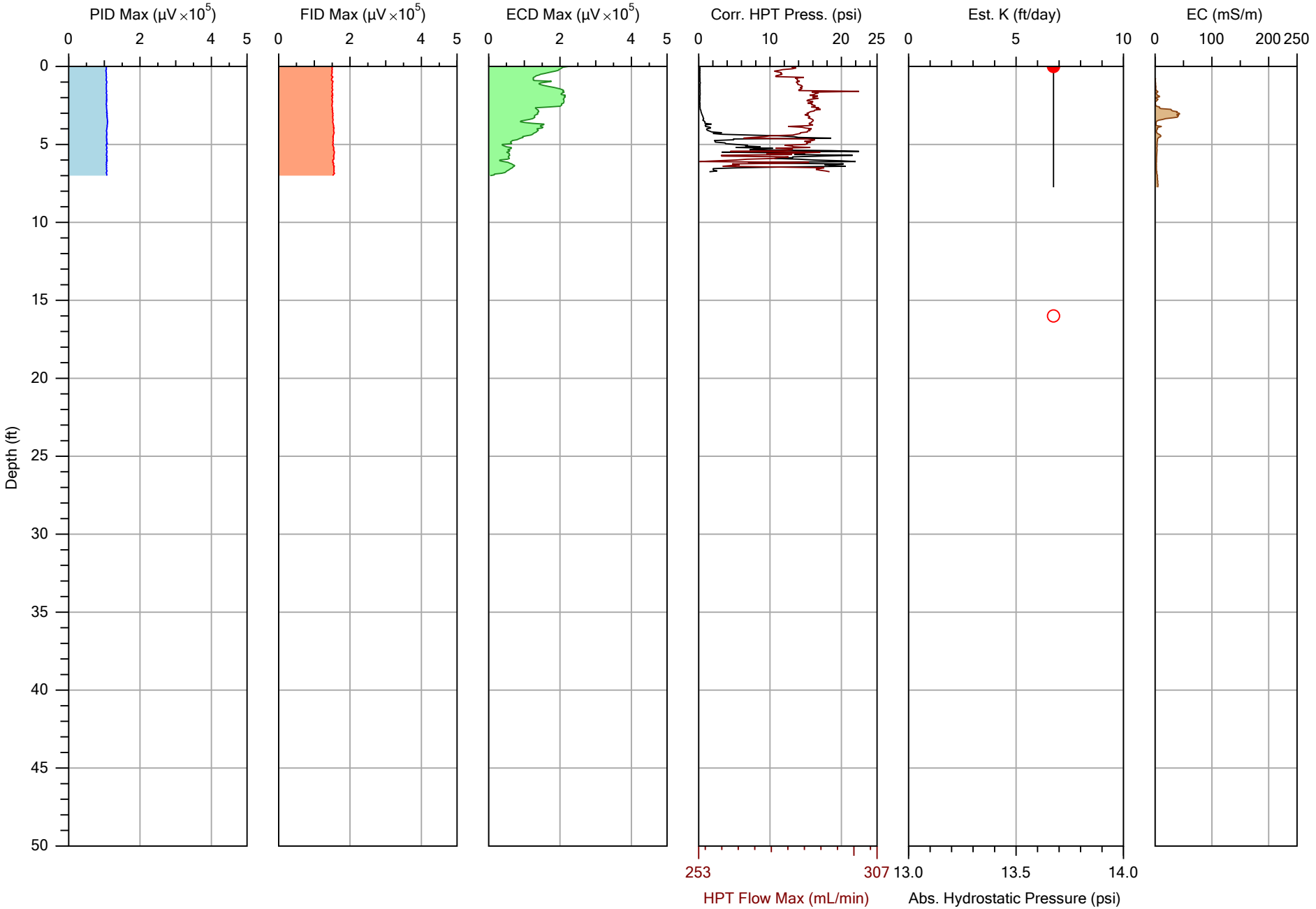
Company: Columbia Technologies	Operator: DJM	Date: 11/12/2012
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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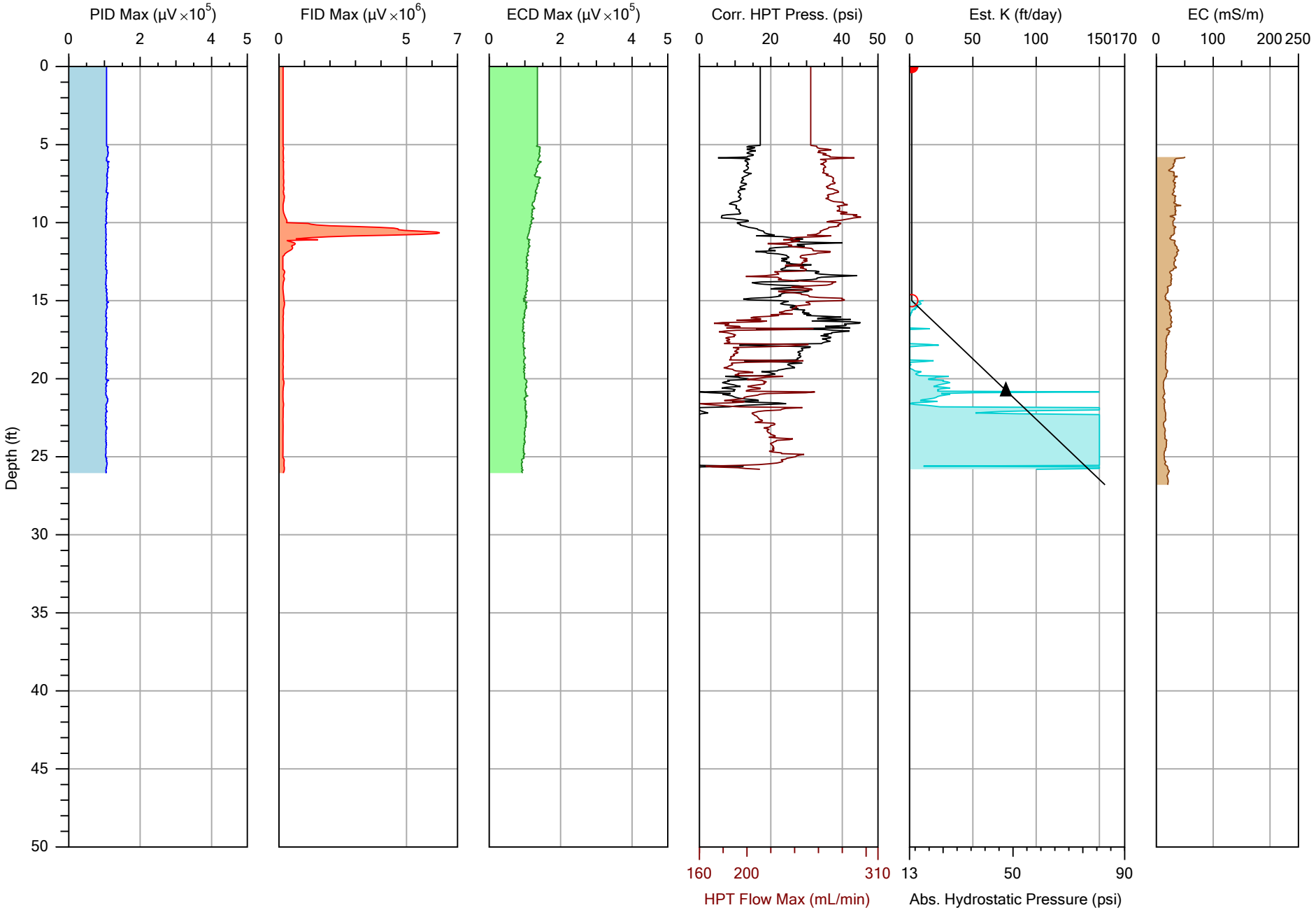
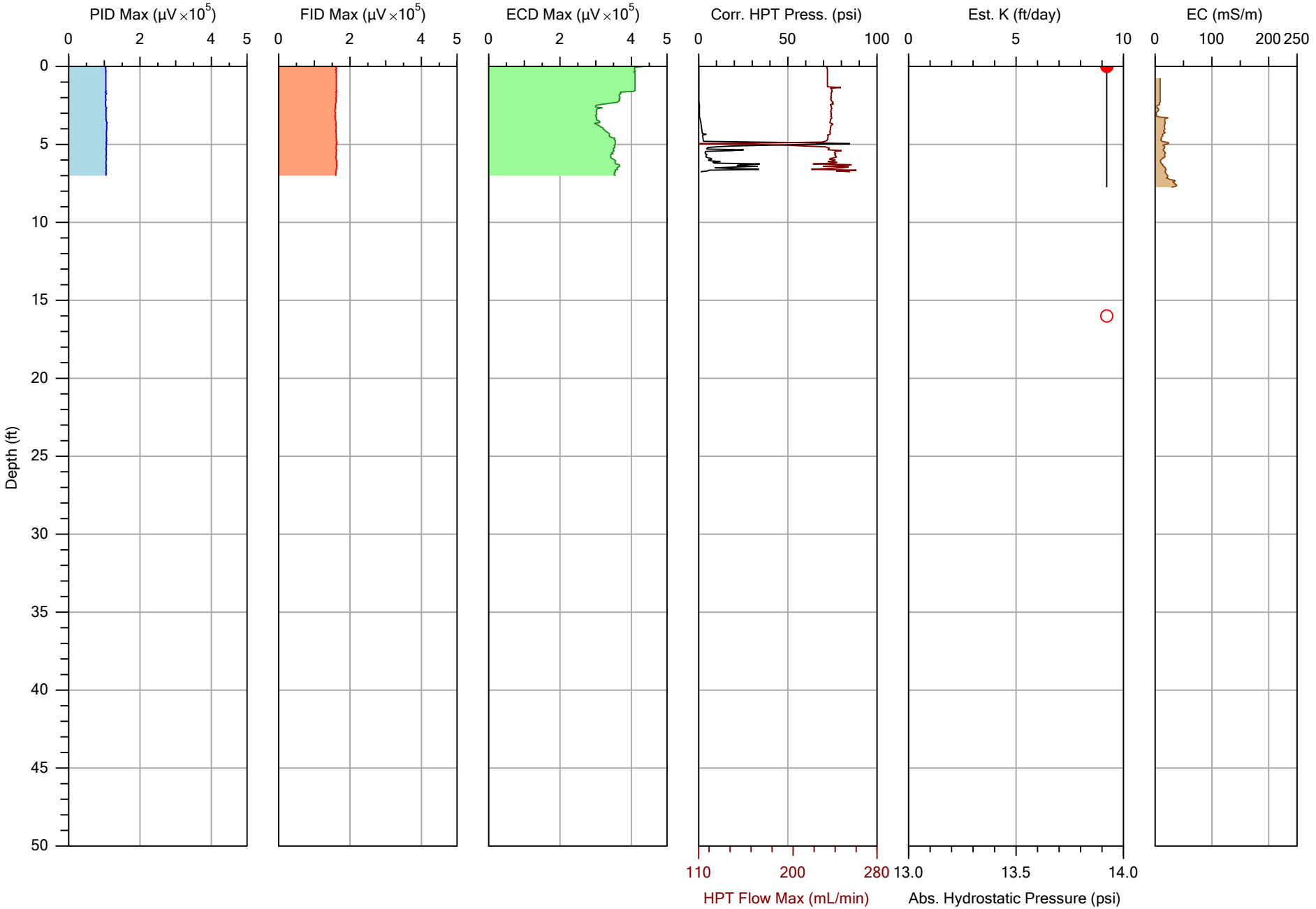
Company: Columbia Technologies	Operator: DJM	Date: 11/12/2012
Project ID: Belle, WV	Client: URS	Location:



(c) Copyright 2012 - All Rights Researved

		File: SWMU122-6.MHP
Company: Columbia Technologies	Operator: DJM	Date: 11/12/2012
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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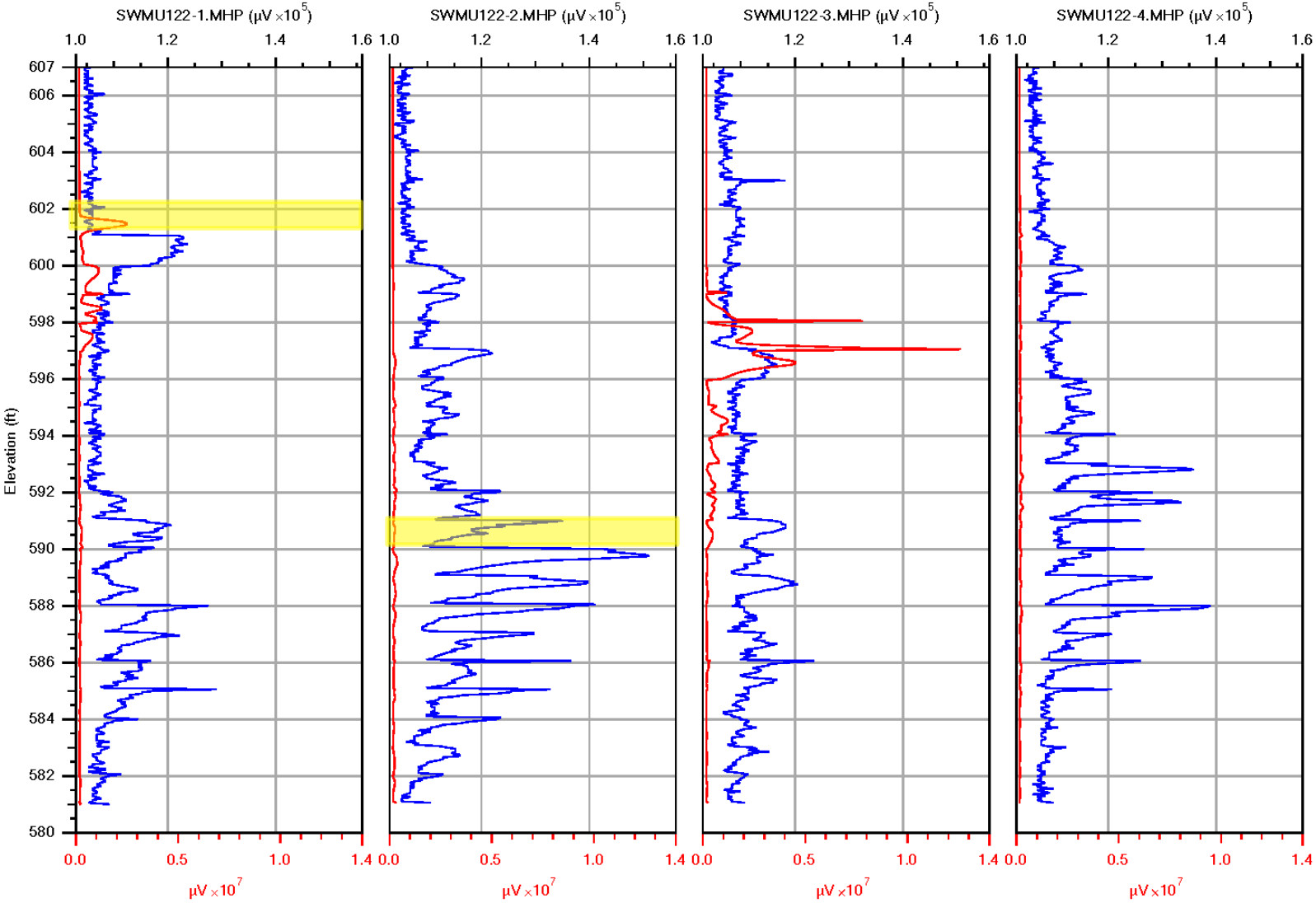
		File: SWMU122-7.MHP
Company: Columbia Technologies	Operator: DJM	Date: 11/13/2012
Project ID: Belle, WV	Client: URS	Location:

SWMU122-1 to SWMU122-4 PID/FID



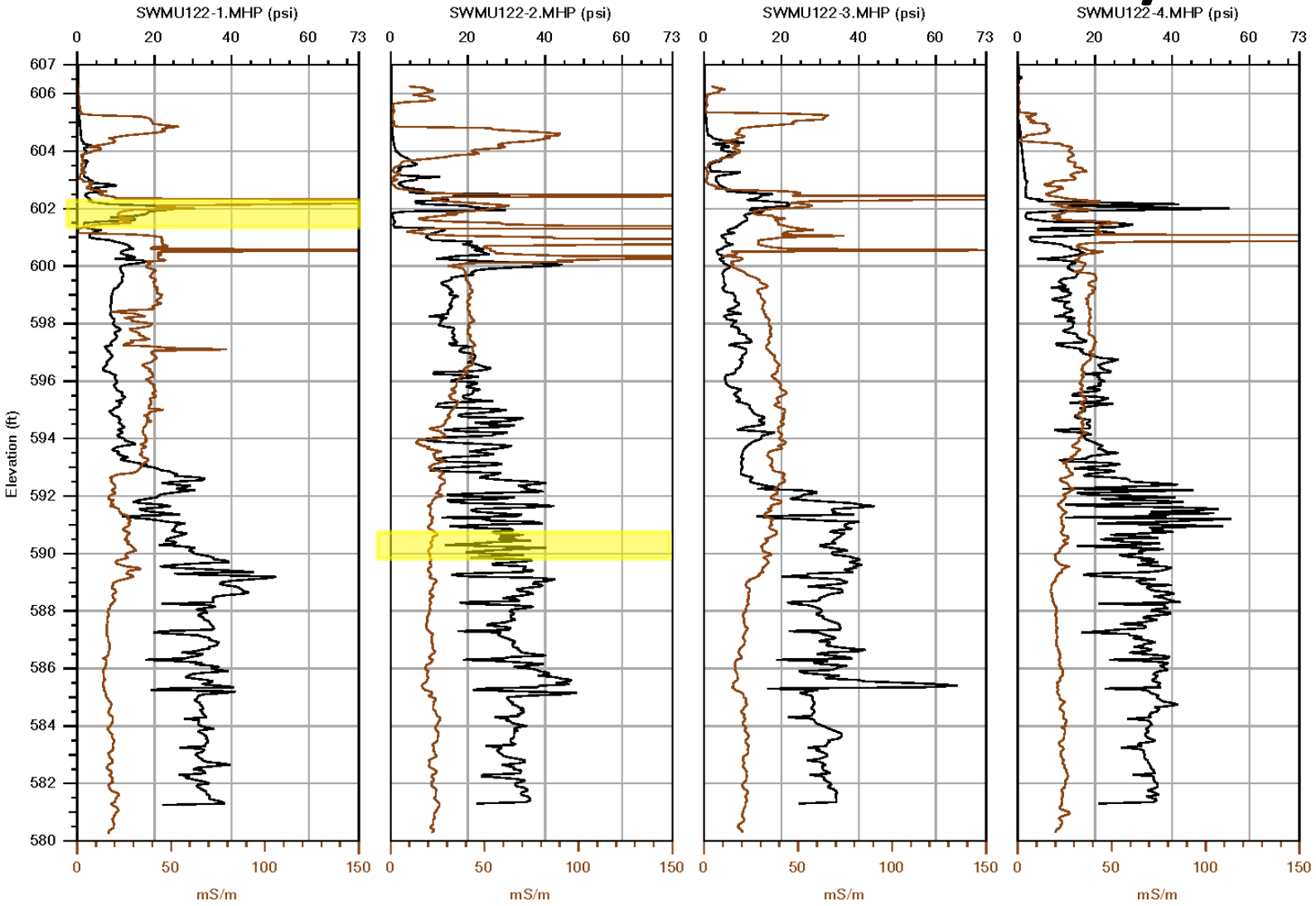
COLUMBIA TECHNOLOGIES

PID Max / FID Max

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU122-1.MHP	11/12/2012
SWMU122-2.MHP	11/12/2012
SWMU122-3.MHP	11/12/2012
SWMU122-4.MHP	11/12/2012

SWMU122-1 to SWMU122-4 HPT/EC



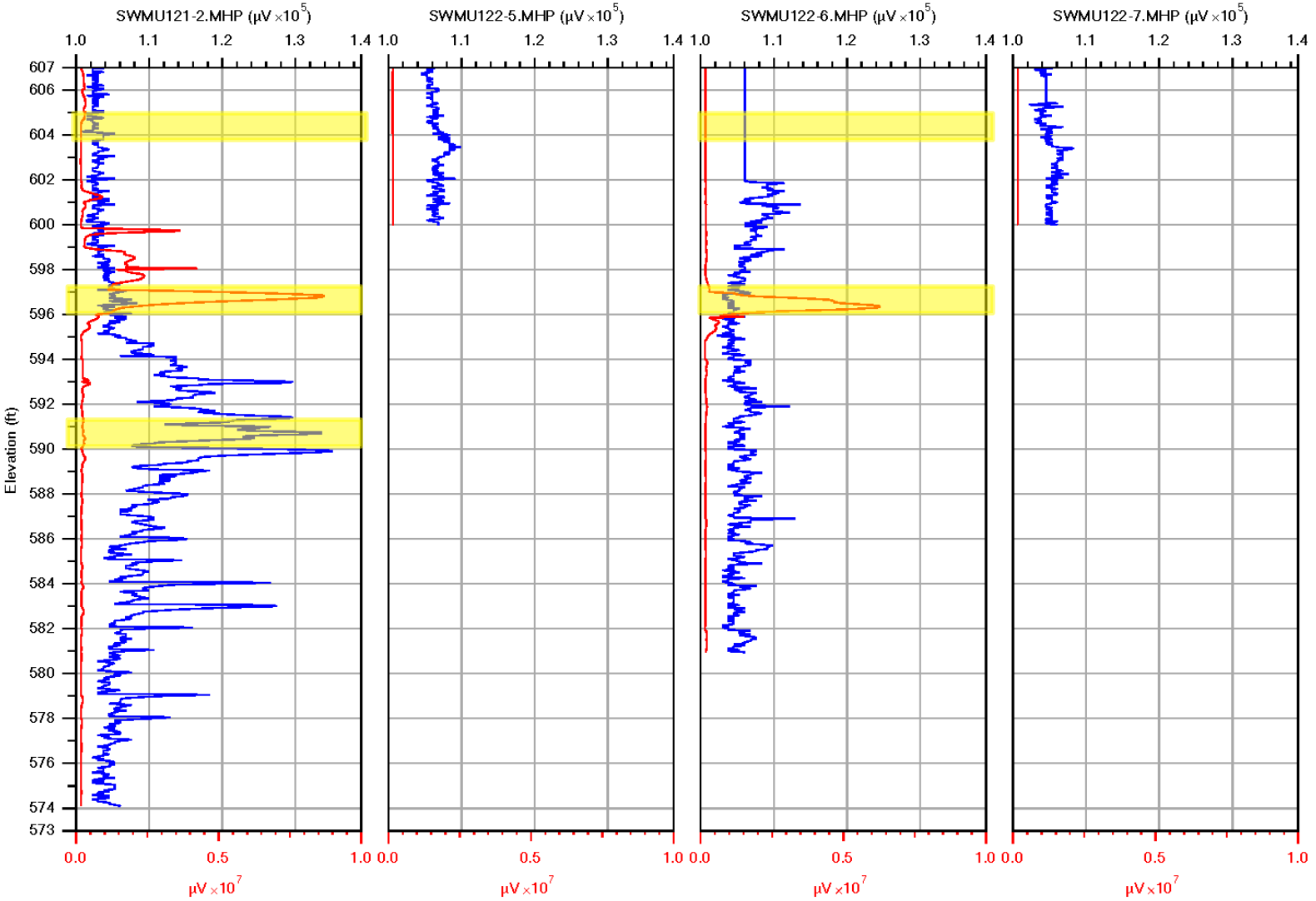
COLUMBIA TECHNOLOGIES

Corr. HPT Press. / EC

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU122-1.MHP	11/12/2012
SWMU122-2.MHP	11/12/2012
SWMU122-3.MHP	11/12/2012
SWMU122-4.MHP	11/12/2012

SWMU122-5 to SWMU121-1 PID/FID



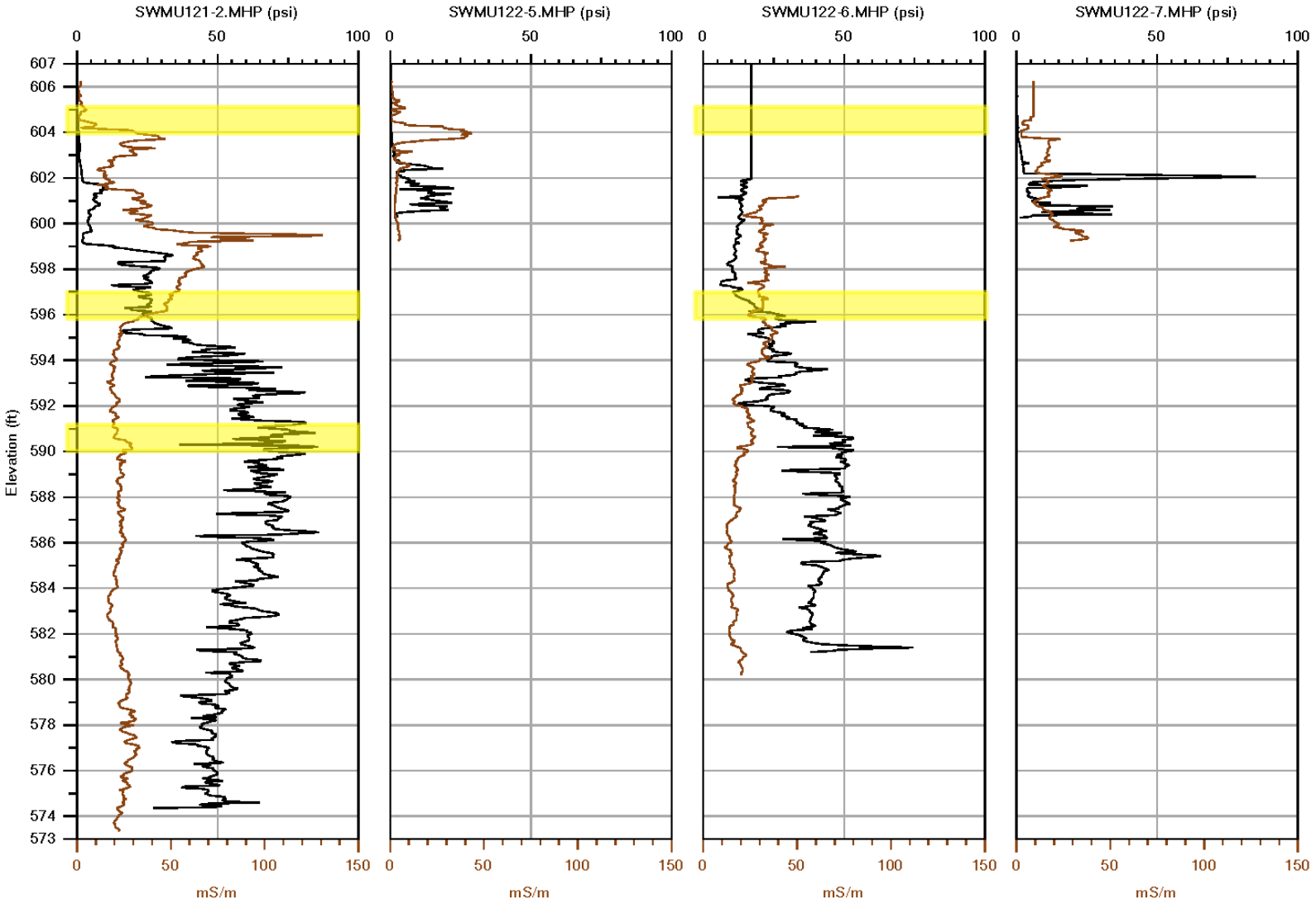
COLUMBIA TECHNOLOGIES

PID Max / FID Max

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU121-2.MHP	11/13/2012
SWMU122-5.MHP	11/12/2012
SWMU122-6.MHP	11/12/2012
SWMU122-7.MHP	11/13/2012

SWMU122-5 to SWMU121-1 HPT/EC

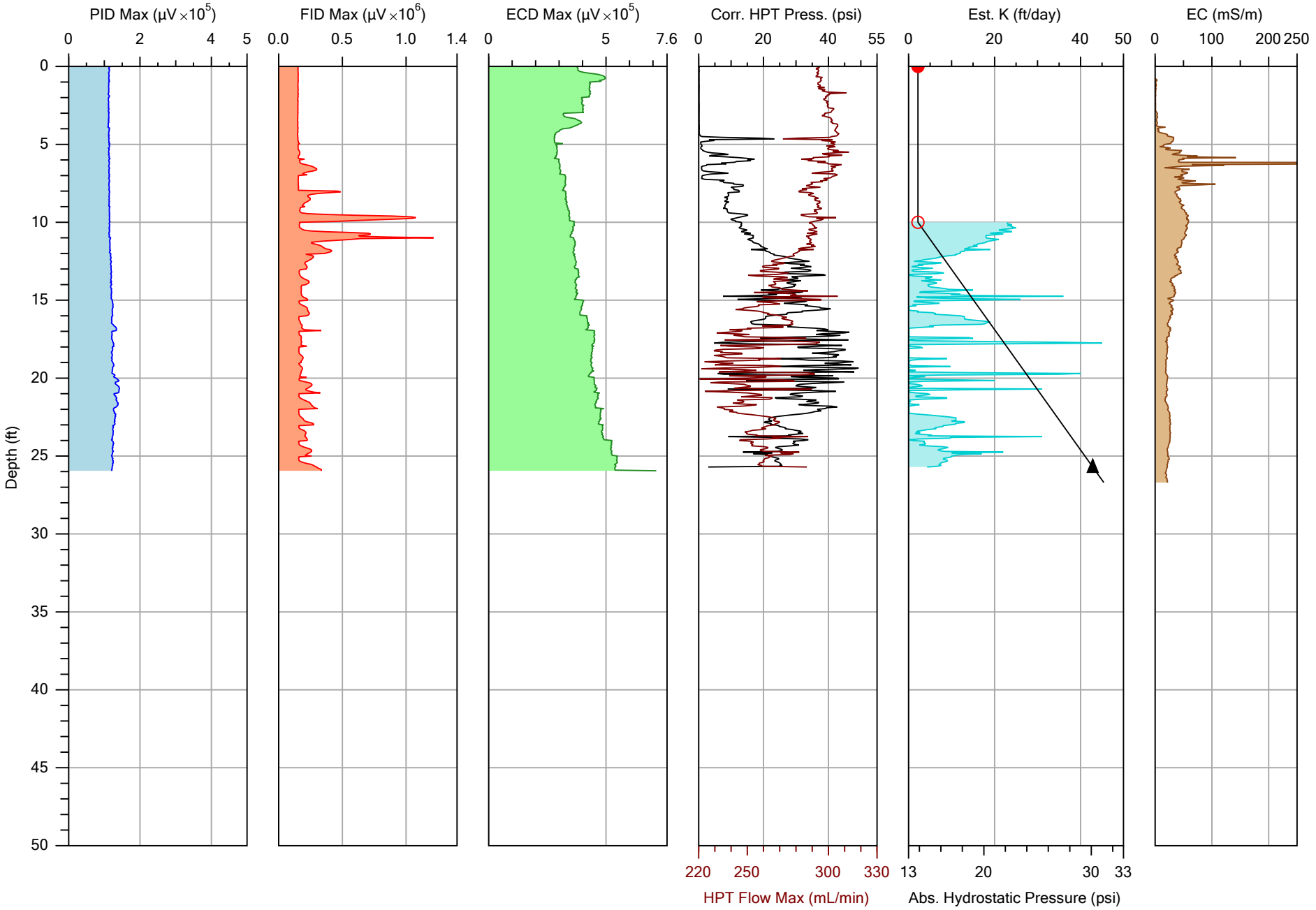


COLUMBIA TECHNOLOGIES

Corr. HPT Press. / EC

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU121-2.MHP	11/13/2012
SWMU122-5.MHP	11/12/2012
SWMU122-6.MHP	11/12/2012
SWMU122-7.MHP	11/13/2012



COLUMBIA TECHNOLOGIES

(c) Copyright 2012 - All Rights Researved

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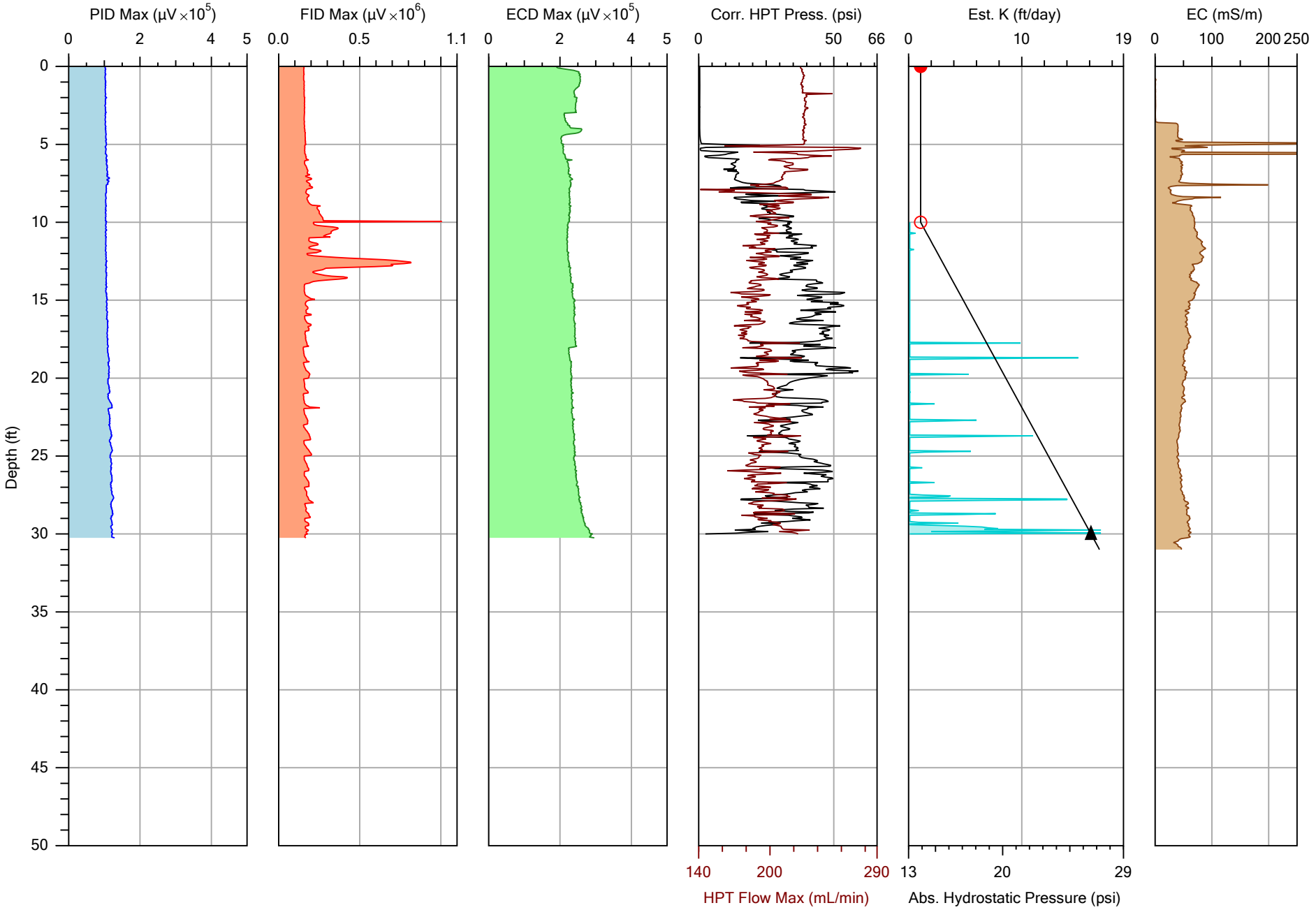
Company: Columbia Technologies	Operator: DJM	Date: 11/11/2012
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

(c) Copyright 2012 - All Rights Researved

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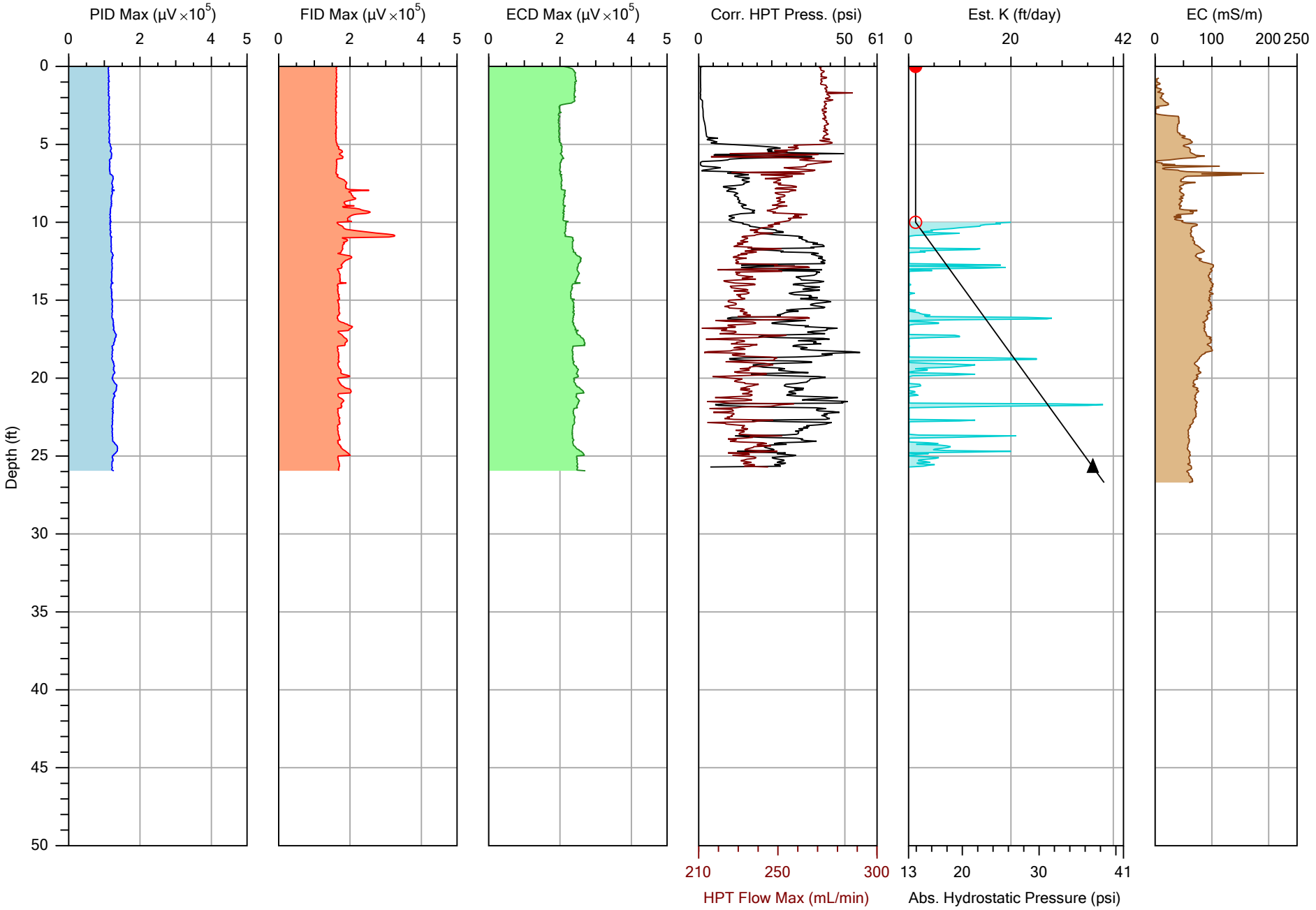
Company: Columbia Technologies	Operator: DJM	Date: 11/29/2012
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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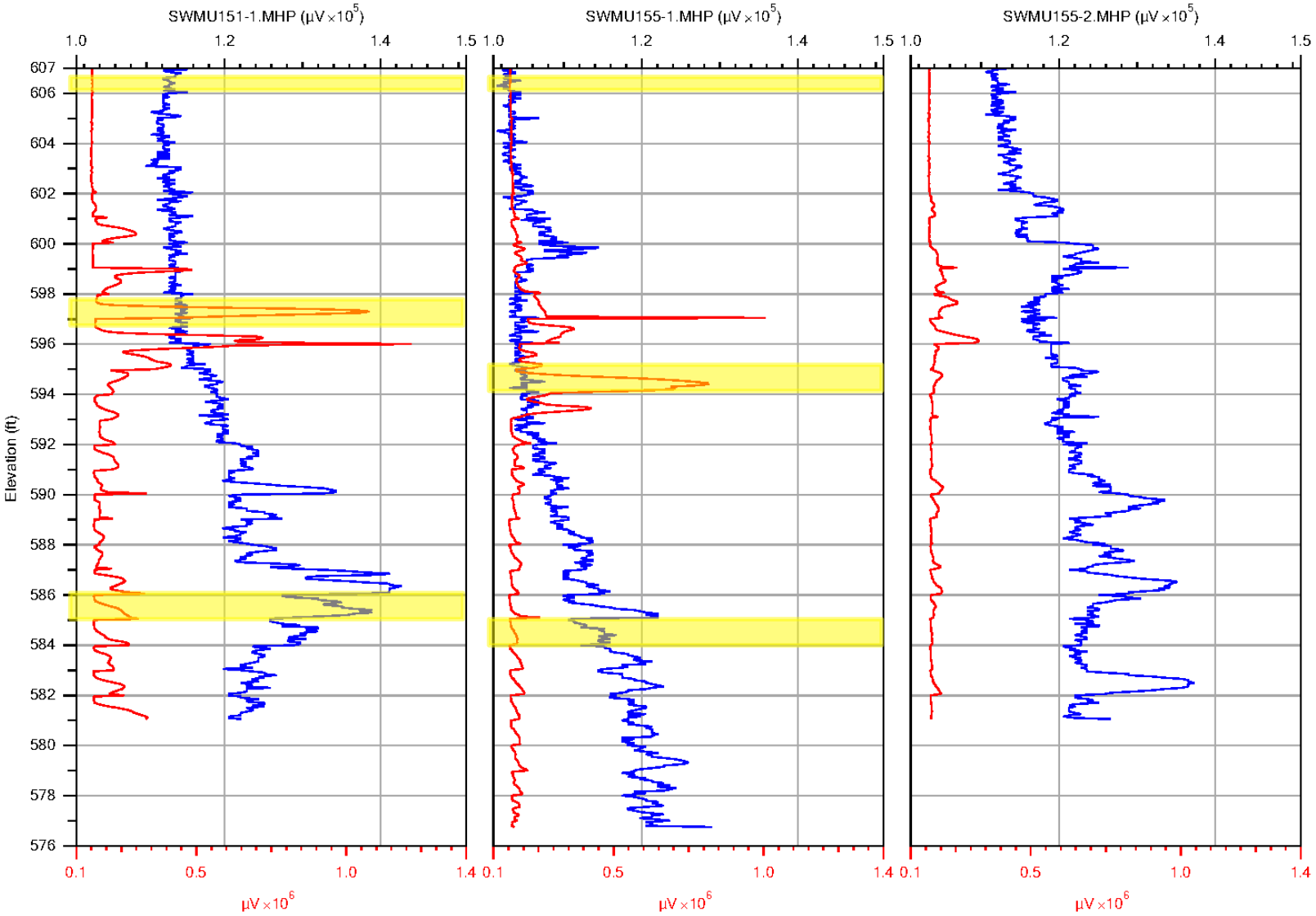
		File: SWMU155-2.MHP
Company: Columbia Technologies	Operator: DJM	Date: 11/29/2012
Project ID: Belle, WV	Client: URS	Location:

SWMU151 & SWMU155 PID/FID



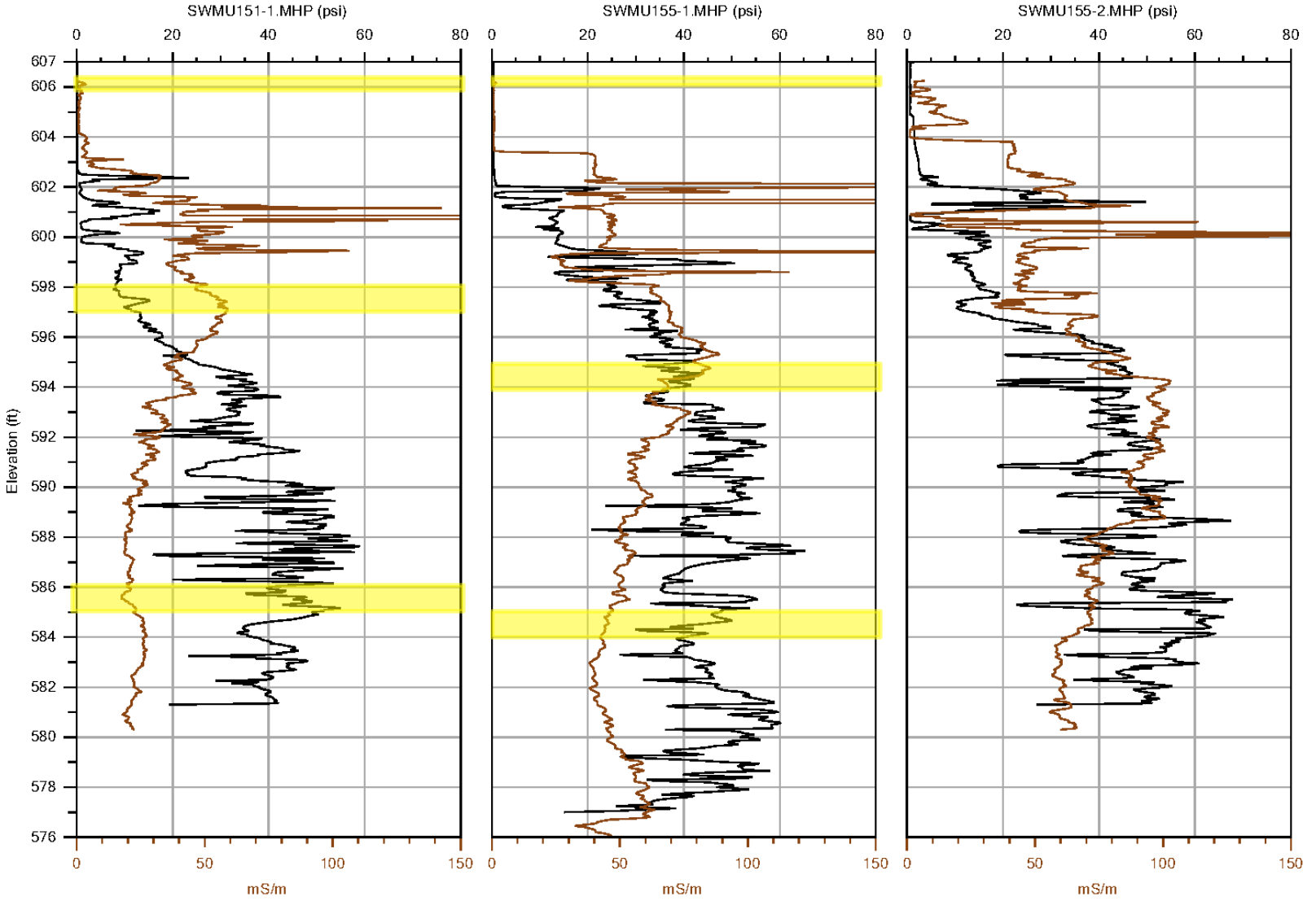
COLUMBIA TECHNOLOGIES

PID Max / FID Max

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU151-1.MHP	11/11/2012
SWMU155-1.MHP	11/29/2012
SWMU155-2.MHP	11/29/2012

SWMU151 & SWMU155 HPT/EC

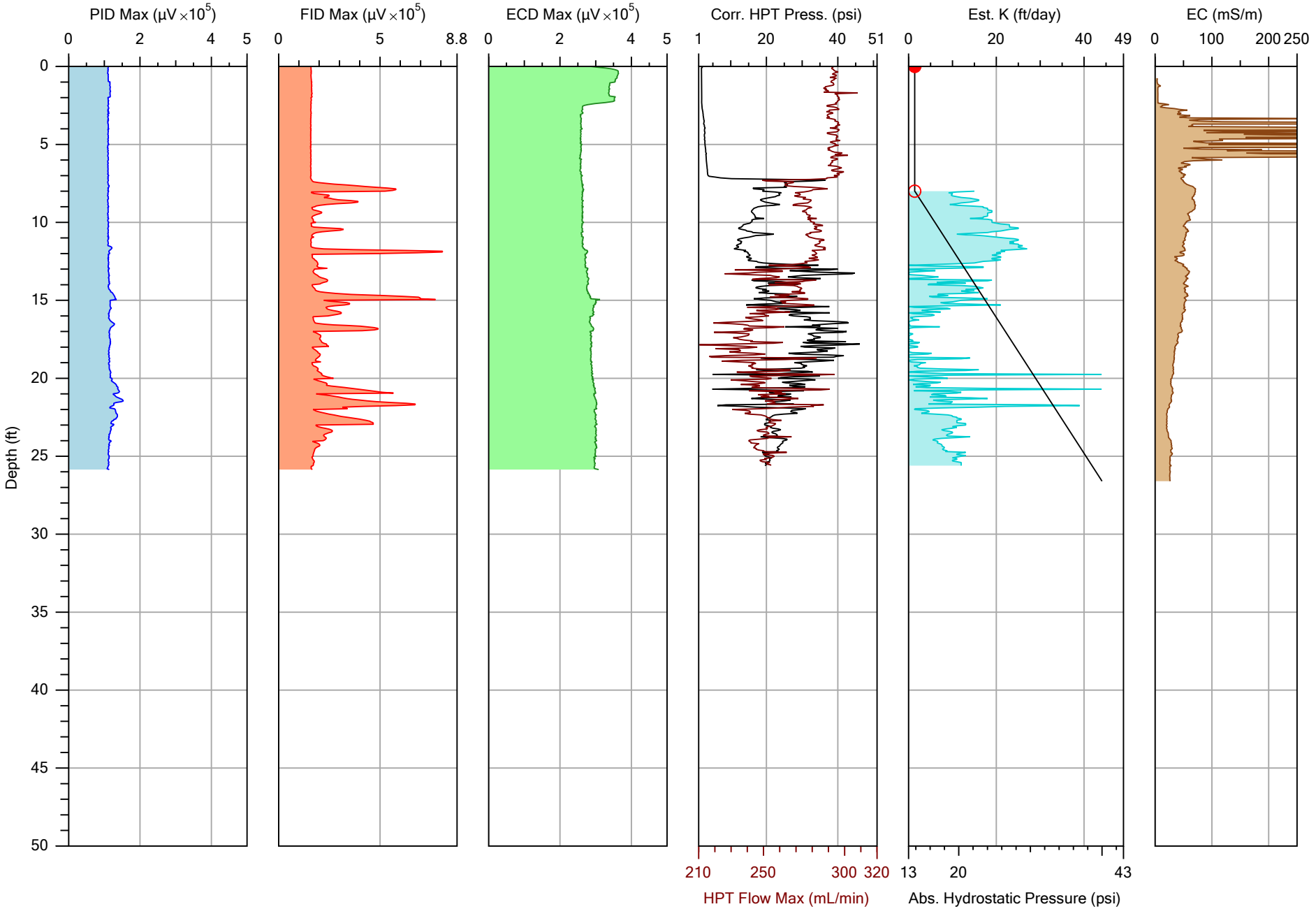


COLUMBIA TECHNOLOGIES

Corr. HPT Press. / EC

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU151-1.MHP	11/11/2012
SWMU155-1.MHP	11/29/2012
SWMU155-2.MHP	11/29/2012



COLUMBIA TECHNOLOGIES

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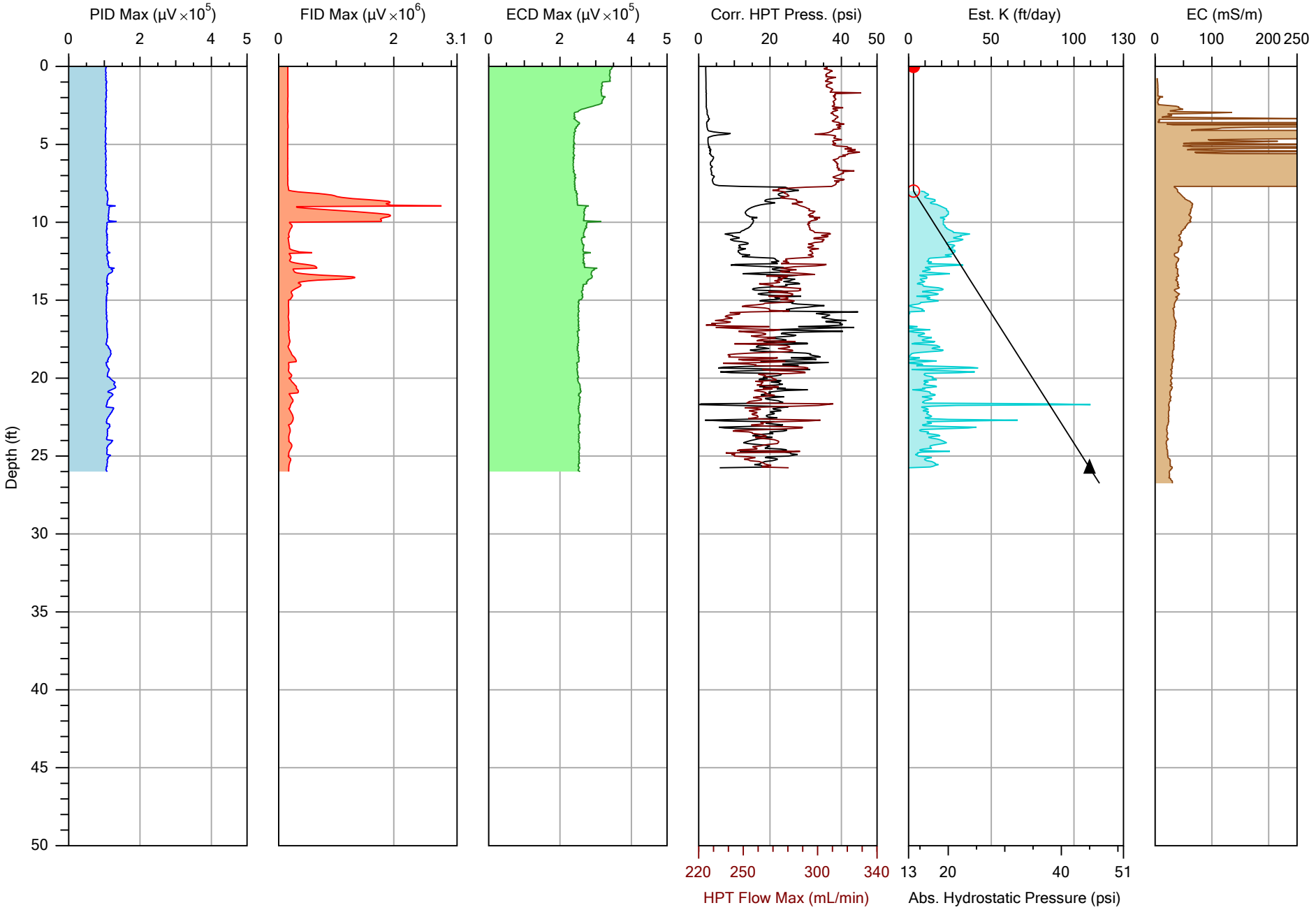
		File: SWMU191-1.MHP
Company: Columbia Technologies	Operator: DJM	Date: 11/9/2012
Project ID: Belle, WV	Client: URS	Location:



COLUMBIA TECHNOLOGIES

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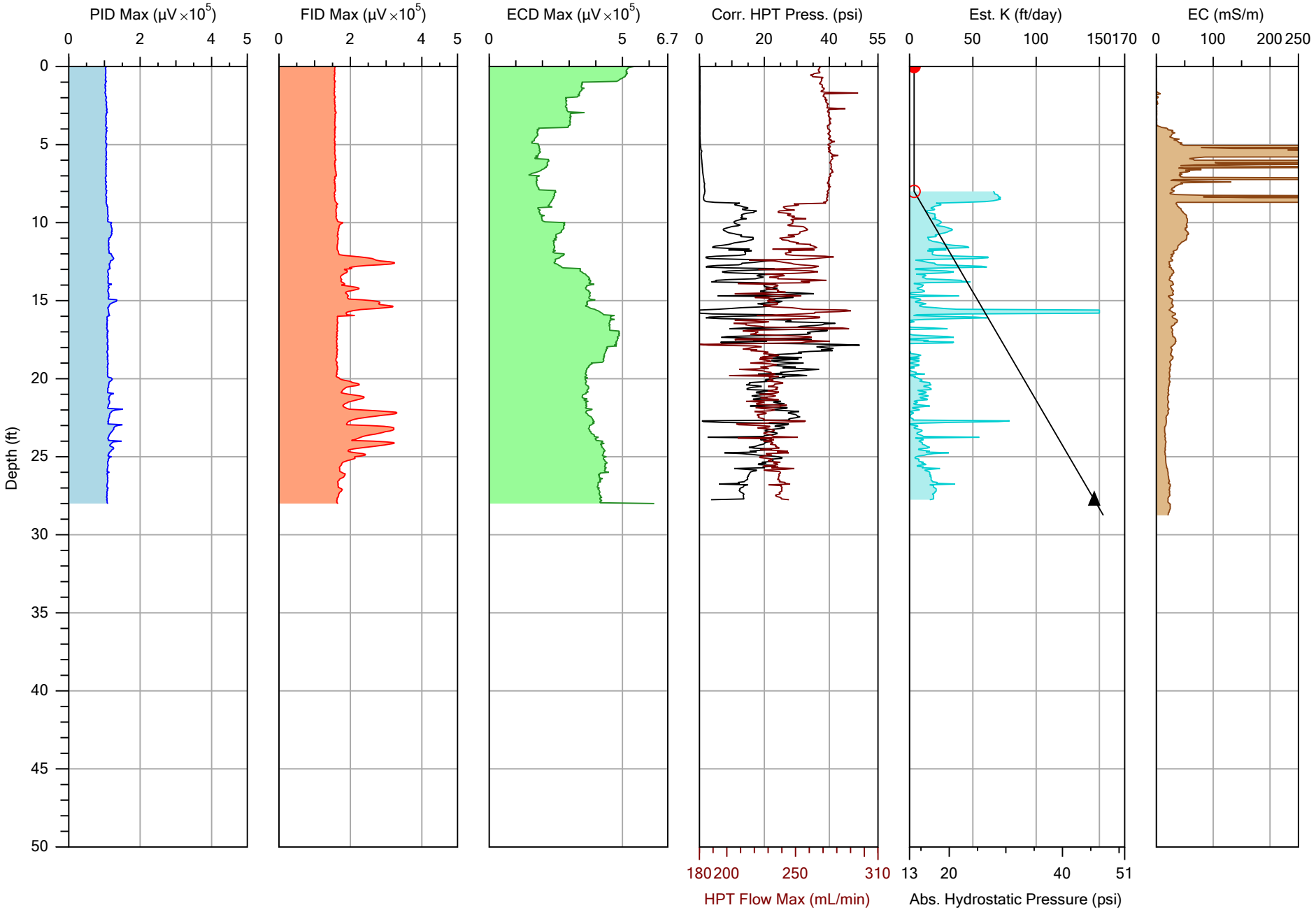
		File: SWMU191-2.MHP
Company: Columbia Technologies	Operator: DJM	Date: 11/9/2012
Project ID: Belle, WV	Client: URS	Location:



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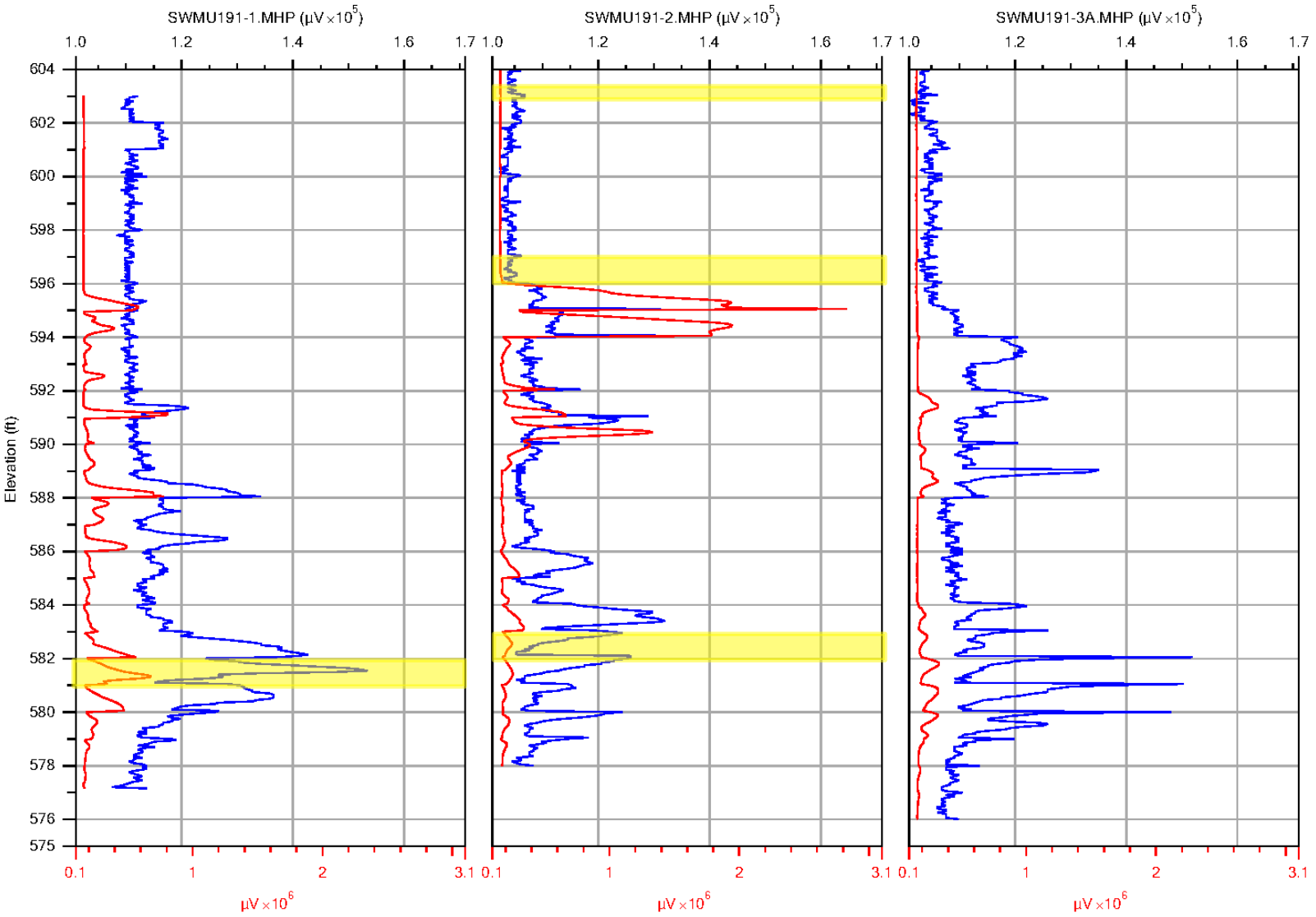
		File: SWMU191-3A.MHP
Company: Columbia Technologies	Operator: DJM	Date: 11/10/2012
Project ID: Belle, WV	Client: URS	Location:

SWMU191 PID/FID



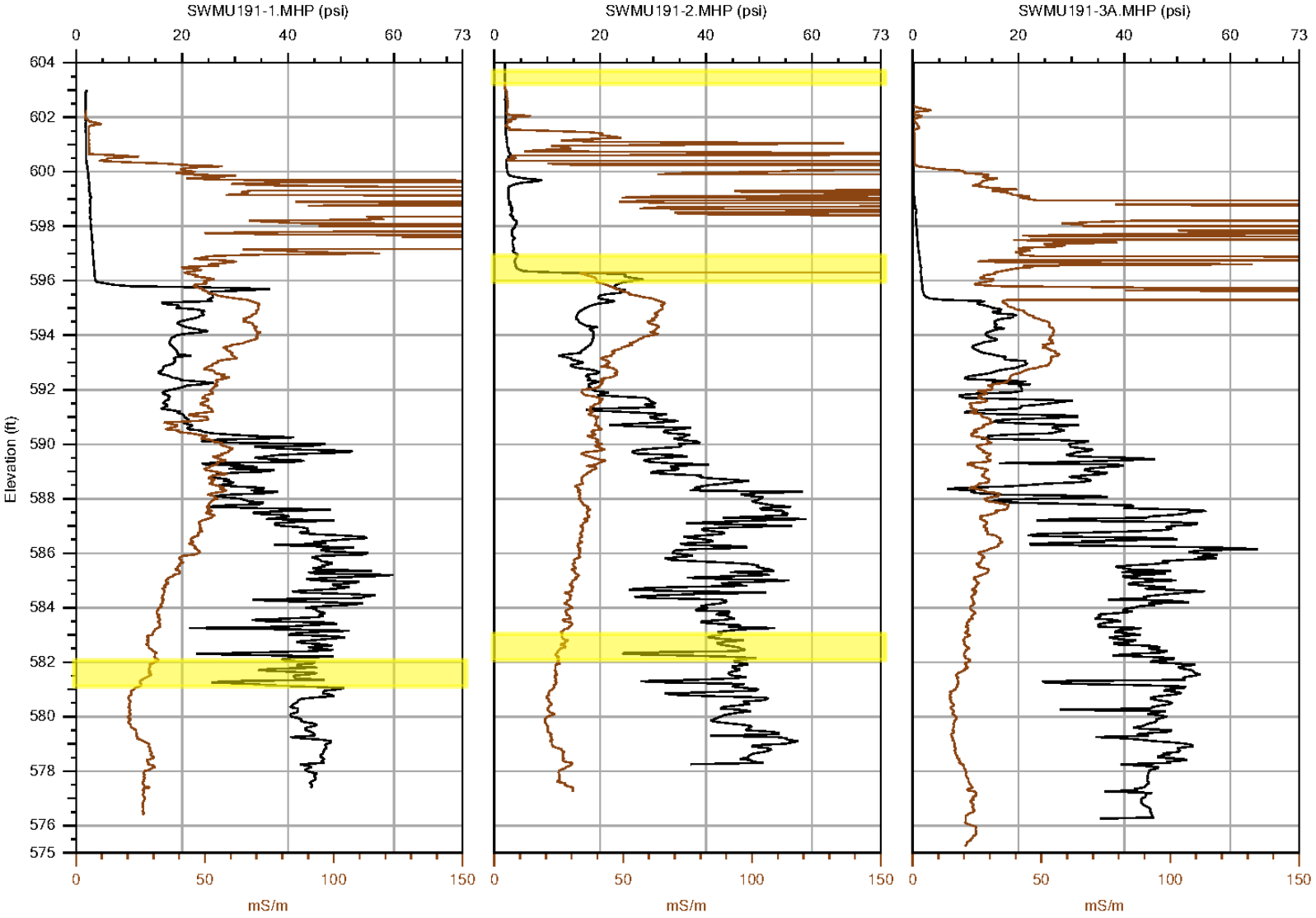
COLUMBIA TECHNOLOGIES

PID Max / FID Max

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU191-1.MHP	11/9/2012
SWMU191-2.MHP	11/9/2012
SWMU191-3A.MHP	11/10/2012

SWMU191 HPT/EC



COLUMBIA TECHNOLOGIES

Corr. HPT Press. / EC

Company: Columbia Technologies	Operator: DJM
Project ID: Belle, WV	Client: URS

SWMU191-1.MHP	11/9/2012
SWMU191-2.MHP	11/9/2012
SWMU191-3A.MHP	11/10/2012

Appendix I

ProUCL Outputs

Appendix I
ProUCL Outputs
Chemours Belle Plant Area
Belle, West Virginia

	Background Statistics for Uncensored Full Data Sets
User Selected Options	
Date/Time of Computation	11/3/2014 8:13:05 PM
From File	C:\Users\dana_mccue\Documents\URS Project Files_local\Dupont\Belle\Phase IV\historicfill(1).xls
Full Precision	OFF
Confidence Coefficient	95%
Coverage	95%
New or Future K Observations	1
Number of Bootstrap Operations	2000

ARSENIC

General Statistics

Total Number of Observations	20	Number of Distinct Observations	20
Minimum	3.8	First Quartile	4.258
Second Largest	18.9	Median	6.5
Maximum	23.1	Third Quartile	7.958
Mean	7.608	SD	5.014
Coefficient of Variation	0.659	Skewness	2.254
Mean of logged Data	1.888	SD of logged Data	0.502

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test

Shapiro Wilk Test Statistic	0.705	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.905	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.245	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.198	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with 95% Coverage	19.62	90% Percentile (z)	14.03
95% UPL (t)	16.49	95% Percentile (z)	15.85
95% USL	20.43	99% Percentile (z)	19.27

Gamma GOF Test

A-D Test Statistic	1.091	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.746	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.175	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.195	Detected data appear Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics

Appendix I
ProUCL Outputs
Chemours Belle Plant Area
Belle, West Virginia

k hat (MLE)	3.713	k star (bias corrected MLE)	3.189
Theta hat (MLE)	2.049	Theta star (bias corrected MLE)	2.385
nu hat (MLE)	148.5	nu star (bias corrected)	127.6
MLE Mean (bias corrected)	7.608	MLE Sd (bias corrected)	4.26
Background Statistics Assuming Gamma Distribution			
95% Wilson Hilferty (WH) Approx. Gamma UPL	16.01	90% Percentile	13.32
95% Hawkins Wixley (HW) Approx. Gamma UPL	16	95% Percentile	15.69
95% WH Approx. Gamma UTL with 95% Coverage	20.52	99% Percentile	20.81
95% HW Approx. Gamma UTL with 95% Coverage	20.78		
95% WH USL	21.8	95% HW USL	22.17
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.882	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.135	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Lognormal at 5% Significance Level	
Data appear Approximate Lognormal at 5% Significance Level			
Background Statistics assuming Lognormal Distribution			
95% UTL with 95% Coverage	21.98	90% Percentile (z)	12.57
95% UPL (t)	16.07	95% Percentile (z)	15.08
95% USL	23.82	99% Percentile (z)	21.23
Nonparametric Distribution Free Background Statistics			
Data appear Approximate Gamma Distribution at 5% Significance Level			
Nonparametric Upper Limits for Background Threshold Values			
Order of Statistic, r	20	95% UTL with 95% Coverage	23.1
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% Percentile Bootstrap UTL with 95% Coverage	23.1	95% BCA Bootstrap UTL with 95% Coverage	23.1
95% UPL	22.89	90% Percentile	11.07
90% Chebyshev UPL	23.02	95% Percentile	19.11
95% Chebyshev UPL	30	99% Percentile	22.3
95% USL	23.1		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
BARIUM			
General Statistics			

Appendix I
ProUCL Outputs
Chemours Belle Plant Area
Belle, West Virginia

Total Number of Observations	20	Number of Distinct Observations	18
Minimum	11.3	First Quartile	65.73
Second Largest	185	Median	122.5
Maximum	240	Third Quartile	152
Mean	114.1	SD	61.67
Coefficient of Variation	0.541	Skewness	0.0618
Mean of logged Data	4.523	SD of logged Data	0.777
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test			
Shapiro Wilk Test Statistic	0.97	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.126	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Normal at 5% Significance Level	
Data appear Normal at 5% Significance Level			
Background Statistics Assuming Normal Distribution			
95% UTL with 95% Coverage	261.8	90% Percentile (z)	193.1
95% UPL (t)	223.3	95% Percentile (z)	215.5
95% USL	271.7	99% Percentile (z)	257.5
Gamma GOF Test			
A-D Test Statistic	0.572	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.75	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.205	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.196	Data Not Gamma Distributed at 5% Significance Level	
Detected data follow Appr. Gamma Distribution at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	2.49	k star (bias corrected MLE)	2.15
Theta hat (MLE)	45.81	Theta star (bias corrected MLE)	53.05
nu hat (MLE)	99.59	nu star (bias corrected)	85.99
MLE Mean (bias corrected)	114.1	MLE Sd (bias corrected)	77.79
Background Statistics Assuming Gamma Distribution			
95% Wilson Hilferty (WH) Approx. Gamma UPL	274.2	90% Percentile	218.1
95% Hawkins Wixley (HW) Approx. Gamma UPL	288.6	95% Percentile	264.5
95% WH Approx. Gamma UTL with 95% Coverage	365.2	99% Percentile	366.8
95% HW Approx. Gamma UTL with 95% Coverage	397.2		
95% WH USL	391.5	95% HW USL	429.5
Lognormal GOF Test			

Appendix I
ProUCL Outputs
Chemours Belle Plant Area
Belle, West Virginia

Shapiro Wilk Test Statistic	0.878	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.225	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Background Statistics assuming Lognormal Distribution			
95% UTL with 95% Coverage	593	90% Percentile (z)	249.3
95% UPL (t)	365	95% Percentile (z)	330.7
95% USL	671.8	99% Percentile (z)	561.7
Nonparametric Distribution Free Background Statistics			
Data appear Normal at 5% Significance Level			
Nonparametric Upper Limits for Background Threshold Values			
Order of Statistic, r	20	95% UTL with 95% Coverage	240
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% Percentile Bootstrap UTL with 95% Coverage	240	95% BCA Bootstrap UTL with 95% Coverage	240
95% UPL	237.3	90% Percentile	185
90% Chebyshev UPL	303.6	95% Percentile	187.8
95% Chebyshev UPL	389.5	99% Percentile	229.6
95% USL	240		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
BERYLLIUM			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	19
Minimum	0.137	First Quartile	0.451
Second Largest	1.7	Median	1.003
Maximum	1.95	Third Quartile	1.268
Mean	0.908	SD	0.552
Coefficient of Variation	0.608	Skewness	0.219
Mean of logged Data	-0.335	SD of logged Data	0.778
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test			
Shapiro Wilk Test Statistic	0.938	**Shapiro Wilk GOF Test**	

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5% Shapiro Wilk Critical Value	0.905	Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.172	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Normal at 5% Significance Level	
Data appear Normal at 5% Significance Level			
Background Statistics Assuming Normal Distribution			
95% UTL with 95% Coverage	2.231	90% Percentile (z)	1.616
95% UPL (t)	1.886	95% Percentile (z)	1.816
95% USL	2.319	99% Percentile (z)	2.192
Gamma GOF Test			
A-D Test Statistic	0.536	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.751	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.198	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.196	Data Not Gamma Distributed at 5% Significance Level	
Detected data follow Appr. Gamma Distribution at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	2.249	k star (bias corrected MLE)	1.945
Theta hat (MLE)	0.404	Theta star (bias corrected MLE)	0.467
nu hat (MLE)	89.96	nu star (bias corrected)	77.8
MLE Mean (bias corrected)	0.908	MLE Sd (bias corrected)	0.651
Background Statistics Assuming Gamma Distribution			
95% Wilson Hilferty (WH) Approx. Gamma UPL	2.263	90% Percentile	1.778
95% Hawkins Wixley (HW) Approx. Gamma UPL	2.361	95% Percentile	2.174
95% WH Approx. Gamma UTL with 95% Coverage	3.052	99% Percentile	3.052
95% HW Approx. Gamma UTL with 95% Coverage	3.288		
95% WH USL	3.281	95% HW USL	3.565
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.919	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.21	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data Not Lognormal at 5% Significance Level	
Data appear Approximate Lognormal at 5% Significance Level			
Background Statistics assuming Lognormal Distribution			
95% UTL with 95% Coverage	4.615	90% Percentile (z)	1.939
95% UPL (t)	2.84	95% Percentile (z)	2.573
95% USL	5.23	99% Percentile (z)	4.372
Nonparametric Distribution Free Background Statistics			
Data appear Normal at 5% Significance Level			

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Nonparametric Upper Limits for Background Threshold Values			
Order of Statistic, r	20	95% UTL with 95% Coverage	1.95
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% Percentile Bootstrap UTL with 95% Coverage	1.95	95% BCA Bootstrap UTL with 95% Coverage	1.95
95% UPL	1.938	90% Percentile	1.646
90% Chebyshev UPL	2.605	95% Percentile	1.713
95% Chebyshev UPL	3.373	99% Percentile	1.903
95% USL	1.95		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

CHROMIUM

General Statistics

Total Number of Observations	20	Number of Distinct Observations	20
Minimum	2.34	First Quartile	6
Second Largest	32.9	Median	17.5
Maximum	47.6	Third Quartile	21.1
Mean	16.08	SD	11.64
Coefficient of Variation	0.724	Skewness	0.981
Mean of logged Data	2.475	SD of logged Data	0.863

Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test		
Shapiro Wilk Test Statistic	0.895	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.905	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.174	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.198	Data appear Normal at 5% Significance Level

Data appear Approximate Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution			
95% UTL with 95% Coverage	43.97	90% Percentile (z)	31
95% UPL (t)	36.7	95% Percentile (z)	35.23
95% USL	45.84	99% Percentile (z)	43.16

Gamma GOF Test		
A-D Test Statistic	0.702	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.755	Detected data appear Gamma Distributed at 5% Significance Level

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K-S Test Statistic	0.218	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.197	Data Not Gamma Distributed at 5% Significance Level	
Detected data follow Appr. Gamma Distribution at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	1.799	k star (bias corrected MLE)	1.563
Theta hat (MLE)	8.938	Theta star (bias corrected MLE)	10.29
nu hat (MLE)	71.96	nu star (bias corrected)	62.5
MLE Mean (bias corrected)	16.08	MLE Sd (bias corrected)	12.86
Background Statistics Assuming Gamma Distribution			
95% Wilson Hilferty (WH) Approx. Gamma UPL	43.16	90% Percentile	33.18
95% Hawkins Wixley (HW) Approx. Gamma UPL	45.08	95% Percentile	41.32
95% WH Approx. Gamma UTL with 95% Coverage	59.73	99% Percentile	59.66
95% HW Approx. Gamma UTL with 95% Coverage	64.66		
95% WH USL	64.58	95% HW USL	70.6
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.916	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.253	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data Not Lognormal at 5% Significance Level	
Data appear Approximate Lognormal at 5% Significance Level			
Background Statistics assuming Lognormal Distribution			
95% UTL with 95% Coverage	93.98	90% Percentile (z)	35.91
95% UPL (t)	54.83	95% Percentile (z)	49.14
95% USL	108	99% Percentile (z)	88.5
Nonparametric Distribution Free Background Statistics			
Data appear Approximate Normal at 5% Significance Level			
Nonparametric Upper Limits for Background Threshold Values			
Order of Statistic, r	20	95% UTL with 95% Coverage	47.6
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% Percentile Bootstrap UTL with 95% Coverage	47.6	95% BCA Bootstrap UTL with 95% Coverage	47.6
95% UPL	46.87	90% Percentile	28.13
90% Chebyshev UPL	51.86	95% Percentile	33.64
95% Chebyshev UPL	68.07	99% Percentile	44.81
95% USL	47.6		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			

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represents a background data set and when many onsite observations need to be compared with the BTV.

COBALT

General Statistics

Total Number of Observations	20	Number of Distinct Observations	20
Minimum	1.54	First Quartile	2.39
Second Largest	13.3	Median	6.105
Maximum	13.6	Third Quartile	9.08
Mean	6.287	SD	4.299
Coefficient of Variation	0.684	Skewness	0.421
Mean of logged Data	1.569	SD of logged Data	0.791

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test

Shapiro Wilk Test Statistic	0.874	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.905	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.219	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.198	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with 95% Coverage	16.59	90% Percentile (z)	11.8
95% UPL (t)	13.9	95% Percentile (z)	13.36
95% USL	17.28	99% Percentile (z)	16.29

Gamma GOF Test

A-D Test Statistic	0.908	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.752	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.188	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.196	Detected data appear Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics

k hat (MLE)	2.004	k star (bias corrected MLE)	1.737
Theta hat (MLE)	3.137	Theta star (bias corrected MLE)	3.62
nu hat (MLE)	80.17	nu star (bias corrected)	69.48
MLE Mean (bias corrected)	6.287	MLE Sd (bias corrected)	4.77

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL	16.28	90% Percentile	12.64
95% Hawkins Wixley (HW) Approx. Gamma UPL	16.86	95% Percentile	15.6

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95% WH Approx. Gamma UTL with 95% Coverage	22.27	99% Percentile	22.22
95% HW Approx. Gamma UTL with 95% Coverage	23.81		
95% WH USL	24.01	95% HW USL	25.9

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.883	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.192	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Lognormal at 5% Significance Level	

Data appear Approximate Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with 95% Coverage	31.92	90% Percentile (z)	13.22
95% UPL (t)	19.49	95% Percentile (z)	17.62
95% USL	36.24	99% Percentile (z)	30.21

Nonparametric Distribution Free Background Statistics

Data appear Approximate Gamma Distribution at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	20	95% UTL with 95% Coverage	13.6
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% Percentile Bootstrap UTL with 95% Coverage	13.6	95% BCA Bootstrap UTL with 95% Coverage	13.6
95% UPL	13.59	90% Percentile	12.76
90% Chebyshev UPL	19.5	95% Percentile	13.32
95% Chebyshev UPL	25.49	99% Percentile	13.54
95% USL	13.6		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

COPPER

General Statistics

Total Number of Observations	20	Number of Distinct Observations	19
Minimum	5.45	First Quartile	13.68
Second Largest	63.7	Median	15.9
Maximum	77.2	Third Quartile	23.88
Mean	24.1	SD	18.77
Coefficient of Variation	0.779	Skewness	1.909
Mean of logged Data	2.971	SD of logged Data	0.631

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Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test			
Shapiro Wilk Test Statistic	0.732	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.287	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Background Statistics Assuming Normal Distribution			
95% UTL with 95% Coverage	69.06	90% Percentile (z)	48.15
95% UPL (t)	57.35	95% Percentile (z)	54.97
95% USL	72.07	99% Percentile (z)	67.75
Gamma GOF Test			
A-D Test Statistic	1.229	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.75	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.201	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.196	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	2.519	k star (bias corrected MLE)	2.175
Theta hat (MLE)	9.565	Theta star (bias corrected MLE)	11.08
nu hat (MLE)	100.8	nu star (bias corrected)	86.99
MLE Mean (bias corrected)	24.1	MLE Sd (bias corrected)	16.34
Background Statistics Assuming Gamma Distribution			
95% Wilson Hilferty (WH) Approx. Gamma UPL	57.12	90% Percentile	45.96
95% Hawkins Wixley (HW) Approx. Gamma UPL	57.48	95% Percentile	55.68
95% WH Approx. Gamma UTL with 95% Coverage	76.15	99% Percentile	77.12
95% HW Approx. Gamma UTL with 95% Coverage	78.22		
95% WH USL	81.65	95% HW USL	84.37
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.917	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.163	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Lognormal at 5% Significance Level	
Data appear Lognormal at 5% Significance Level			
Background Statistics assuming Lognormal Distribution			
95% UTL with 95% Coverage	88.55	90% Percentile (z)	43.81

95% UPL (t)	59.71	95% Percentile (z)	55.11
95% USL	98	99% Percentile (z)	84.74

Nonparametric Distribution Free Background Statistics

Data appear Lognormal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	20	95% UTL with 95% Coverage	77.2
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% Percentile Bootstrap UTL with 95% Coverage	77.2	95% BCA Bootstrap UTL with 95% Coverage	77.2
95% UPL	76.53	90% Percentile	52.63
90% Chebyshev UPL	81.79	95% Percentile	64.38
95% Chebyshev UPL	107.9	99% Percentile	74.64
95% USL	77.2		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

LEAD

General Statistics

Total Number of Observations	20	Number of Distinct Observations	20
Minimum	2.67	First Quartile	15.7
Second Largest	91.6	Median	24.95
Maximum	94	Third Quartile	31.73
Mean	29.62	SD	23.93
Coefficient of Variation	0.808	Skewness	1.941
Mean of logged Data	3.105	SD of logged Data	0.824

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test

Shapiro Wilk Test Statistic	0.764	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.242	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	Data Not Normal at 5% Significance Level	

Data Not Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with 95% Coverage	86.96	90% Percentile (z)	60.29
95% UPL (t)	72.02	95% Percentile (z)	68.98

95% USL	90.8	99% Percentile (z)	85.29
Gamma GOF Test			
A-D Test Statistic	0.571	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.753	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.145	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.196	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	1.914	k star (bias corrected MLE)	1.66
Theta hat (MLE)	15.47	Theta star (bias corrected MLE)	17.84
nu hat (MLE)	76.57	nu star (bias corrected)	66.41
MLE Mean (bias corrected)	29.62	MLE Sd (bias corrected)	22.98
Background Statistics Assuming Gamma Distribution			
95% Wilson Hilferty (WH) Approx. Gamma UPL	77.02	90% Percentile	60.21
95% Hawkins Wixley (HW) Approx. Gamma UPL	79.67	95% Percentile	74.59
95% WH Approx. Gamma UTL with 95% Coverage	105.7	99% Percentile	106.9
95% HW Approx. Gamma UTL with 95% Coverage	112.9		
95% WH USL	114	95% HW USL	122.9
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.931	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.159	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Lognormal at 5% Significance Level	
Data appear Lognormal at 5% Significance Level			
Background Statistics assuming Lognormal Distribution			
95% UTL with 95% Coverage	160.5	90% Percentile (z)	64.1
95% UPL (t)	95.99	95% Percentile (z)	86.46
95% USL	183.2	99% Percentile (z)	151.6
Nonparametric Distribution Free Background Statistics			
Data appear Gamma Distributed at 5% Significance Level			
Nonparametric Upper Limits for Background Threshold Values			
Order of Statistic, r	20	95% UTL with 95% Coverage	94
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% Percentile Bootstrap UTL with 95% Coverage	94	95% BCA Bootstrap UTL with 95% Coverage	94
95% UPL	93.88	90% Percentile	46.78
90% Chebyshev UPL	103.2	95% Percentile	91.72
95% Chebyshev UPL	136.5	99% Percentile	93.54

95% USL	94		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

NICKEL

General Statistics

Total Number of Observations	20	Number of Distinct Observations	20
Minimum	5.39	First Quartile	7.028
Second Largest	23.5	Median	14.8
Maximum	25.9	Third Quartile	18.88
Mean	13.9	SD	7.02
Coefficient of Variation	0.505	Skewness	0.0924
Mean of logged Data	2.488	SD of logged Data	0.574

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test

Shapiro Wilk Test Statistic	0.888	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.905	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.205	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.198	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with 95% Coverage	30.72	90% Percentile (z)	22.9
95% UPL (t)	26.34	95% Percentile (z)	25.45
95% USL	31.85	99% Percentile (z)	30.23

Gamma GOF Test

A-D Test Statistic	1.067	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.746	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.22	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.195	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	3.634	k star (bias corrected MLE)	3.122
Theta hat (MLE)	3.826	Theta star (bias corrected MLE)	4.453
nu hat (MLE)	145.4	nu star (bias corrected)	124.9

MLE Mean (bias corrected)	13.9	MLE Sd (bias corrected)	7.868
Background Statistics Assuming Gamma Distribution			
95% Wilson Hilferty (WH) Approx. Gamma UPL	29.72	90% Percentile	24.45
95% Hawkins Wixley (HW) Approx. Gamma UPL	30.42	95% Percentile	28.84
95% WH Approx. Gamma UTL with 95% Coverage	38.19	99% Percentile	38.35
95% HW Approx. Gamma UTL with 95% Coverage	39.9		
95% WH USL	40.6	95% HW USL	42.67
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.863	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.23	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Background Statistics assuming Lognormal Distribution			
95% UTL with 95% Coverage	47.61	90% Percentile (z)	25.12
95% UPL (t)	33.28	95% Percentile (z)	30.94
95% USL	52.2	99% Percentile (z)	45.74
Nonparametric Distribution Free Background Statistics			
Data do not follow a Discernible Distribution (0.05)			
Nonparametric Upper Limits for Background Threshold Values			
Order of Statistic, r	20	95% UTL with 95% Coverage	25.9
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% Percentile Bootstrap UTL with 95% Coverage	25.9	95% BCA Bootstrap UTL with 95% Coverage	25.9
95% UPL	25.78	90% Percentile	22.24
90% Chebyshev UPL	35.48	95% Percentile	23.62
95% Chebyshev UPL	45.26	99% Percentile	25.44
95% USL	25.9		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
VANADIUM			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	18
Minimum	2.85	First Quartile	6.393
Second Largest	46.8	Median	24.65

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Maximum	75.9	Third Quartile	31.08
Mean	22.45	SD	18.75
Coefficient of Variation	0.835	Skewness	1.244
Mean of logged Data	2.728	SD of logged Data	0.958
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test			
Shapiro Wilk Test Statistic	0.862	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.184	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Normal at 5% Significance Level	
Data appear Approximate Normal at 5% Significance Level			
Background Statistics Assuming Normal Distribution			
95% UTL with 95% Coverage	67.39	90% Percentile (z)	46.49
95% UPL (t)	55.68	95% Percentile (z)	53.3
95% USL	70.4	99% Percentile (z)	66.08
Gamma GOF Test			
A-D Test Statistic	0.719	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.759	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.187	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.198	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	1.449	k star (bias corrected MLE)	1.265
Theta hat (MLE)	15.49	Theta star (bias corrected MLE)	17.75
nu hat (MLE)	57.97	nu star (bias corrected)	50.61
MLE Mean (bias corrected)	22.45	MLE Sd (bias corrected)	19.96
Background Statistics Assuming Gamma Distribution			
95% Wilson Hilferty (WH) Approx. Gamma UPL	64.94	90% Percentile	48.79
95% Hawkins Wixley (HW) Approx. Gamma UPL	67.9	95% Percentile	61.97
95% WH Approx. Gamma UTL with 95% Coverage	92.26	99% Percentile	92.07
95% HW Approx. Gamma UTL with 95% Coverage	100.5		
95% WH USL	100.3	95% HW USL	110.5
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.922	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.221	**Lilliefors Lognormal GOF Test**	

5% Lilliefors Critical Value	0.198	Data Not Lognormal at 5% Significance Level	
Data appear Approximate Lognormal at 5% Significance Level			
Background Statistics assuming Lognormal Distribution			
95% UTL with 95% Coverage	152	90% Percentile (z)	52.25
95% UPL (t)	83.58	95% Percentile (z)	74.01
95% USL	177.3	99% Percentile (z)	142.2
Nonparametric Distribution Free Background Statistics			
Data appear Approximate Normal at 5% Significance Level			
Nonparametric Upper Limits for Background Threshold Values			
Order of Statistic, r	20	95% UTL with 95% Coverage	75.9
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% Percentile Bootstrap UTL with 95% Coverage	75.9	95% BCA Bootstrap UTL with 95% Coverage	75.9
95% UPL	74.45	90% Percentile	44.01
90% Chebyshev UPL	80.11	95% Percentile	48.26
95% Chebyshev UPL	106.2	99% Percentile	70.37
95% USL	75.9		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
ZINC			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	20
Minimum	6.45	First Quartile	19.4
Second Largest	103	Median	60.95
Maximum	110	Third Quartile	75.7
Mean	52.71	SD	33.67
Coefficient of Variation	0.639	Skewness	0.0241
Mean of logged Data	3.665	SD of logged Data	0.895
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test			
Shapiro Wilk Test Statistic	0.914	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.201	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	Data Not Normal at 5% Significance Level	

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Data appear Approximate Normal at 5% Significance Level			
Background Statistics Assuming Normal Distribution			
95% UTL with 95% Coverage	133.4	90% Percentile (z)	95.86
95% UPL (t)	112.4	95% Percentile (z)	108.1
95% USL	138.8	99% Percentile (z)	131
Gamma GOF Test			
A-D Test Statistic	0.935	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.754	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.224	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.197	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	1.819	k star (bias corrected MLE)	1.58
Theta hat (MLE)	28.97	Theta star (bias corrected MLE)	33.37
nu hat (MLE)	72.77	nu star (bias corrected)	63.19
MLE Mean (bias corrected)	52.71	MLE Sd (bias corrected)	41.94
Background Statistics Assuming Gamma Distribution			
95% Wilson Hilferty (WH) Approx. Gamma UPL	141.5	90% Percentile	108.5
95% Hawkins Wixley (HW) Approx. Gamma UPL	149.4	95% Percentile	135
95% WH Approx. Gamma UTL with 95% Coverage	195.4	99% Percentile	194.6
95% HW Approx. Gamma UTL with 95% Coverage	214.5		
95% WH USL	211.2	95% HW USL	234.3
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.876	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.252	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Background Statistics assuming Lognormal Distribution			
95% UTL with 95% Coverage	333.7	90% Percentile (z)	123
95% UPL (t)	190.8	95% Percentile (z)	170.3
95% USL	385.2	99% Percentile (z)	313.5
Nonparametric Distribution Free Background Statistics			
Data appear Approximate Normal at 5% Significance Level			
Nonparametric Upper Limits for Background Threshold Values			
Order of Statistic, r	20	95% UTL with 95% Coverage	110

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Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% Percentile Bootstrap UTL with 95% Coverage	110	95% BCA Bootstrap UTL with 95% Coverage	110
95% UPL	109.7	90% Percentile	92.29
90% Chebyshev UPL	156.2	95% Percentile	103.4
95% Chebyshev UPL	203.1	99% Percentile	108.7
95% USL	110		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations.

The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

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	Background Statistics for Data Sets with Non-Detects
User Selected Options	
Date/Time of Computation	11/3/2014 8:12:23 PM
From File	historicfill(1).xls
Full Precision	OFF
Confidence Coefficient	95%
Coverage	95%
Different or Future K Observations	1
Number of Bootstrap Operations	2000

2methyl

General Statistics

Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	15		
Number of Detects	16	Number of Non-Detects	4
Number of Distinct Detects	13	Number of Distinct Non-Detects	2
Minimum Detect	5	Minimum Non-Detect	3
Maximum Detect	470	Maximum Non-Detect	4
Variance Detected	16566	Percent Non-Detects	20%
Mean Detected	81.19	SD Detected	128.7
Mean of Detected Logged Data	3.43	SD of Detected Logged Data	1.452

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.632	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.887	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.291	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.222	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Kaplan Meier (KM) Background Statistics Assuming Normal Distribution

Mean	65.55	SD	115.8
95% UTL95% Coverage	342.9	95% KM UPL (t)	270.7
90% KM Percentile (z)	213.9	95% KM Percentile (z)	256
99% KM Percentile (z)	334.9	95% KM USL	361.5

DL/2 Substitution Background Statistics Assuming Normal Distribution

Mean	65.33	SD	118.9
95% UTL95% Coverage	350.2	95% UPL (t)	276
90% Percentile (z)	217.7	95% Percentile (z)	260.9
99% Percentile (z)	341.9	95% USL	369.3

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DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.656	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.785	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.151	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.225	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.634	k star (bias corrected MLE)	0.557
Theta hat (MLE)	128	Theta star (bias corrected MLE)	145.8
nu hat (MLE)	20.29	nu star (bias corrected)	17.82
MLE Mean (bias corrected)	81.19		
MLE Sd (bias corrected)	108.8	95% Percentile of Chisquare (2k)	4.117

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	64.95
Maximum	470	Median	18.5
SD	119.1	CV	1.834
k hat (MLE)	0.294	k star (bias corrected MLE)	0.283
Theta hat (MLE)	220.7	Theta star (bias corrected MLE)	229.1
nu hat (MLE)	11.77	nu star (bias corrected)	11.34
MLE Mean (bias corrected)	64.95	MLE Sd (bias corrected)	122
95% Percentile of Chisquare (2k)	2.641	90% Percentile	192.8
95% Percentile	302.5	99% Percentile	589.7

The following statistics are computed using Gamma ROS Statistics on Imputed Data

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	489.9	645	95% Approx. Gamma UPL	284	331.4
95% Gamma USL	555.5	752.9			

The following statistics are computed using gamma distribution and KM estimates

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

	k hat (KM)	0.321		nu hat (KM)	12.82
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	395.4	433.7	95% Approx. Gamma UPL	242.4	247.6
95% Gamma USL	443.1	495.1			

Lognormal GOF Test on Detected Observations Only

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Shapiro Wilk Test Statistic	0.938	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.887	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.136	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.222	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			
Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects			
Mean in Original Scale	65.17	Mean in Log Scale	2.745
SD in Original Scale	119	SD in Log Scale	1.919
95% UTL95% Coverage	1547	95% BCA UTL95% Coverage	470
95% Bootstrap (%) UTL95% Coverage	470	95% UPL (t)	466.9
90% Percentile (z)	182.2	95% Percentile (z)	365.9
99% Percentile (z)	1353	95% USL	2105
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean of Logged Data	2.964	95% KM UTL (Lognormal)95% Coverage	825
KM SD of Logged Data	1.566	95% KM UPL (Lognormal)	310.5
95% KM Percentile Lognormal (z)	254.5	95% KM USL (Lognormal)	1061
Background DL/2 Statistics Assuming Lognormal Distribution			
Mean in Original Scale	65.33	Mean in Log Scale	2.868
SD in Original Scale	118.9	SD in Log Scale	1.731
95% UTL95% Coverage	1115	95% UPL (t)	378.4
90% Percentile (z)	161.9	95% Percentile (z)	303.7
99% Percentile (z)	988.2	95% USL	1472
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.			
Nonparametric Distribution Free Background Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	470
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	462	95% USL	470
95% KM Chebyshev UPL	582.6		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
ACENAPHTHENE			
General Statistics			

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Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	4		
Number of Detects	6	Number of Non-Detects	14
Number of Distinct Detects	2	Number of Distinct Non-Detects	3
Minimum Detect	4	Minimum Non-Detect	3
Maximum Detect	34	Maximum Non-Detect	18
Variance Detected	150	Percent Non-Detects	70%
Mean Detected	9	SD Detected	12.25
Mean of Detected Logged Data	1.743	SD of Detected Logged Data	0.874
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.496	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.788	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.492	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.362	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	4.829	SD	6.707
95% UTL95% Coverage	20.9	95% KM UPL (t)	16.71
90% KM Percentile (z)	13.42	95% KM Percentile (z)	15.86
99% KM Percentile (z)	20.43	95% KM USL	21.98
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	4.775	SD	7.212
95% UTL95% Coverage	22.05	95% UPL (t)	17.55
90% Percentile (z)	14.02	95% Percentile (z)	16.64
99% Percentile (z)	21.55	95% USL	23.21
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	1.74	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.712	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.517	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.339	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	1.241	k star (bias corrected MLE)	0.732
Theta hat (MLE)	7.253	Theta star (bias corrected MLE)	12.3
nu hat (MLE)	14.89	nu star (bias corrected)	8.779

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MLE Mean (bias corrected)	9		
MLE Sd (bias corrected)	10.52	95% Percentile of Chisquare (2k)	4.901

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	2.707
Maximum	34	Median	0.01
SD	7.572	CV	2.797
k hat (MLE)	0.199	k star (bias corrected MLE)	0.203
Theta hat (MLE)	13.59	Theta star (bias corrected MLE)	13.36
nu hat (MLE)	7.968	nu star (bias corrected)	8.106
MLE Mean (bias corrected)	2.707	MLE Sd (bias corrected)	6.013
95% Percentile of Chisquare (2k)	2.081	90% Percentile	8.188
95% Percentile	13.9	99% Percentile	29.59

The following statistics are computed using Gamma ROS Statistics on Imputed Data

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	20.62	23.69	95% Approx. Gamma UPL	10.83	10.8
95% Gamma USL	23.85	28.35			

The following statistics are computed using gamma distribution and KM estimates

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

k hat (KM)	0.518		nu hat (KM)	20.74	
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	15.66	14.96	95% Approx. Gamma UPL	11.54	10.94
95% Gamma USL	16.86	16.16			

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.496	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.788	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.492	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.362	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects

Mean in Original Scale	3.247	Mean in Log Scale	0.15
SD in Original Scale	7.391	SD in Log Scale	1.355
95% UTL95% Coverage	29.86	95% BCA UTL95% Coverage	34
95% Bootstrap (%) UTL95% Coverage	34	95% UPL (t)	12.82
90% Percentile (z)	6.596	95% Percentile (z)	10.79
99% Percentile (z)	27.17	95% USL	37.12

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Background DL/2 Statistics Assuming Lognormal Distribution			
Mean in Original Scale	4.775	Mean in Log Scale	1.144
SD in Original Scale	7.212	SD in Log Scale	0.76
95% UTL95% Coverage	19.39	95% UPL (t)	12.07
90% Percentile (z)	8.313	95% Percentile (z)	10.96
99% Percentile (z)	18.39	95% USL	21.9

DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.

Nonparametric Distribution Free Background Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)

Order of Statistic, r	20	95% UTL with95% Coverage	34
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	33.2	95% USL	34
95% KM Chebyshev UPL	34.79		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

ACENAPHTHYLENE

General Statistics

Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	11		
Number of Detects	10	Number of Non-Detects	10
Number of Distinct Detects	10	Number of Distinct Non-Detects	1
Minimum Detect	6	Minimum Non-Detect	4
Maximum Detect	310	Maximum Non-Detect	4
Variance Detected	8677	Percent Non-Detects	50%
Mean Detected	54.2	SD Detected	93.15
Mean of Detected Logged Data	3.16	SD of Detected Logged Data	1.238

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.567	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.842	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.369	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.28	Data Not Normal at 5% Significance Level	

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Data Not Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	29.1	SD	67.34
95% UTL95% Coverage	190.4	95% KM UPL (t)	148.4
90% KM Percentile (z)	115.4	95% KM Percentile (z)	139.9
99% KM Percentile (z)	185.8	95% KM USL	201.3
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	28.1	SD	69.48
95% UTL95% Coverage	194.6	95% UPL (t)	151.2
90% Percentile (z)	117.1	95% Percentile (z)	142.4
99% Percentile (z)	189.7	95% USL	205.7
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.782	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.759	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.252	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.277	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data follow Appr. Gamma Distribution at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.723	k star (bias corrected MLE)	0.573
Theta hat (MLE)	75	Theta star (bias corrected MLE)	94.67
nu hat (MLE)	14.45	nu star (bias corrected)	11.45
MLE Mean (bias corrected)	54.2		
MLE Sd (bias corrected)	71.63	95% Percentile of Chisquare (2k)	4.19
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	27.11
Maximum	310	Median	3.005
SD	69.88	CV	2.578
k hat (MLE)	0.185	k star (bias corrected MLE)	0.191
Theta hat (MLE)	146.4	Theta star (bias corrected MLE)	142.1
nu hat (MLE)	7.406	nu star (bias corrected)	7.629
MLE Mean (bias corrected)	27.11	MLE Sd (bias corrected)	62.07
95% Percentile of Chisquare (2k)	1.989	90% Percentile	81.92
95% Percentile	141.4	99% Percentile	306.3
The following statistics are computed using Gamma ROS Statistics on Imputed Data			

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Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods					
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	218.8	282.7	95% Approx. Gamma UPL	117	129.6
95% Gamma USL	252.2	337.9			

The following statistics are computed using gamma distribution and KM estimates					
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods					
k hat (KM)	0.187		nu hat (KM)	7.47	
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	157.8	158.1	95% Approx. Gamma UPL	97.95	93.18
95% Gamma USL	176.4	179.2			

Lognormal GOF Test on Detected Observations Only		
Shapiro Wilk Test Statistic	0.919	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.842	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.15	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.28	Detected Data appear Lognormal at 5% Significance Level
Detected Data appear Lognormal at 5% Significance Level		

Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects			
Mean in Original Scale	27.61	Mean in Log Scale	1.333
SD in Original Scale	69.67	SD in Log Scale	2.225
95% UTL95% Coverage	783.5	95% BCA UTL95% Coverage	310
95% Bootstrap (%) UTL95% Coverage	310	95% UPL (t)	195.4
90% Percentile (z)	65.65	95% Percentile (z)	147.3
99% Percentile (z)	671	95% USL	1120

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean of Logged Data	2.273	95% KM UTL (Lognormal)95% Coverage	178.5
KM SD of Logged Data	1.215	95% KM UPL (Lognormal)	83.59
95% KM Percentile Lognormal (z)	71.64	95% KM USL (Lognormal)	216.9

Background DL/2 Statistics Assuming Lognormal Distribution			
Mean in Original Scale	28.1	Mean in Log Scale	1.927
SD in Original Scale	69.48	SD in Log Scale	1.526
95% UTL95% Coverage	265.6	95% UPL (t)	102.5
90% Percentile (z)	48.51	95% Percentile (z)	84.44
99% Percentile (z)	238.8	95% USL	339.3
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.			

Nonparametric Distribution Free Background Statistics
Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)

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Order of Statistic, r	20	95% UTL with95% Coverage	310
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	298.9	95% USL	310
95% KM Chebyshev UPL	329.9		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

ANTHRACENE

General Statistics

Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	10		
Number of Detects	9	Number of Non-Detects	11
Number of Distinct Detects	9	Number of Distinct Non-Detects	2
Minimum Detect	4	Minimum Non-Detect	3
Maximum Detect	440	Maximum Non-Detect	4
Variance Detected	20025	Percent Non-Detects	55%
Mean Detected	64.78	SD Detected	141.5
Mean of Detected Logged Data	2.892	SD of Detected Logged Data	1.494

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.48	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.829	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.447	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.295	Data Not Normal at 5% Significance Level	

Data Not Normal at 5% Significance Level

Kaplan Meier (KM) Background Statistics Assuming Normal Distribution

Mean	30.8	SD	94.63
95% UTL95% Coverage	257.5	95% KM UPL (t)	198.5
90% KM Percentile (z)	152.1	95% KM Percentile (z)	186.4
99% KM Percentile (z)	250.9	95% KM USL	272.7

DL/2 Substitution Background Statistics Assuming Normal Distribution

Mean	30.23	SD	97.26
95% UTL95% Coverage	263.3	95% UPL (t)	202.6
90% Percentile (z)	154.9	95% Percentile (z)	190.2
99% Percentile (z)	256.5	95% USL	278.9

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DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	1.059	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.771	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.298	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.294	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.497	k star (bias corrected MLE)	0.406
Theta hat (MLE)	130.3	Theta star (bias corrected MLE)	159.7
nu hat (MLE)	8.949	nu star (bias corrected)	7.299
MLE Mean (bias corrected)	64.78		
MLE Sd (bias corrected)	101.7	95% Percentile of Chisquare (2k)	3.354

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	29.16
Maximum	440	Median	0.01
SD	97.59	CV	3.347
k hat (MLE)	0.165	k star (bias corrected MLE)	0.173
Theta hat (MLE)	177.1	Theta star (bias corrected MLE)	168.2
nu hat (MLE)	6.586	nu star (bias corrected)	6.932
MLE Mean (bias corrected)	29.16	MLE Sd (bias corrected)	70.04
95% Percentile of Chisquare (2k)	1.85	90% Percentile	87.73
95% Percentile	155.6	99% Percentile	347.2

The following statistics are computed using Gamma ROS Statistics on Imputed Data

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	208.7	243	95% Approx. Gamma UPL	108.3	108
95% Gamma USL	241.9	292.3			

The following statistics are computed using gamma distribution and KM estimates

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

	k hat (KM)	0.106		nu hat (KM)	4.238
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	168.7	160.3	95% Approx. Gamma UPL	100	89.83
95% Gamma USL	190.3	183.7			

Lognormal GOF Test on Detected Observations Only

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Shapiro Wilk Test Statistic	0.873	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.829	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.209	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.295	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			
Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects			
Mean in Original Scale	29.38	Mean in Log Scale	0.395
SD in Original Scale	97.52	SD in Log Scale	2.742
95% UTL95% Coverage	1059	95% BCA UTL95% Coverage	440
95% Bootstrap (%) UTL95% Coverage	440	95% UPL (t)	191.2
90% Percentile (z)	49.85	95% Percentile (z)	135
99% Percentile (z)	874.7	95% USL	1645
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean of Logged Data	1.906	95% KM UTL (Lognormal)95% Coverage	151.4
KM SD of Logged Data	1.3	95% KM UPL (Lognormal)	67.28
95% KM Percentile Lognormal (z)	57.04	95% KM USL (Lognormal)	186.6
Background DL/2 Statistics Assuming Lognormal Distribution			
Mean in Original Scale	30.23	Mean in Log Scale	1.668
SD in Original Scale	97.26	SD in Log Scale	1.495
95% UTL95% Coverage	190.5	95% UPL (t)	74.95
90% Percentile (z)	36.02	95% Percentile (z)	61.99
99% Percentile (z)	171.7	95% USL	242.2
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.			
Nonparametric Distribution Free Background Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	440
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	420.2	95% USL	440
95% KM Chebyshev UPL	453.5		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
Sb			
General Statistics			

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Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	20		
Number of Detects	11	Number of Non-Detects	9
Number of Distinct Detects	11	Number of Distinct Non-Detects	9
Minimum Detect	0.122	Minimum Non-Detect	0.0738
Maximum Detect	1.76	Maximum Non-Detect	0.0856
Variance Detected	0.246	Percent Non-Detects	45%
Mean Detected	0.611	SD Detected	0.496
Mean of Detected Logged Data	-0.768	SD of Detected Logged Data	0.782
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.837	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.85	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.242	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.267	Detected Data appear Normal at 5% Significance Level	
Detected Data appear Approximate Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	0.369	SD	0.441
95% UTL95% Coverage	1.425	95% KM UPL (t)	1.15
90% KM Percentile (z)	0.934	95% KM Percentile (z)	1.094
99% KM Percentile (z)	1.395	95% KM USL	1.496
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	0.354	SD	0.463
95% UTL95% Coverage	1.463	95% UPL (t)	1.174
90% Percentile (z)	0.947	95% Percentile (z)	1.115
99% Percentile (z)	1.431	95% USL	1.538
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.307	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.739	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.163	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.259	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	1.971	k star (bias corrected MLE)	1.494
Theta hat (MLE)	0.31	Theta star (bias corrected MLE)	0.409
nu hat (MLE)	43.37	nu star (bias corrected)	32.87

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MLE Mean (bias corrected)	0.611		
MLE Sd (bias corrected)	0.5	95% Percentile of Chisquare (2k)	7.795

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.34
Maximum	1.76	Median	0.157
SD	0.473	CV	1.389
k hat (MLE)	0.455	k star (bias corrected MLE)	0.42
Theta hat (MLE)	0.748	Theta star (bias corrected MLE)	0.811
nu hat (MLE)	18.2	nu star (bias corrected)	16.8
MLE Mean (bias corrected)	0.34	MLE Sd (bias corrected)	0.525
95% Percentile of Chisquare (2k)	3.432	90% Percentile	0.953
95% Percentile	1.391	99% Percentile	2.486

The following statistics are computed using Gamma ROS Statistics on Imputed Data

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	2.396	2.914	95% Approx. Gamma UPL	1.44	1.594
95% Gamma USL	2.696	3.357			

The following statistics are computed using gamma distribution and KM estimates

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

k hat (KM)		0.701	nu hat (KM)		28.05
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	1.746	1.867	95% Approx. Gamma UPL	1.171	1.196
95% Gamma USL	1.919	2.077			

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.979	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.85	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.125	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.267	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects

Mean in Original Scale	0.363	Mean in Log Scale	-1.692
SD in Original Scale	0.457	SD in Log Scale	1.192
95% UTL95% Coverage	3.204	95% BCA UTL95% Coverage	1.76
95% Bootstrap (%) UTL95% Coverage	1.76	95% UPL (t)	1.522
90% Percentile (z)	0.849	95% Percentile (z)	1.308
99% Percentile (z)	2.949	95% USL	3.88

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Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean of Logged Data	-1.595	95% KM UTL (Lognormal)95% Coverage	2.627
KM SD of Logged Data	1.069	95% KM UPL (Lognormal)	1.348
95% KM Percentile Lognormal (z)	1.177	95% KM USL (Lognormal)	3.119
Background DL/2 Statistics Assuming Lognormal Distribution			
Mean in Original Scale	0.354	Mean in Log Scale	-1.872
SD in Original Scale	0.463	SD in Log Scale	1.375
95% UTL95% Coverage	4.152	95% UPL (t)	1.76
90% Percentile (z)	0.897	95% Percentile (z)	1.478
99% Percentile (z)	3.773	95% USL	5.178
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.			
Nonparametric Distribution Free Background Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	1.76
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	1.732	95% USL	1.76
95% KM Chebyshev UPL	2.338		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.			
BAA			
General Statistics			
Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	12		
Number of Detects	16	Number of Non-Detects	4
Number of Distinct Detects	12	Number of Distinct Non-Detects	1
Minimum Detect	4	Minimum Non-Detect	4
Maximum Detect	890	Maximum Non-Detect	4
Variance Detected	51759	Percent Non-Detects	20%
Mean Detected	100.3	SD Detected	227.5
Mean of Detected Logged Data	2.933	SD of Detected Logged Data	1.753
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

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Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.492	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.887	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.366	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.222	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	81	SD	200.8
95% UTL95% Coverage	562	95% KM UPL (t)	436.7
90% KM Percentile (z)	338.3	95% KM Percentile (z)	411.2
99% KM Percentile (z)	548	95% KM USL	594.2
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	80.6	SD	206.1
95% UTL95% Coverage	574.5	95% UPL (t)	445.8
90% Percentile (z)	344.8	95% Percentile (z)	419.6
99% Percentile (z)	560.1	95% USL	607.6
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	1.705	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.818	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.29	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.23	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.394	k star (bias corrected MLE)	0.362
Theta hat (MLE)	254.5	Theta star (bias corrected MLE)	277.2
nu hat (MLE)	12.6	nu star (bias corrected)	11.57
MLE Mean (bias corrected)	100.3		
MLE Sd (bias corrected)	166.7	95% Percentile of Chisquare (2k)	3.111
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	80.2
Maximum	890	Median	5.5
SD	206.3	CV	2.572
k hat (MLE)	0.241	k star (bias corrected MLE)	0.239
Theta hat (MLE)	332.3	Theta star (bias corrected MLE)	336.3

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nu hat (MLE)	9.655	nu star (bias corrected)	9.54
MLE Mean (bias corrected)	80.2	MLE Sd (bias corrected)	164.2
95% Percentile of Chisquare (2k)	2.341	90% Percentile	241.5
95% Percentile	393.6	99% Percentile	801.4

The following statistics are computed using Gamma ROS Statistics on Imputed Data

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	584.5	692.3	95% Approx. Gamma UPL	322.9	338.6
95% Gamma USL	669.2	816.5			

The following statistics are computed using gamma distribution and KM estimates

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

k hat (KM)		0.163	nu hat (KM)		6.512
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	502.1	515.9	95% Approx. Gamma UPL	291	276.6
95% Gamma USL	569.3	597			

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.841	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.887	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.189	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.222	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Approximate Lognormal at 5% Significance Level

Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects

Mean in Original Scale	80.28	Mean in Log Scale	2.12
SD in Original Scale	206.3	SD in Log Scale	2.304
95% UTL95% Coverage	2082	95% BCA UTL95% Coverage	890
95% Bootstrap (%) UTL95% Coverage	890	95% UPL (t)	494.1
90% Percentile (z)	159.7	95% Percentile (z)	368.8
99% Percentile (z)	1773	95% USL	3015

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean of Logged Data	2.624	95% KM UTL (Lognormal)95% Coverage	699.9
KM SD of Logged Data	1.639	95% KM UPL (Lognormal)	251.6
95% KM Percentile Lognormal (z)	204.3	95% KM USL (Lognormal)	910.7

Background DL/2 Statistics Assuming Lognormal Distribution

Mean in Original Scale	80.6	Mean in Log Scale	2.485
SD in Original Scale	206.1	SD in Log Scale	1.808
95% UTL95% Coverage	914	95% UPL (t)	295.6
90% Percentile (z)	121.8	95% Percentile (z)	235
99% Percentile (z)	805.8	95% USL	1222

DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.

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Nonparametric Distribution Free Background Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)

Order of Statistic, r	20	95% UTL with95% Coverage	890
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	862	95% USL	890
95% KM Chebyshev UPL	977.7		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

BBF

General Statistics

Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	14		
Number of Detects	17	Number of Non-Detects	3
Number of Distinct Detects	13	Number of Distinct Non-Detects	1
Minimum Detect	5	Minimum Non-Detect	4
Maximum Detect	1600	Maximum Non-Detect	4
Variance Detected	155404	Percent Non-Detects	15%
Mean Detected	168	SD Detected	394.2
Mean of Detected Logged Data	3.38	SD of Detected Logged Data	1.787

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.474	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.892	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.396	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.215	Data Not Normal at 5% Significance Level	

Data Not Normal at 5% Significance Level

Kaplan Meier (KM) Background Statistics Assuming Normal Distribution

Mean	143.4	SD	357.4
95% UTL95% Coverage	999.8	95% KM UPL (t)	776.7
90% KM Percentile (z)	601.5	95% KM Percentile (z)	731.3
99% KM Percentile (z)	974.9	95% KM USL	1057

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DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	143.1	SD	366.8
95% UTL95% Coverage	1022	95% UPL (t)	793.1
90% Percentile (z)	613.2	95% Percentile (z)	746.5
99% Percentile (z)	996.5	95% USL	1081
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			

Gamma GOF Tests on Detected Observations Only		
A-D Test Statistic	1.828	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.824	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.341	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.224	Data Not Gamma Distributed at 5% Significance Level
Data Not Gamma Distributed at 5% Significance Level		

Gamma Statistics on Detected Data Only			
k hat (MLE)	0.38	k star (bias corrected MLE)	0.352
Theta hat (MLE)	441.7	Theta star (bias corrected MLE)	476.6
nu hat (MLE)	12.93	nu star (bias corrected)	11.98
MLE Mean (bias corrected)	168		
MLE Sd (bias corrected)	283	95% Percentile of Chisquare (2k)	3.058

Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	142.8
Maximum	1600	Median	10.5
SD	367	CV	2.57
k hat (MLE)	0.255	k star (bias corrected MLE)	0.25
Theta hat (MLE)	560.5	Theta star (bias corrected MLE)	571.4
nu hat (MLE)	10.19	nu star (bias corrected)	9.996
MLE Mean (bias corrected)	142.8	MLE Sd (bias corrected)	285.7
95% Percentile of Chisquare (2k)	2.42	90% Percentile	428.6
95% Percentile	691.3	99% Percentile	1391

The following statistics are computed using Gamma ROS Statistics on Imputed Data					
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods					
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	1026	1198	95% Approx. Gamma UPL	570.6	593.6
95% Gamma USL	1173	1409			

The following statistics are computed using gamma distribution and KM estimates			
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods			
k hat (KM)	0.161	nu hat (KM)	6.439

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	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	905.9	943	95% Approx. Gamma UPL	520.8	498.8
95% Gamma USL	1029	1094			

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.851	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.892	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.219	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.215	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects

Mean in Original Scale	142.9	Mean in Log Scale	2.767
SD in Original Scale	366.9	SD in Log Scale	2.231
95% UTL95% Coverage	3336	95% BCA UTL95% Coverage	1600
95% Bootstrap (%) UTL95% Coverage	1600	95% UPL (t)	828.9
90% Percentile (z)	277.6	95% Percentile (z)	624.4
99% Percentile (z)	2856	95% USL	4773

Background DL/2 Statistics Assuming Lognormal Distribution

Mean in Original Scale	143.1	Mean in Log Scale	2.977
SD in Original Scale	366.8	SD in Log Scale	1.913
95% UTL95% Coverage	1920	95% UPL (t)	581.8
90% Percentile (z)	227.8	95% Percentile (z)	456.4
99% Percentile (z)	1681	95% USL	2610

DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.

Nonparametric Distribution Free Background Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)

Order of Statistic, r	20	95% UTL with95% Coverage	1600
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	1546	95% USL	1600
95% KM Chebyshev UPL	1740		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations.

The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

BP

General Statistics

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Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	15		
Number of Detects	17	Number of Non-Detects	3
Number of Distinct Detects	14	Number of Distinct Non-Detects	1
Minimum Detect	5	Minimum Non-Detect	4
Maximum Detect	610	Maximum Non-Detect	4
Variance Detected	24930	Percent Non-Detects	15%
Mean Detected	82.41	SD Detected	157.9
Mean of Detected Logged Data	3.104	SD of Detected Logged Data	1.541
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.563	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.892	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.397	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.215	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	70.65	SD	144
95% UTL95% Coverage	415.6	95% KM UPL (t)	325.7
90% KM Percentile (z)	255.2	95% KM Percentile (z)	307.5
99% KM Percentile (z)	405.6	95% KM USL	438.7
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	70.35	SD	147.9
95% UTL95% Coverage	424.6	95% UPL (t)	332.3
90% Percentile (z)	259.8	95% Percentile (z)	313.6
99% Percentile (z)	414.3	95% USL	448.4
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	1.821	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.801	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.312	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.221	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.488	k star (bias corrected MLE)	0.441
Theta hat (MLE)	169	Theta star (bias corrected MLE)	187
nu hat (MLE)	16.58	nu star (bias corrected)	14.99

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MLE Mean (bias corrected)	82.41		
MLE Sd (bias corrected)	124.1	95% Percentile of Chisquare (2k)	3.541

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	70.05
Maximum	610	Median	10
SD	148	CV	2.113
k hat (MLE)	0.3	k star (bias corrected MLE)	0.288
Theta hat (MLE)	233.8	Theta star (bias corrected MLE)	243.2
nu hat (MLE)	11.99	nu star (bias corrected)	11.52
MLE Mean (bias corrected)	70.05	MLE Sd (bias corrected)	130.5
95% Percentile of Chisquare (2k)	2.67	90% Percentile	207.6
95% Percentile	324.6	99% Percentile	630.4

The following statistics are computed using Gamma ROS Statistics on Imputed Data

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	506.2	612.3	95% Approx. Gamma UPL	290.1	314.4
95% Gamma USL	575.3	714.9			

The following statistics are computed using gamma distribution and KM estimates

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

k hat (KM)	0.241		nu hat (KM)	9.632	
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	431.2	452.4	95% Approx. Gamma UPL	258.1	252.3
95% Gamma USL	485.7	519			

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.844	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.892	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.198	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.215	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Approximate Lognormal at 5% Significance Level

Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects

Mean in Original Scale	70.16	Mean in Log Scale	2.577
SD in Original Scale	148	SD in Log Scale	1.921
95% UTL95% Coverage	1313	95% BCA UTL95% Coverage	610
95% Bootstrap (%) UTL95% Coverage	610	95% UPL (t)	395.9
90% Percentile (z)	154.3	95% Percentile (z)	310.2
99% Percentile (z)	1149	95% USL	1787

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Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean of Logged Data	2.846	95% KM UTL (Lognormal)95% Coverage	639.7
KM SD of Logged Data	1.509	95% KM UPL (Lognormal)	249.5
95% KM Percentile Lognormal (z)	206	95% KM USL (Lognormal)	815.1
Background DL/2 Statistics Assuming Lognormal Distribution			
Mean in Original Scale	70.35	Mean in Log Scale	2.742
SD in Original Scale	147.9	SD in Log Scale	1.667
95% UTL95% Coverage	843.2	95% UPL (t)	297.8
90% Percentile (z)	131.5	95% Percentile (z)	241
99% Percentile (z)	750.7	95% USL	1102
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.			
Nonparametric Distribution Free Background Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	610
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	593	95% USL	610
95% KM Chebyshev UPL	713.7		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
BKF			
General Statistics			
Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	11		
Number of Detects	11	Number of Non-Detects	9
Number of Distinct Detects	10	Number of Distinct Non-Detects	2
Minimum Detect	4	Minimum Non-Detect	3
Maximum Detect	640	Maximum Non-Detect	4
Variance Detected	36529	Percent Non-Detects	45%
Mean Detected	99.45	SD Detected	191.1
Mean of Detected Logged Data	3.168	SD of Detected Logged Data	1.739
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

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Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.576	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.85	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.325	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.267	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	56.05	SD	143.4
95% UTL95% Coverage	399.7	95% KM UPL (t)	310.2
90% KM Percentile (z)	239.8	95% KM Percentile (z)	291.9
99% KM Percentile (z)	389.7	95% KM USL	422.7
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	55.58	SD	147.3
95% UTL95% Coverage	408.6	95% UPL (t)	316.6
90% Percentile (z)	244.4	95% Percentile (z)	297.9
99% Percentile (z)	398.3	95% USL	432.2
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.944	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.791	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.289	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.271	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.451	k star (bias corrected MLE)	0.388
Theta hat (MLE)	220.6	Theta star (bias corrected MLE)	256
nu hat (MLE)	9.919	nu star (bias corrected)	8.547
MLE Mean (bias corrected)	99.45		
MLE Sd (bias corrected)	159.6	95% Percentile of Chisquare (2k)	3.261
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	54.7
Maximum	640	Median	4.5
SD	147.7	CV	2.699
k hat (MLE)	0.174	k star (bias corrected MLE)	0.181
Theta hat (MLE)	315.1	Theta star (bias corrected MLE)	302.4

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nu hat (MLE)	6.945	nu star (bias corrected)	7.236
MLE Mean (bias corrected)	54.7	MLE Sd (bias corrected)	128.6
95% Percentile of Chisquare (2k)	1.912	90% Percentile	165
95% Percentile	289	99% Percentile	636.4

The following statistics are computed using Gamma ROS Statistics on Imputed Data

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	422	517.4	95% Approx. Gamma UPL	222.4	233.9
95% Gamma USL	487.8	620			

The following statistics are computed using gamma distribution and KM estimates

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

k hat (KM)		0.153	nu hat (KM)		6.11
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	344	349	95% Approx. Gamma UPL	198.9	186.9
95% Gamma USL	390.2	403.9			

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.875	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.85	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.213	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.267	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects

Mean in Original Scale	54.87	Mean in Log Scale	1.009
SD in Original Scale	147.6	SD in Log Scale	2.903
95% UTL95% Coverage	2878	95% BCA UTL95% Coverage	640
95% Bootstrap (%) UTL95% Coverage	640	95% UPL (t)	470
90% Percentile (z)	113.2	95% Percentile (z)	325.1
99% Percentile (z)	2351	95% USL	4587

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean of Logged Data	2.237	95% KM UTL (Lognormal)95% Coverage	436.7
KM SD of Logged Data	1.604	95% KM UPL (Lognormal)	160.5
95% KM Percentile Lognormal (z)	130.9	95% KM USL (Lognormal)	565

Background DL/2 Statistics Assuming Lognormal Distribution

Mean in Original Scale	55.58	Mean in Log Scale	2.04
SD in Original Scale	147.3	SD in Log Scale	1.798
95% UTL95% Coverage	571.2	95% UPL (t)	186
90% Percentile (z)	77.02	95% Percentile (z)	148
99% Percentile (z)	504	95% USL	762.4

DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.

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Nonparametric Distribution Free Background Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)

Order of Statistic, r	20	95% UTL with95% Coverage	640
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	619	95% USL	640
95% KM Chebyshev UPL	696.6		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

BAP

General Statistics

Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	12		
Number of Detects	14	Number of Non-Detects	6
Number of Distinct Detects	11	Number of Distinct Non-Detects	2
Minimum Detect	4	Minimum Non-Detect	3
Maximum Detect	690	Maximum Non-Detect	4
Variance Detected	37813	Percent Non-Detects	30%
Mean Detected	101.6	SD Detected	194.5
Mean of Detected Logged Data	3.065	SD of Detected Logged Data	1.787

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.586	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.874	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.352	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.237	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Kaplan Meier (KM) Background Statistics Assuming Normal Distribution

Mean	72	SD	163.2
95% UTL95% Coverage	462.9	95% KM UPL (t)	361.1
90% KM Percentile (z)	281.1	95% KM Percentile (z)	340.4
99% KM Percentile (z)	451.5	95% KM USL	489.1

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DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	71.68	SD	167.5
95% UTL95% Coverage	473.1	95% UPL (t)	368.5
90% Percentile (z)	286.4	95% Percentile (z)	347.2
99% Percentile (z)	461.4	95% USL	500
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	1.349	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.809	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.272	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.244	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.42	k star (bias corrected MLE)	0.377
Theta hat (MLE)	242	Theta star (bias corrected MLE)	269.1
nu hat (MLE)	11.75	nu star (bias corrected)	10.57
MLE Mean (bias corrected)	101.6		
MLE Sd (bias corrected)	165.3	95% Percentile of Chisquare (2k)	3.2
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	71.1
Maximum	690	Median	5.5
SD	167.8	CV	2.36
k hat (MLE)	0.209	k star (bias corrected MLE)	0.211
Theta hat (MLE)	340.5	Theta star (bias corrected MLE)	337.2
nu hat (MLE)	8.354	nu star (bias corrected)	8.434
MLE Mean (bias corrected)	71.1	MLE Sd (bias corrected)	154.8
95% Percentile of Chisquare (2k)	2.143	90% Percentile	215
95% Percentile	361.3	99% Percentile	760.5
The following statistics are computed using Gamma ROS Statistics on Imputed Data			
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods			
	WH	HW	WH	HW
95% Approx. Gamma UTL with 95% Coverage	550.4	681.1	95% Approx. Gamma UPL	298.8	322.2
95% Gamma USL	632.4	808.8		
The following statistics are computed using gamma distribution and KM estimates			
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods			
k hat (KM)	0.195	nu hat (KM)	7.79

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	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	459.4	480.7	95% Approx. Gamma UPL	265.5	255.9
95% Gamma USL	521.3	556.9			

Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.844	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.874	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.209	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.237	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Approximate Lognormal at 5% Significance Level			
Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects			
Mean in Original Scale	71.22	Mean in Log Scale	1.766
SD in Original Scale	167.7	SD in Log Scale	2.563
95% UTL95% Coverage	2719	95% BCA UTL95% Coverage	690
95% Bootstrap (%) UTL95% Coverage	690	95% UPL (t)	549
90% Percentile (z)	156.2	95% Percentile (z)	396.5
99% Percentile (z)	2274	95% USL	4103
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean of Logged Data	2.475	95% KM UTL (Lognormal)95% Coverage	697.7
KM SD of Logged Data	1.7	95% KM UPL (Lognormal)	241.5
95% KM Percentile Lognormal (z)	194.6	95% KM USL (Lognormal)	916.7
Background DL/2 Statistics Assuming Lognormal Distribution			
Mean in Original Scale	71.68	Mean in Log Scale	2.339
SD in Original Scale	167.5	SD in Log Scale	1.867
95% UTL95% Coverage	908.5	95% UPL (t)	283.4
90% Percentile (z)	113.5	95% Percentile (z)	223.6
99% Percentile (z)	797.8	95% USL	1226
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.			
Nonparametric Distribution Free Background Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	690
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	672.5	95% USL	690
95% KM Chebyshev UPL	800.7		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data

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represents a background data set and when many onsite observations need to be compared with the BTV.

Cd

General Statistics

Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	18		
Number of Detects	9	Number of Non-Detects	11
Number of Distinct Detects	9	Number of Distinct Non-Detects	10
Minimum Detect	0.0403	Minimum Non-Detect	0.0344
Maximum Detect	1.06	Maximum Non-Detect	0.0428
Variance Detected	0.105	Percent Non-Detects	55%
Mean Detected	0.225	SD Detected	0.324
Mean of Detected Logged Data	-2.079	SD of Detected Logged Data	1.053

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.607	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.829	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.326	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.295	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Kaplan Meier (KM) Background Statistics Assuming Normal Distribution

Mean	0.12	SD	0.226
95% UTL95% Coverage	0.661	95% KM UPL (t)	0.52
90% KM Percentile (z)	0.409	95% KM Percentile (z)	0.491
99% KM Percentile (z)	0.645	95% KM USL	0.697

DL/2 Substitution Background Statistics Assuming Normal Distribution

Mean	0.112	SD	0.235
95% UTL95% Coverage	0.674	95% UPL (t)	0.528
90% Percentile (z)	0.413	95% Percentile (z)	0.498
99% Percentile (z)	0.658	95% USL	0.712

DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.661	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.744	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.221	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.287	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

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Gamma Statistics on Detected Data Only			
k hat (MLE)	0.985	k star (bias corrected MLE)	0.73
Theta hat (MLE)	0.229	Theta star (bias corrected MLE)	0.308
nu hat (MLE)	17.72	nu star (bias corrected)	13.15
MLE Mean (bias corrected)	0.225		
MLE Sd (bias corrected)	0.263	95% Percentile of Chisquare (2k)	4.897
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	0.107
Maximum	1.06	Median	0.01
SD	0.237	CV	2.219
k hat (MLE)	0.514	k star (bias corrected MLE)	0.47
Theta hat (MLE)	0.208	Theta star (bias corrected MLE)	0.227
nu hat (MLE)	20.55	nu star (bias corrected)	18.8
MLE Mean (bias corrected)	0.107	MLE Sd (bias corrected)	0.156
95% Percentile of Chisquare (2k)	3.691	90% Percentile	0.293
95% Percentile	0.419	99% Percentile	0.733
The following statistics are computed using Gamma ROS Statistics on Imputed Data			
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods			
	WH	HW	
95% Approx. Gamma UTL with 95% Coverage	0.649	0.684	95% Approx. Gamma UPL	0.394	0.389
95% Gamma USL	0.728	0.781			
The following statistics are computed using gamma distribution and KM estimates			
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods			
k hat (KM)	0.285	nu hat (KM)	11.39
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	0.557	0.552	95% Approx. Gamma UPL	0.369	0.354
95% Gamma USL	0.614	0.615			
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.914	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.829	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.176	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.295	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			
Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects			
Mean in Original Scale	0.105	Mean in Log Scale	-3.727

SD in Original Scale	0.238	SD in Log Scale	1.688
95% UTL95% Coverage	1.374	95% BCA UTL95% Coverage	1.06
95% Bootstrap (%) UTL95% Coverage	1.06	95% UPL (t)	0.479
90% Percentile (z)	0.209	95% Percentile (z)	0.387
99% Percentile (z)	1.221	95% USL	1.802
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean of Logged Data	-2.785	95% KM UTL (Lognormal)95% Coverage	0.564
KM SD of Logged Data	0.923	95% KM UPL (Lognormal)	0.317
95% KM Percentile Lognormal (z)	0.282	95% KM USL (Lognormal)	0.654
Background DL/2 Statistics Assuming Lognormal Distribution			
Mean in Original Scale	0.112	Mean in Log Scale	-3.102
SD in Original Scale	0.235	SD in Log Scale	1.171
95% UTL95% Coverage	0.743	95% UPL (t)	0.358
90% Percentile (z)	0.202	95% Percentile (z)	0.308
99% Percentile (z)	0.685	95% USL	0.897
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.			
Nonparametric Distribution Free Background Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	1.06
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	1.021	95% USL	1.06
95% KM Chebyshev UPL	1.128		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
CHRYSENE			
General Statistics			
Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	13		
Number of Detects	19	Number of Non-Detects	1
Number of Distinct Detects	13	Number of Distinct Non-Detects	1
Minimum Detect	4	Minimum Non-Detect	4
Maximum Detect	1500	Maximum Non-Detect	4
Variance Detected	117857	Percent Non-Detects	5%
Mean Detected	130.5	SD Detected	343.3

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Mean of Detected Logged Data	3.123	SD of Detected Logged Data	1.747
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.41	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.901	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.374	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.203	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	124.2	SD	326.9
95% UTL95% Coverage	907.3	95% KM UPL (t)	703.3
90% KM Percentile (z)	543.1	95% KM Percentile (z)	661.8
99% KM Percentile (z)	884.6	95% KM USL	959.8
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	124.1	SD	335.4
95% UTL95% Coverage	927.7	95% UPL (t)	718.3
90% Percentile (z)	553.9	95% Percentile (z)	675.8
99% Percentile (z)	904.3	95% USL	981.5
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	1.942	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.827	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.247	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.213	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.38	k star (bias corrected MLE)	0.355
Theta hat (MLE)	343.9	Theta star (bias corrected MLE)	368
nu hat (MLE)	14.42	nu star (bias corrected)	13.48
MLE Mean (bias corrected)	130.5		
MLE Sd (bias corrected)	219.2	95% Percentile of Chisquare (2k)	3.071
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			

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Minimum	0.01	Mean	124
Maximum	1500	Median	12.5
SD	335.4	CV	2.705
k hat (MLE)	0.326	k star (bias corrected MLE)	0.311
Theta hat (MLE)	379.9	Theta star (bias corrected MLE)	399
nu hat (MLE)	13.06	nu star (bias corrected)	12.43
MLE Mean (bias corrected)	124	MLE Sd (bias corrected)	222.4
95% Percentile of Chisquare (2k)	2.811	90% Percentile	364.1
95% Percentile	560.8	99% Percentile	1070

The following statistics are computed using Gamma ROS Statistics on Imputed Data

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	828.9	905.5	95% Approx. Gamma UPL	473.3	471
95% Gamma USL	942.7	1054			

The following statistics are computed using gamma distribution and KM estimates

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

k hat (KM)		0.144	nu hat (KM)		5.776
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	765.5	792.8	95% Approx. Gamma UPL	444.1	424.9
95% Gamma USL	867.8	917.3			

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.86	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.901	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.198	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.203	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Approximate Lognormal at 5% Significance Level

Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects

Mean in Original Scale	124	Mean in Log Scale	2.916
SD in Original Scale	335.4	SD in Log Scale	1.936
95% UTL95% Coverage	1911	95% BCA UTL95% Coverage	1500
95% Bootstrap (%) UTL95% Coverage	1500	95% UPL (t)	570.6
90% Percentile (z)	220.8	95% Percentile (z)	446.2
99% Percentile (z)	1670	95% USL	2608

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean of Logged Data	3.036	95% KM UTL (Lognormal)95% Coverage	1223
KM SD of Logged Data	1.7	95% KM UPL (Lognormal)	423.2
95% KM Percentile Lognormal (z)	341.1	95% KM USL (Lognormal)	1607

Background DL/2 Statistics Assuming Lognormal Distribution

Mean in Original Scale	124.1	Mean in Log Scale	3.001

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SD in Original Scale	335.4	SD in Log Scale	1.785
95% UTL95% Coverage	1448	95% UPL (t)	475.3
90% Percentile (z)	198.1	95% Percentile (z)	378.9
99% Percentile (z)	1279	95% USL	1929

DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.

Nonparametric Distribution Free Background Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)

Order of Statistic, r	20	95% UTL with95% Coverage	1500
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	1441	95% USL	1500
95% KM Chebyshev UPL	1584		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

DAA

General Statistics

Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	9		
Number of Detects	9	Number of Non-Detects	11
Number of Distinct Detects	8	Number of Distinct Non-Detects	2
Minimum Detect	4	Minimum Non-Detect	3
Maximum Detect	200	Maximum Non-Detect	4
Variance Detected	4075	Percent Non-Detects	55%
Mean Detected	46.44	SD Detected	63.83
Mean of Detected Logged Data	2.955	SD of Detected Logged Data	1.461

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.718	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.829	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.272	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.295	Detected Data appear Normal at 5% Significance Level

Detected Data appear Approximate Normal at 5% Significance Level

Kaplan Meier (KM) Background Statistics Assuming Normal Distribution

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Mean	22.55	SD	45.79
95% UTL95% Coverage	132.3	95% KM UPL (t)	103.7
90% KM Percentile (z)	81.24	95% KM Percentile (z)	97.87
99% KM Percentile (z)	129.1	95% KM USL	139.6
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	21.98	SD	47.24
95% UTL95% Coverage	135.2	95% UPL (t)	105.7
90% Percentile (z)	82.51	95% Percentile (z)	99.67
99% Percentile (z)	131.9	95% USL	142.7
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.599	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.756	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.275	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.291	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.686	k star (bias corrected MLE)	0.531
Theta hat (MLE)	67.69	Theta star (bias corrected MLE)	87.39
nu hat (MLE)	12.35	nu star (bias corrected)	9.566
MLE Mean (bias corrected)	46.44		
MLE Sd (bias corrected)	63.71	95% Percentile of Chisquare (2k)	3.995
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	20.91
Maximum	200	Median	0.01
SD	47.72	CV	2.283
k hat (MLE)	0.177	k star (bias corrected MLE)	0.184
Theta hat (MLE)	118.3	Theta star (bias corrected MLE)	113.9
nu hat (MLE)	7.071	nu star (bias corrected)	7.343
MLE Mean (bias corrected)	20.91	MLE Sd (bias corrected)	48.79
95% Percentile of Chisquare (2k)	1.933	90% Percentile	63.1
95% Percentile	110.1	99% Percentile	241.2
The following statistics are computed using Gamma ROS Statistics on Imputed Data			
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods			

	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	172.9	219.1	95% Approx. Gamma UPL	91.13	98.61

95% Gamma USL	199.8	262.9			
The following statistics are computed using gamma distribution and KM estimates					
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods					
k hat (KM)		0.242	nu hat (KM)		9.699
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	129.4	132.7	95% Approx. Gamma UPL	79.32	76.67
95% Gamma USL	145	151.1			
Lognormal GOF Test on Detected Observations Only					
Shapiro Wilk Test Statistic		0.883	**Shapiro Wilk GOF Test**		
5% Shapiro Wilk Critical Value		0.829	Detected Data appear Lognormal at 5% Significance Level		
Lilliefors Test Statistic		0.228	**Lilliefors GOF Test**		
5% Lilliefors Critical Value		0.295	Detected Data appear Lognormal at 5% Significance Level		
Detected Data appear Lognormal at 5% Significance Level					
Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects					
Mean in Original Scale		21.16	Mean in Log Scale		0.513
SD in Original Scale		47.61	SD in Log Scale		2.681
95% UTL95% Coverage		1030	95% BCA UTL95% Coverage		200
95% Bootstrap (%) UTL95% Coverage		200	95% UPL (t)		193.2
90% Percentile (z)		51.89	95% Percentile (z)		137.4
99% Percentile (z)		854.5	95% USL		1584
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution					
KM Mean of Logged Data		1.934	95% KM UTL (Lognormal)95% Coverage		158.2
KM SD of Logged Data		1.306	95% KM UPL (Lognormal)		69.99
95% KM Percentile Lognormal (z)		59.3	95% KM USL (Lognormal)		195.1
Background DL/2 Statistics Assuming Lognormal Distribution					
Mean in Original Scale		21.98	Mean in Log Scale		1.697
SD in Original Scale		47.24	SD in Log Scale		1.505
95% UTL95% Coverage		201	95% UPL (t)		78.55
90% Percentile (z)		37.55	95% Percentile (z)		64.89
99% Percentile (z)		181	95% USL		256
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.					
Nonparametric Distribution Free Background Statistics					
Data appear to follow a Discernible Distribution at 5% Significance Level					
Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)					
Order of Statistic, r		20	95% UTL with95% Coverage		200
Approximate f		1.053	Confidence Coefficient (CC) achieved by UTL		0.642
95% UPL		193.7	95% USL		200

95% KM Chebyshev UPL	227.1		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

FLUORANTHENE

General Statistics

Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	14		
Number of Detects	18	Number of Non-Detects	2
Number of Distinct Detects	14	Number of Distinct Non-Detects	1
Minimum Detect	4	Minimum Non-Detect	4
Maximum Detect	1900	Maximum Non-Detect	4
Variance Detected	205112	Percent Non-Detects	10%
Mean Detected	171.4	SD Detected	452.9
Mean of Detected Logged Data	3.248	SD of Detected Logged Data	1.816

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.421	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.897	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.384	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.209	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Kaplan Meier (KM) Background Statistics Assuming Normal Distribution

Mean	154.7	SD	420.6
95% UTL95% Coverage	1162	95% KM UPL (t)	899.9
90% KM Percentile (z)	693.7	95% KM Percentile (z)	846.5
99% KM Percentile (z)	1133	95% KM USL	1230

DL/2 Substitution Background Statistics Assuming Normal Distribution

Mean	154.5	SD	431.6
95% UTL95% Coverage	1189	95% UPL (t)	919.1
90% Percentile (z)	707.6	95% Percentile (z)	864.3
99% Percentile (z)	1158	95% USL	1258

DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons

Gamma GOF Tests on Detected Observations Only

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A-D Test Statistic	1.903	**Anderson-Darling GOF Test**			
5% A-D Critical Value	0.831	Data Not Gamma Distributed at 5% Significance Level			
K-S Test Statistic	0.292	**Kolmogrov-Smirnoff GOF**			
5% K-S Critical Value	0.219	Data Not Gamma Distributed at 5% Significance Level			
Data Not Gamma Distributed at 5% Significance Level					
Gamma Statistics on Detected Data Only					
k hat (MLE)	0.354	k star (bias corrected MLE)	0.332		
Theta hat (MLE)	484.3	Theta star (bias corrected MLE)	516.4		
nu hat (MLE)	12.74	nu star (bias corrected)	11.95		
MLE Mean (bias corrected)	171.4				
MLE Sd (bias corrected)	297.5	95% Percentile of Chisquare (2k)	2.939		
Gamma ROS Statistics using Imputed Non-Detects					
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs					
GROS may not be used when kstar of detected data is small such as < 0.1					
For such situations, GROS method tends to yield inflated values of UCLs and BTVs					
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates					
Minimum	0.01	Mean	154.3		
Maximum	1900	Median	12.5		
SD	431.6	CV	2.797		
k hat (MLE)	0.272	k star (bias corrected MLE)	0.265		
Theta hat (MLE)	567.3	Theta star (bias corrected MLE)	583.3		
nu hat (MLE)	10.88	nu star (bias corrected)	10.58		
MLE Mean (bias corrected)	154.3	MLE Sd (bias corrected)	300		
95% Percentile of Chisquare (2k)	2.518	90% Percentile	461.1		
95% Percentile	734.3	99% Percentile	1456		
The following statistics are computed using Gamma ROS Statistics on Imputed Data					
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods					
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	1058	1178	95% Approx. Gamma UPL	590.3	590.9
95% Gamma USL	1209	1382			
The following statistics are computed using gamma distribution and KM estimates					
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods					
k hat (KM)	0.135		nu hat (KM)	5.412	
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	958.6	981.6	95% Approx. Gamma UPL	547.5	515.9
95% Gamma USL	1090	1141			
Lognormal GOF Test on Detected Observations Only					
Shapiro Wilk Test Statistic	0.879	**Shapiro Wilk GOF Test**			
5% Shapiro Wilk Critical Value	0.897	Data Not Lognormal at 5% Significance Level			
Lilliefors Test Statistic	0.178	**Lilliefors GOF Test**			

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5% Lilliefors Critical Value	0.209	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Approximate Lognormal at 5% Significance Level			
Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects			
Mean in Original Scale	154.3	Mean in Log Scale	2.828
SD in Original Scale	431.6	SD in Log Scale	2.153
95% UTL95% Coverage	2943	95% BCA UTL95% Coverage	1900
95% Bootstrap (%) UTL95% Coverage	1900	95% UPL (t)	767.5
90% Percentile (z)	267.1	95% Percentile (z)	583.9
99% Percentile (z)	2533	95% USL	4158
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean of Logged Data	3.062	95% KM UTL (Lognormal)95% Coverage	1465
KM SD of Logged Data	1.765	95% KM UPL (Lognormal)	487.1
95% KM Percentile Lognormal (z)	389.3	95% KM USL (Lognormal)	1946
Background DL/2 Statistics Assuming Lognormal Distribution			
Mean in Original Scale	154.5	Mean in Log Scale	2.993
SD in Original Scale	431.6	SD in Log Scale	1.889
95% UTL95% Coverage	1841	95% UPL (t)	566.4
90% Percentile (z)	224.4	95% Percentile (z)	445.6
99% Percentile (z)	1614	95% USL	2494
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.			
Nonparametric Distribution Free Background Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	1900
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	1834	95% USL	1900
95% KM Chebyshev UPL	2033		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
FLUORENE			
General Statistics			
Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	7		
Number of Detects	5	Number of Non-Detects	15

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Number of Distinct Detects	4	Number of Distinct Non-Detects	3
Minimum Detect	7	Minimum Non-Detect	3
Maximum Detect	85	Maximum Non-Detect	18
Variance Detected	1131	Percent Non-Detects	75%
Mean Detected	28.4	SD Detected	33.63
Mean of Detected Logged Data	2.815	SD of Detected Logged Data	1.117
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.746	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.762	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.328	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.396	Detected Data appear Normal at 5% Significance Level	
Detected Data appear Approximate Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	9.391	SD	18.63
95% UTL95% Coverage	54.02	95% KM UPL (t)	42.39
90% KM Percentile (z)	33.26	95% KM Percentile (z)	40.03
99% KM Percentile (z)	52.72	95% KM USL	57.01
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	8.925	SD	19.33
95% UTL95% Coverage	55.24	95% UPL (t)	43.18
90% Percentile (z)	33.7	95% Percentile (z)	40.72
99% Percentile (z)	53.9	95% USL	58.35
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.629	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.691	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.371	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.364	Data Not Gamma Distributed at 5% Significance Level	
Detected data follow Appr. Gamma Distribution at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	1.077	k star (bias corrected MLE)	0.564
Theta hat (MLE)	26.38	Theta star (bias corrected MLE)	50.36
nu hat (MLE)	10.77	nu star (bias corrected)	5.64
MLE Mean (bias corrected)	28.4		
MLE Sd (bias corrected)	37.82	95% Percentile of Chisquare (2k)	4.15

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Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	7.108
Maximum	85	Median	0.01
SD	19.93	CV	2.804
k hat (MLE)	0.161	k star (bias corrected MLE)	0.171
Theta hat (MLE)	44.04	Theta star (bias corrected MLE)	41.68
nu hat (MLE)	6.456	nu star (bias corrected)	6.821
MLE Mean (bias corrected)	7.108	MLE Sd (bias corrected)	17.21
95% Percentile of Chisquare (2k)	1.827	90% Percentile	21.36
95% Percentile	38.08	99% Percentile	85.38

The following statistics are computed using Gamma ROS Statistics on Imputed Data					
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods					
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	52.86	58.51	95% Approx. Gamma UPL	26.84	25.31
95% Gamma USL	61.55	70.75			

The following statistics are computed using gamma distribution and KM estimates					
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods					
k hat (KM)	0.254		nu hat (KM)	10.17	
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	43.74	42.56	95% Approx. Gamma UPL	28.79	27.15
95% Gamma USL	48.28	47.41			

Lognormal GOF Test on Detected Observations Only		
Shapiro Wilk Test Statistic	0.808	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.762	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.345	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.396	Detected Data appear Lognormal at 5% Significance Level
Detected Data appear Lognormal at 5% Significance Level		

Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects			
Mean in Original Scale	7.594	Mean in Log Scale	-0.186
SD in Original Scale	19.76	SD in Log Scale	2.248
95% UTL95% Coverage	181.2	95% BCA UTL95% Coverage	85
95% Bootstrap (%) UTL95% Coverage	85	95% UPL (t)	44.55
90% Percentile (z)	14.8	95% Percentile (z)	33.49
99% Percentile (z)	155	95% USL	260

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean of Logged Data	1.536	95% KM UTL (Lognormal)95% Coverage	39.74

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KM SD of Logged Data	0.896	95% KM UPL (Lognormal)	22.72
95% KM Percentile Lognormal (z)	20.27	95% KM USL (Lognormal)	45.88
Background DL/2 Statistics Assuming Lognormal Distribution			
Mean in Original Scale	8.925	Mean in Log Scale	1.284
SD in Original Scale	19.33	SD in Log Scale	1.097
95% UTL95% Coverage	50	95% UPL (t)	25.22
90% Percentile (z)	14.73	95% Percentile (z)	21.94
99% Percentile (z)	46.33	95% USL	59.63
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.			
Nonparametric Distribution Free Background Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	85
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	82.45	95% USL	85
95% KM Chebyshev UPL	92.58		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
Indeno			
General Statistics			
Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	11		
Number of Detects	13	Number of Non-Detects	7
Number of Distinct Detects	10	Number of Distinct Non-Detects	2
Minimum Detect	4	Minimum Non-Detect	3
Maximum Detect	570	Maximum Non-Detect	4
Variance Detected	25837	Percent Non-Detects	35%
Mean Detected	87	SD Detected	160.7
Mean of Detected Logged Data	3.022	SD of Detected Logged Data	1.749
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.596	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.866	Data Not Normal at 5% Significance Level	

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Lilliefors Test Statistic	0.345	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.246	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	57.6	SD	130.8
95% UTL95% Coverage	371	95% KM UPL (t)	289.3
90% KM Percentile (z)	225.2	95% KM Percentile (z)	272.7
99% KM Percentile (z)	361.9	95% KM USL	392
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	57.23	SD	134.4
95% UTL95% Coverage	379.1	95% UPL (t)	295.3
90% Percentile (z)	229.4	95% Percentile (z)	278.2
99% Percentile (z)	369.8	95% USL	400.7
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	1.198	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.8	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.266	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.252	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.448	k star (bias corrected MLE)	0.396
Theta hat (MLE)	194.4	Theta star (bias corrected MLE)	220
nu hat (MLE)	11.64	nu star (bias corrected)	10.28
MLE Mean (bias corrected)	87		
MLE Sd (bias corrected)	138.3	95% Percentile of Chisquare (2k)	3.299
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	56.55
Maximum	570	Median	5
SD	134.6	CV	2.381
k hat (MLE)	0.2	k star (bias corrected MLE)	0.203
Theta hat (MLE)	283	Theta star (bias corrected MLE)	278.3
nu hat (MLE)	7.994	nu star (bias corrected)	8.128
MLE Mean (bias corrected)	56.55	MLE Sd (bias corrected)	125.5
95% Percentile of Chisquare (2k)	2.085	90% Percentile	171.1

95% Percentile	290.2		99% Percentile		617.3
The following statistics are computed using Gamma ROS Statistics on Imputed Data					
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods					
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	444.3	556.2	95% Approx. Gamma UPL	239.8	260.2
95% Gamma USL	511.1	661.9			
The following statistics are computed using gamma distribution and KM estimates					
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods					
k hat (KM)		0.194	nu hat (KM)		7.758
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	362.7	378.1	95% Approx. Gamma UPL	211.3	203.6
95% Gamma USL	410.9	437			
Lognormal GOF Test on Detected Observations Only					
Shapiro Wilk Test Statistic		0.842	**Shapiro Wilk GOF Test**		
5% Shapiro Wilk Critical Value		0.866	Data Not Lognormal at 5% Significance Level		
Lilliefors Test Statistic		0.22	**Lilliefors GOF Test**		
5% Lilliefors Critical Value		0.246	Detected Data appear Lognormal at 5% Significance Level		
Detected Data appear Approximate Lognormal at 5% Significance Level					
Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects					
Mean in Original Scale		56.68	Mean in Log Scale		1.489
SD in Original Scale		134.6	SD in Log Scale		2.626
95% UTL95% Coverage		2393	95% BCA UTL95% Coverage		570
95% Bootstrap (%) UTL95% Coverage		570	95% UPL (t)		464.7
90% Percentile (z)		128.3	95% Percentile (z)		333
99% Percentile (z)		1993	95% USL		3648
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution					
KM Mean of Logged Data		2.349	95% KM UTL (Lognormal)95% Coverage		527.4
KM SD of Logged Data		1.636	95% KM UPL (Lognormal)		190
95% KM Percentile Lognormal (z)		154.3	95% KM USL (Lognormal)		685.8
Background DL/2 Statistics Assuming Lognormal Distribution					
Mean in Original Scale		57.23	Mean in Log Scale		2.192
SD in Original Scale		134.4	SD in Log Scale		1.811
95% UTL95% Coverage		686.2	95% UPL (t)		221.6
90% Percentile (z)		91.2	95% Percentile (z)		176.1
99% Percentile (z)		604.9	95% USL		917.8
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.					
Nonparametric Distribution Free Background Statistics					
Data appear to follow a Discernible Distribution at 5% Significance Level					

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Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	570
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	552.5	95% USL	570
95% KM Chebyshev UPL	641.8		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

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General Statistics			
Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	20		
Number of Detects	17	Number of Non-Detects	3
Number of Distinct Detects	17	Number of Distinct Non-Detects	3
Minimum Detect	0.016	Minimum Non-Detect	0.011
Maximum Detect	4.14	Maximum Non-Detect	0.0114
Variance Detected	0.986	Percent Non-Detects	15%
Mean Detected	0.401	SD Detected	0.993
Mean of Detected Logged Data	-2.412	SD of Detected Logged Data	1.597
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.426	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.892	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.354	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.215	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	0.342	SD	0.899
95% UTL95% Coverage	2.496	95% KM UPL (t)	1.935
90% KM Percentile (z)	1.494	95% KM Percentile (z)	1.821
99% KM Percentile (z)	2.433	95% KM USL	2.64
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	0.341	SD	0.922
95% UTL95% Coverage	2.552	95% UPL (t)	1.976

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90% Percentile (z)	1.524	95% Percentile (z)	1.859
99% Percentile (z)	2.487	95% USL	2.7
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	1.687	Anderson-Darling GOF Test	
5% A-D Critical Value	0.812	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.275	Kolmogrov-Smirnoff GOF	
5% K-S Critical Value	0.223	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.434	k star (bias corrected MLE)	0.396
Theta hat (MLE)	0.924	Theta star (bias corrected MLE)	1.011
nu hat (MLE)	14.75	nu star (bias corrected)	13.48
MLE Mean (bias corrected)	0.401		
MLE Sd (bias corrected)	0.636	95% Percentile of Chisquare (2k)	3.305
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	0.342
Maximum	4.14	Median	0.0354
SD	0.922	CV	2.695
k hat (MLE)	0.395	k star (bias corrected MLE)	0.369
Theta hat (MLE)	0.866	Theta star (bias corrected MLE)	0.926
nu hat (MLE)	15.81	nu star (bias corrected)	14.77
MLE Mean (bias corrected)	0.342	MLE Sd (bias corrected)	0.563
95% Percentile of Chisquare (2k)	3.154	90% Percentile	0.98
95% Percentile	1.461	99% Percentile	2.682
The following statistics are computed using Gamma ROS Statistics on Imputed Data			
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods			
	WH	HW	
95% Approx. Gamma UTL with 95% Coverage	2.173	2.256	95% Approx. Gamma UPL	1.266	1.217
95% Gamma USL	2.461	2.606			
The following statistics are computed using gamma distribution and KM estimates			
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods			
k hat (KM)	0.145	nu hat (KM)	5.801
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	2.066	2.125	95% Approx. Gamma UPL	1.212	1.157
95% Gamma USL	2.337	2.45			

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Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.876	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.892	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.231	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.215	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects			
Mean in Original Scale	0.341	Mean in Log Scale	-2.951
SD in Original Scale	0.923	SD in Log Scale	1.971
95% UTL95% Coverage	5.873	95% BCA UTL95% Coverage	4.14
95% Bootstrap (%) UTL95% Coverage	4.14	95% UPL (t)	1.717
90% Percentile (z)	0.653	95% Percentile (z)	1.337
99% Percentile (z)	5.12	95% USL	8.06
Background DL/2 Statistics Assuming Lognormal Distribution			
Mean in Original Scale	0.341	Mean in Log Scale	-2.827
SD in Original Scale	0.922	SD in Log Scale	1.782
95% UTL95% Coverage	4.235	95% UPL (t)	1.392
90% Percentile (z)	0.581	95% Percentile (z)	1.11
99% Percentile (z)	3.741	95% USL	5.639
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.			
Nonparametric Distribution Free Background Statistics			
Data do not follow a Discernible Distribution (0.05)			
Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	4.14
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	3.973	95% USL	4.14
95% KM Chebyshev UPL	4.357		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
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General Statistics			
Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	15		
Number of Detects	18	Number of Non-Detects	2

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Number of Distinct Detects	14	Number of Distinct Non-Detects	1
Minimum Detect	5	Minimum Non-Detect	4
Maximum Detect	1200	Maximum Non-Detect	4
Variance Detected	77124	Percent Non-Detects	10%
Mean Detected	117.4	SD Detected	277.7
Mean of Detected Logged Data	3.526	SD of Detected Logged Data	1.505
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.418	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.897	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.414	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.209	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	106.1	SD	258.3
95% UTL95% Coverage	724.9	95% KM UPL (t)	563.7
90% KM Percentile (z)	437.1	95% KM Percentile (z)	530.9
99% KM Percentile (z)	706.9	95% KM USL	766.4
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	105.9	SD	265.1
95% UTL95% Coverage	741	95% UPL (t)	575.5
90% Percentile (z)	445.6	95% Percentile (z)	541.9
99% Percentile (z)	722.5	95% USL	783.5
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	1.163	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.799	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.247	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.215	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.511	k star (bias corrected MLE)	0.463
Theta hat (MLE)	229.9	Theta star (bias corrected MLE)	253.8
nu hat (MLE)	18.38	nu star (bias corrected)	16.65
MLE Mean (bias corrected)	117.4		
MLE Sd (bias corrected)	172.6	95% Percentile of Chisquare (2k)	3.654

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Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	105.7
Maximum	1200	Median	25.5
SD	265.2	CV	2.51
k hat (MLE)	0.346	k star (bias corrected MLE)	0.327
Theta hat (MLE)	305.4	Theta star (bias corrected MLE)	322.7
nu hat (MLE)	13.84	nu star (bias corrected)	13.1
MLE Mean (bias corrected)	105.7	MLE Sd (bias corrected)	184.6
95% Percentile of Chisquare (2k)	2.911	90% Percentile	308.1
95% Percentile	469.7	99% Percentile	885.5
The following statistics are computed using Gamma ROS Statistics on Imputed Data			
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods			
	WH	HW	
95% Approx. Gamma UTL with 95% Coverage	704.2	828.3	95% Approx. Gamma UPL 413.2 441.2
95% Gamma USL	796.4	959.6	
The following statistics are computed using gamma distribution and KM estimates			
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods			
k hat (KM)	0.169	nu hat (KM)	6.743
	WH	HW	WH HW
95% Approx. Gamma UTL with 95% Coverage	617.6	646.1	95% Approx. Gamma UPL 373.7 365.7
95% Gamma USL	694.1	738.9	
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.939	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.897	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.125	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.209	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			
Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects			
Mean in Original Scale	105.8	Mean in Log Scale	3.171
SD in Original Scale	265.1	SD in Log Scale	1.796
95% UTL95% Coverage	1764	95% BCA UTL95% Coverage	1200
95% Bootstrap (%) UTL95% Coverage	1200	95% UPL (t)	574.8
90% Percentile (z)	238.3	95% Percentile (z)	457.6
99% Percentile (z)	1556	95% USL	2353
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean of Logged Data	3.312	95% KM UTL (Lognormal)95% Coverage	1069

KM SD of Logged Data	1.529	95% KM UPL (Lognormal)	411.8
95% KM Percentile Lognormal (z)	339.1	95% KM USL (Lognormal)	1367

Background DL/2 Statistics Assuming Lognormal Distribution

Mean in Original Scale	105.9	Mean in Log Scale	3.242
SD in Original Scale	265.1	SD in Log Scale	1.669
95% UTL95% Coverage	1397	95% UPL (t)	492.8
90% Percentile (z)	217.4	95% Percentile (z)	398.7
99% Percentile (z)	1244	95% USL	1826

DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.

Nonparametric Distribution Free Background Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)

Order of Statistic, r	20	95% UTL with95% Coverage	1200
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	1154	95% USL	1200
95% KM Chebyshev UPL	1260		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

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General Statistics

Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	17		
Number of Detects	18	Number of Non-Detects	2
Number of Distinct Detects	16	Number of Distinct Non-Detects	1
Minimum Detect	6	Minimum Non-Detect	4
Maximum Detect	870	Maximum Non-Detect	4
Variance Detected	42361	Percent Non-Detects	10%
Mean Detected	111.9	SD Detected	205.8
Mean of Detected Logged Data	3.566	SD of Detected Logged Data	1.551

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.556	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.897	Data Not Normal at 5% Significance Level	

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Lilliefors Test Statistic	0.303	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.209	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	101.2	SD	192.5
95% UTL95% Coverage	562.4	95% KM UPL (t)	442.2
90% KM Percentile (z)	347.8	95% KM Percentile (z)	417.8
99% KM Percentile (z)	549	95% KM USL	593.3
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	101	SD	197.6
95% UTL95% Coverage	574.4	95% UPL (t)	451.1
90% Percentile (z)	354.2	95% Percentile (z)	426
99% Percentile (z)	560.6	95% USL	606.1
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.982	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.796	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.206	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.214	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data follow Appr. Gamma Distribution at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.544	k star (bias corrected MLE)	0.491
Theta hat (MLE)	205.7	Theta star (bias corrected MLE)	228.2
nu hat (MLE)	19.59	nu star (bias corrected)	17.66
MLE Mean (bias corrected)	111.9		
MLE Sd (bias corrected)	159.8	95% Percentile of Chisquare (2k)	3.794
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	100.8
Maximum	870	Median	18
SD	197.7	CV	1.962
k hat (MLE)	0.359	k star (bias corrected MLE)	0.339
Theta hat (MLE)	280.5	Theta star (bias corrected MLE)	297.5
nu hat (MLE)	14.37	nu star (bias corrected)	13.55
MLE Mean (bias corrected)	100.8	MLE Sd (bias corrected)	173.1
95% Percentile of Chisquare (2k)	2.978	90% Percentile	292.4

95% Percentile	443		99% Percentile		828.6
The following statistics are computed using Gamma ROS Statistics on Imputed Data					
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods					
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	702.9	859.9	95% Approx. Gamma UPL	415.2	459
95% Gamma USL	793.9	995.8			
The following statistics are computed using gamma distribution and KM estimates					
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods					
k hat (KM)	0.276		nu hat (KM)		11.04
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	613.7	669.4	95% Approx. Gamma UPL	374	379.7
95% Gamma USL	688.6	765.3			
Lognormal GOF Test on Detected Observations Only					
Shapiro Wilk Test Statistic	0.911		**Shapiro Wilk GOF Test**		
5% Shapiro Wilk Critical Value	0.897		Detected Data appear Lognormal at 5% Significance Level		
Lilliefors Test Statistic	0.143		**Lilliefors GOF Test**		
5% Lilliefors Critical Value	0.209		Detected Data appear Lognormal at 5% Significance Level		
Detected Data appear Lognormal at 5% Significance Level					
Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects					
Mean in Original Scale	100.8		Mean in Log Scale		3.201
SD in Original Scale	197.7		SD in Log Scale		1.851
95% UTL95% Coverage	2072		95% BCA UTL95% Coverage		870
95% Bootstrap (%) UTL95% Coverage	870		95% UPL (t)		652.5
90% Percentile (z)	263.3		95% Percentile (z)		515.8
99% Percentile (z)	1821		95% USL		2789
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution					
KM Mean of Logged Data	3.348		95% KM UTL (Lognormal)95% Coverage		1231
KM SD of Logged Data	1.573		95% KM UPL (Lognormal)		461.4
95% KM Percentile Lognormal (z)	377.9		95% KM USL (Lognormal)		1585
Background DL/2 Statistics Assuming Lognormal Distribution					
Mean in Original Scale	101		Mean in Log Scale		3.279
SD in Original Scale	197.6		SD in Log Scale		1.713
95% UTL95% Coverage	1609		95% UPL (t)		552.3
90% Percentile (z)	238.5		95% Percentile (z)		444.3
99% Percentile (z)	1428		95% USL		2119
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.					
Nonparametric Distribution Free Background Statistics					
Data appear to follow a Discernible Distribution at 5% Significance Level					

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Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	870
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	839.5	95% USL	870
95% KM Chebyshev UPL	960.9		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

Pyrene

General Statistics			
Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	16		
Number of Detects	18	Number of Non-Detects	2
Number of Distinct Detects	16	Number of Distinct Non-Detects	1
Minimum Detect	4	Minimum Non-Detect	4
Maximum Detect	1500	Maximum Non-Detect	4
Variance Detected	129961	Percent Non-Detects	10%
Mean Detected	142.6	SD Detected	360.5
Mean of Detected Logged Data	3.162	SD of Detected Logged Data	1.746
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.441	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.897	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.391	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.209	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	128.8	SD	335
95% UTL95% Coverage	931.3	95% KM UPL (t)	722.2
90% KM Percentile (z)	558	95% KM Percentile (z)	679.7
99% KM Percentile (z)	908	95% KM USL	985.1
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	128.6	SD	343.7
95% UTL95% Coverage	952.1	95% UPL (t)	737.6

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90% Percentile (z)	569.1	95% Percentile (z)	693.9
99% Percentile (z)	928.2	95% USL	1007
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	2.049	Anderson-Darling GOF Test	
5% A-D Critical Value	0.827	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.309	Kolmogrov-Smirnoff GOF	
5% K-S Critical Value	0.219	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.37	k star (bias corrected MLE)	0.346
Theta hat (MLE)	384.9	Theta star (bias corrected MLE)	412.5
nu hat (MLE)	13.34	nu star (bias corrected)	12.45
MLE Mean (bias corrected)	142.6		
MLE Sd (bias corrected)	242.5	95% Percentile of Chisquare (2k)	3.019
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	128.4
Maximum	1500	Median	10.5
SD	343.8	CV	2.679
k hat (MLE)	0.282	k star (bias corrected MLE)	0.273
Theta hat (MLE)	455.1	Theta star (bias corrected MLE)	470
nu hat (MLE)	11.28	nu star (bias corrected)	10.92
MLE Mean (bias corrected)	128.4	MLE Sd (bias corrected)	245.6
95% Percentile of Chisquare (2k)	2.574	90% Percentile	382.4
95% Percentile	604.8	99% Percentile	1190
The following statistics are computed using Gamma ROS Statistics on Imputed Data			
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods			
	WH	HW	
95% Approx. Gamma UTL with 95% Coverage	883.6	987.4	95% Approx. Gamma UPL 495.8 499.1
95% Gamma USL	1008	1157	
The following statistics are computed using gamma distribution and KM estimates			
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods			
k hat (KM)	0.148	nu hat (KM)	5.91
	WH	HW	WH HW
95% Approx. Gamma UTL with 95% Coverage	797.5	816.5	95% Approx. Gamma UPL 458.7 433.4
95% Gamma USL	905.6	946.7	

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Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.864	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.897	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.189	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.209	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Approximate Lognormal at 5% Significance Level			
Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects			
Mean in Original Scale	128.4	Mean in Log Scale	2.761
SD in Original Scale	343.8	SD in Log Scale	2.064
95% UTL95% Coverage	2223	95% BCA UTL95% Coverage	1500
95% Bootstrap (%) UTL95% Coverage	1500	95% UPL (t)	613
90% Percentile (z)	222.8	95% Percentile (z)	471.7
99% Percentile (z)	1925	95% USL	3097
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean of Logged Data	2.984	95% KM UTL (Lognormal)95% Coverage	1148
KM SD of Logged Data	1.695	95% KM UPL (Lognormal)	398.6
95% KM Percentile Lognormal (z)	321.4	95% KM USL (Lognormal)	1508
Background DL/2 Statistics Assuming Lognormal Distribution			
Mean in Original Scale	128.6	Mean in Log Scale	2.915
SD in Original Scale	343.7	SD in Log Scale	1.818
95% UTL95% Coverage	1437	95% UPL (t)	462
90% Percentile (z)	189.5	95% Percentile (z)	366.8
99% Percentile (z)	1266	95% USL	1924
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.			
Nonparametric Distribution Free Background Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	1500
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	1450	95% USL	1500
95% KM Chebyshev UPL	1625		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
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General Statistics			
Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	20		
Number of Detects	19	Number of Non-Detects	1
Number of Distinct Detects	19	Number of Distinct Non-Detects	1
Minimum Detect	0.329	Minimum Non-Detect	0.112
Maximum Detect	1.96	Maximum Non-Detect	0.112
Variance Detected	0.275	Percent Non-Detects	5%
Mean Detected	0.965	SD Detected	0.524
Mean of Detected Logged Data	-0.188	SD of Detected Logged Data	0.583
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.923	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.901	Detected Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.113	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.203	Detected Data appear Normal at 5% Significance Level	
Detected Data appear Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	0.922	SD	0.531
95% UTL95% Coverage	2.194	95% KM UPL (t)	1.863
90% KM Percentile (z)	1.603	95% KM Percentile (z)	1.795
99% KM Percentile (z)	2.157	95% KM USL	2.28
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	0.919	SD	0.549
95% UTL95% Coverage	2.235	95% UPL (t)	1.892
90% Percentile (z)	1.623	95% Percentile (z)	1.823
99% Percentile (z)	2.197	95% USL	2.324
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.326	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.747	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.13	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.2	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	3.449	k star (bias corrected MLE)	2.939

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Theta hat (MLE)	0.28	Theta star (bias corrected MLE)	0.328
nu hat (MLE)	131.1	nu star (bias corrected)	111.7
MLE Mean (bias corrected)	0.965		
MLE Sd (bias corrected)	0.563	95% Percentile of Chisquare (2k)	12.41

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detected data is small such as < 0.1

For such situations, GROS method tends to yield inflated values of UCLs and BTVs

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.0709	Mean	0.92
Maximum	1.96	Median	0.827
SD	0.548	CV	0.596
k hat (MLE)	2.351	k star (bias corrected MLE)	2.032
Theta hat (MLE)	0.391	Theta star (bias corrected MLE)	0.453
nu hat (MLE)	94.05	nu star (bias corrected)	81.28
MLE Mean (bias corrected)	0.92	MLE Sd (bias corrected)	0.645
95% Percentile of Chisquare (2k)	9.591	90% Percentile	1.783
95% Percentile	2.171	99% Percentile	3.033

The following statistics are computed using Gamma ROS Statistics on Imputed Data

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	3.013	3.263	95% Approx. Gamma UPL	2.248	2.357
95% Gamma USL	3.234	3.533			

The following statistics are computed using gamma distribution and KM estimates

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

k hat (KM)		3.017	nu hat (KM)		120.7
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	2.836	3.021	95% Approx. Gamma UPL	2.145	2.222
95% Gamma USL	3.035	3.257			

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.942	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.901	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.128	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.203	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects

Mean in Original Scale	0.926	Mean in Log Scale	-0.26
SD in Original Scale	0.538	SD in Log Scale	0.652
95% UTL95% Coverage	3.678	95% BCA UTL95% Coverage	1.96
95% Bootstrap (%) UTL95% Coverage	1.96	95% UPL (t)	2.448

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90% Percentile (z)	1.779	95% Percentile (z)	2.254
99% Percentile (z)	3.515	95% USL	4.084
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean of Logged Data	-0.288	95% KM UTL (Lognormal)95% Coverage	4.053
KM SD of Logged Data	0.704	95% KM UPL (Lognormal)	2.611
95% KM Percentile Lognormal (z)	2.388	95% KM USL (Lognormal)	4.538
Background DL/2 Statistics Assuming Lognormal Distribution			
Mean in Original Scale	0.919	Mean in Log Scale	-0.323
SD in Original Scale	0.549	SD in Log Scale	0.828
95% UTL95% Coverage	5.26	95% UPL (t)	3.138
90% Percentile (z)	2.092	95% Percentile (z)	2.825
99% Percentile (z)	4.966	95% USL	6.008
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.			
Nonparametric Distribution Free Background Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	1.96
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	1.959	95% USL	1.96
95% KM Chebyshev UPL	3.294		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
Ag			
General Statistics			
Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	15		
Number of Detects	3	Number of Non-Detects	17
Number of Distinct Detects	3	Number of Distinct Non-Detects	12
Minimum Detect	0.204	Minimum Non-Detect	0.146
Maximum Detect	0.584	Maximum Non-Detect	0.182
Variance Detected	0.0374	Percent Non-Detects	85%
Mean Detected	0.373	SD Detected	0.193
Mean of Detected Logged Data	-1.078	SD of Detected Logged Data	0.526
Warning: Data set has only 3 Detected Values.			

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This is not enough to compute meaningful or reliable statistics and estimates.			
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.965	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.767	Detected Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.253	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.512	Detected Data appear Normal at 5% Significance Level	
Detected Data appear Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	0.18	SD	0.102
95% UTL95% Coverage	0.423	95% KM UPL (t)	0.36
90% KM Percentile (z)	0.31	95% KM Percentile (z)	0.347
99% KM Percentile (z)	0.416	95% KM USL	0.44
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	0.126	SD	0.124
95% UTL95% Coverage	0.422	95% UPL (t)	0.345
90% Percentile (z)	0.284	95% Percentile (z)	0.329
99% Percentile (z)	0.414	95% USL	0.442
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
Not Enough Data to Perform GOF Test			
Gamma Statistics on Detected Data Only			
k hat (MLE)	5.624	k star (bias corrected MLE)	N/A
Theta hat (MLE)	0.0663	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	33.74	nu star (bias corrected)	N/A
MLE Mean (bias corrected)	N/A		
MLE Sd (bias corrected)	N/A	95% Percentile of Chisquare (2k)	N/A
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	0.0645
Maximum	0.584	Median	0.01
SD	0.147	CV	2.282

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k hat (MLE)	0.479	k star (bias corrected MLE)	0.441
Theta hat (MLE)	0.134	Theta star (bias corrected MLE)	0.146
nu hat (MLE)	19.17	nu star (bias corrected)	17.63
MLE Mean (bias corrected)	0.0645	MLE Sd (bias corrected)	0.0971
95% Percentile of Chisquare (2k)	3.54	90% Percentile	0.179
95% Percentile	0.259	99% Percentile	0.458

The following statistics are computed using Gamma ROS Statistics on Imputed Data

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	0.389	0.387	95% Approx. Gamma UPL	0.232	0.218
95% Gamma USL	0.438	0.443			

The following statistics are computed using gamma distribution and KM estimates

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

k hat (KM)	3.144		nu hat (KM)	125.7	
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	0.394	0.39	95% Approx. Gamma UPL	0.323	0.319
95% Gamma USL	0.414	0.41			

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.998	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.767	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.188	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.512	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects

Mean in Original Scale	0.0714	Mean in Log Scale	-3.699
SD in Original Scale	0.145	SD in Log Scale	1.261
95% UTL95% Coverage	0.508	95% BCA UTL95% Coverage	0.584
95% Bootstrap (%) UTL95% Coverage	0.584	95% UPL (t)	0.231
90% Percentile (z)	0.125	95% Percentile (z)	0.197
99% Percentile (z)	0.465	95% USL	0.622

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean of Logged Data	-1.797	95% KM UTL (Lognormal)95% Coverage	0.379
KM SD of Logged Data	0.345	95% KM UPL (Lognormal)	0.306
95% KM Percentile Lognormal (z)	0.292	95% KM USL (Lognormal)	0.401

Background DL/2 Statistics Assuming Lognormal Distribution

Mean in Original Scale	0.126	Mean in Log Scale	-2.291
SD in Original Scale	0.124	SD in Log Scale	0.554
95% UTL95% Coverage	0.381	95% UPL (t)	0.27
90% Percentile (z)	0.206	95% Percentile (z)	0.251

99% Percentile (z)	0.367	95% USL	0.417
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.			
Nonparametric Distribution Free Background Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	0.584
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	0.571	95% USL	0.584
95% KM Chebyshev UPL	0.634		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
Th			
General Statistics			
Total Number of Observations	20	Number of Missing Observations	0
Number of Distinct Observations	20		
Number of Detects	19	Number of Non-Detects	1
Number of Distinct Detects	19	Number of Distinct Non-Detects	1
Minimum Detect	0.0461	Minimum Non-Detect	0.0336
Maximum Detect	0.443	Maximum Non-Detect	0.0336
Variance Detected	0.0103	Percent Non-Detects	5%
Mean Detected	0.174	SD Detected	0.102
Mean of Detected Logged Data	-1.923	SD of Detected Logged Data	0.626
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.916	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.901	Detected Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.128	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.203	Detected Data appear Normal at 5% Significance Level	
Detected Data appear Normal at 5% Significance Level			
Kaplan Meier (KM) Background Statistics Assuming Normal Distribution			
Mean	0.167	SD	0.101
95% UTL95% Coverage	0.409	95% KM UPL (t)	0.346
90% KM Percentile (z)	0.296	95% KM Percentile (z)	0.333

99% KM Percentile (z)	0.402	95% KM USL	0.425
DL/2 Substitution Background Statistics Assuming Normal Distribution			
Mean	0.166	SD	0.105
95% UTL95% Coverage	0.417	95% UPL (t)	0.352
90% Percentile (z)	0.3	95% Percentile (z)	0.338
99% Percentile (z)	0.41	95% USL	0.434
DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons			
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.429	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.748	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.128	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.2	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	3.047	k star (bias corrected MLE)	2.601
Theta hat (MLE)	0.057	Theta star (bias corrected MLE)	0.0668
nu hat (MLE)	115.8	nu star (bias corrected)	98.84
MLE Mean (bias corrected)	0.174		
MLE Sd (bias corrected)	0.108	95% Percentile of Chisquare (2k)	11.38
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	0.166
Maximum	0.443	Median	0.166
SD	0.105	CV	0.637
k hat (MLE)	2.083	k star (bias corrected MLE)	1.804
Theta hat (MLE)	0.0795	Theta star (bias corrected MLE)	0.0917
nu hat (MLE)	83.33	nu star (bias corrected)	72.17
MLE Mean (bias corrected)	0.166	MLE Sd (bias corrected)	0.123
95% Percentile of Chisquare (2k)	8.845	90% Percentile	0.33
95% Percentile	0.406	99% Percentile	0.575
The following statistics are computed using Gamma ROS Statistics on Imputed Data			
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods			
	WH	HW	WH	HW
95% Approx. Gamma UTL with 95% Coverage	0.571	0.624	95% Approx. Gamma UPL	0.421	0.444
95% Gamma USL	0.615	0.678		
The following statistics are computed using gamma distribution and KM estimates			

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Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods					
k hat (KM)		2.723	nu hat (KM)		108.9
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	0.512	0.54	95% Approx. Gamma UPL	0.387	0.398
95% Gamma USL	0.548	0.582			

Lognormal GOF Test on Detected Observations Only		
Shapiro Wilk Test Statistic	0.947	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.901	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.148	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.203	Detected Data appear Lognormal at 5% Significance Level
Detected Data appear Lognormal at 5% Significance Level		

Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects			
Mean in Original Scale	0.167	Mean in Log Scale	-2
SD in Original Scale	0.104	SD in Log Scale	0.699
95% UTL95% Coverage	0.723	95% BCA UTL95% Coverage	0.443
95% Bootstrap (%) UTL95% Coverage	0.443	95% UPL (t)	0.467
90% Percentile (z)	0.332	95% Percentile (z)	0.427
99% Percentile (z)	0.688	95% USL	0.809

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean of Logged Data	-1.997	95% KM UTL (Lognormal)95% Coverage	0.684
KM SD of Logged Data	0.675	95% KM UPL (Lognormal)	0.449
95% KM Percentile Lognormal (z)	0.412	95% KM USL (Lognormal)	0.763

Background DL/2 Statistics Assuming Lognormal Distribution			
Mean in Original Scale	0.166	Mean in Log Scale	-2.031
SD in Original Scale	0.105	SD in Log Scale	0.778
95% UTL95% Coverage	0.846	95% UPL (t)	0.521
90% Percentile (z)	0.356	95% Percentile (z)	0.472
99% Percentile (z)	0.802	95% USL	0.959
DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.			

Nonparametric Distribution Free Background Statistics
Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)			
Order of Statistic, r	20	95% UTL with95% Coverage	0.443
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% UPL	0.436	95% USL	0.443
95% KM Chebyshev UPL	0.618		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background

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data set free of outliers and consists of observations collected from clean unimpacted locations.
The use of USL tends to provide a balance between false positives and false negatives provided the data
represents a background data set and when many onsite observations need to be compared with the BTV.

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	Background Statistics for Uncensored Full Data Sets
User Selected Options	
Date/Time of Computation	5/25/2015 1:43:13 PM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Coverage	95%
New or Future K Observations	1
Number of Bootstrap Operations	2000

Total TEQ 2,3,7,8-TCDD

General Statistics

Total Number of Observations	20	Number of Distinct Observations	20
Minimum	0.201	First Quartile	1.009
Second Largest	314	Median	2.532
Maximum	705.7	Third Quartile	47.32
Mean	71.24	SD	167.5
Coefficient of Variation	2.351	Skewness	3.304
Mean of logged Data	1.69	SD of logged Data	2.566

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557

Normal GOF Test

Shapiro Wilk Test Statistic	0.492	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.905	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.345	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.198	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with 95% Coverage	472.6	90% Percentile (z)	285.9
95% UPL (t)	368.1	95% Percentile (z)	346.8
95% USL	499.5	99% Percentile (z)	460.9

Gamma GOF Test

A-D Test Statistic	1.238	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.858	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.218	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.211	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

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Gamma Statistics			
k hat (MLE)	0.272	k star (bias corrected MLE)	0.264
Theta hat (MLE)	262	Theta star (bias corrected MLE)	269.4
nu hat (MLE)	10.88	nu star (bias corrected)	10.58
MLE Mean (bias corrected)	71.24	MLE Sd (bias corrected)	138.5
Background Statistics Assuming Gamma Distribution			
95% Wilson Hilferty (WH) Approx. Gamma UPL	293.6	90% Percentile	212.9
95% Hawkins Wixley (HW) Approx. Gamma UPL	301.4	95% Percentile	339
95% WH Approx. Gamma UTL with 95% Coverage	531.5	99% Percentile	672.3
95% HW Approx. Gamma UTL with 95% Coverage	612.8		
95% WH USL	608.6	95% HW USL	721.9
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.927	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.174	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Lognormal at 5% Significance Level	
Data appear Lognormal at 5% Significance Level			
Background Statistics assuming Lognormal Distribution			
95% UTL with 95% Coverage	2534	90% Percentile (z)	145.2
95% UPL (t)	510.8	95% Percentile (z)	368.7
95% USL	3826	99% Percentile (z)	2119
Nonparametric Distribution Free Background Statistics			
Data appear Lognormal at 5% Significance Level			
Nonparametric Upper Limits for Background Threshold Values			
Order of Statistic, r	20	95% UTL with 95% Coverage	705.7
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% Percentile Bootstrap UTL with 95% Coverage	705.7	95% BCA Bootstrap UTL with 95% Coverage	705.7
95% UPL	686.1	90% Percentile	153
90% Chebyshev UPL	586.2	95% Percentile	333.5
95% Chebyshev UPL	819.5	99% Percentile	631.3
95% USL	705.7		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			
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General Statistics			
Total Number of Observations	20	Number of Distinct Observations	20
Minimum	0.00246	First Quartile	0.035
Second Largest	0.24	Median	0.061
Maximum	0.292	Third Quartile	0.109
Mean	0.0881	SD	0.0791
Coefficient of Variation	0.897	Skewness	1.374
Mean of logged Data	-2.872	SD of logged Data	1.11
Critical Values for Background Threshold Values (BTVs)			
Tolerance Factor K (For UTL)	2.396	d2max (for USL)	2.557
Normal GOF Test			
Shapiro Wilk Test Statistic	0.849	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.214	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Background Statistics Assuming Normal Distribution			
95% UTL with 95% Coverage	0.278	90% Percentile (z)	0.189
95% UPL (t)	0.228	95% Percentile (z)	0.218
95% USL	0.29	99% Percentile (z)	0.272
Gamma GOF Test			
A-D Test Statistic	0.194	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.762	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.107	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.198	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	1.269	k star (bias corrected MLE)	1.112
Theta hat (MLE)	0.0695	Theta star (bias corrected MLE)	0.0793
nu hat (MLE)	50.75	nu star (bias corrected)	44.47
MLE Mean (bias corrected)	0.0881	MLE Sd (bias corrected)	0.0836
Background Statistics Assuming Gamma Distribution			
95% Wilson Hilferty (WH) Approx. Gamma UPL	0.265	90% Percentile	0.198
95% Hawkins Wixley (HW) Approx. Gamma UPL	0.281	95% Percentile	0.254
95% WH Approx. Gamma UTL with 95% Coverage	0.381	99% Percentile	0.385
95% HW Approx. Gamma UTL with 95% Coverage	0.424		

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95% WH USL	0.416	95% HW USL	0.469
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.936	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.136	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Lognormal at 5% Significance Level	
Data appear Lognormal at 5% Significance Level			
Background Statistics assuming Lognormal Distribution			
95% UTL with 95% Coverage	0.809	90% Percentile (z)	0.235
95% UPL (t)	0.405	95% Percentile (z)	0.351
95% USL	0.967	99% Percentile (z)	0.749
Nonparametric Distribution Free Background Statistics			
Data appear Gamma Distributed at 5% Significance Level			
Nonparametric Upper Limits for Background Threshold Values			
Order of Statistic, r	20	95% UTL with 95% Coverage	0.292
Approximate f	1.053	Confidence Coefficient (CC) achieved by UTL	0.642
95% Percentile Bootstrap UTL with 95% Coverage	0.292	95% BCA Bootstrap UTL with 95% Coverage	0.292
95% UPL	0.289	90% Percentile	0.201
90% Chebyshev UPL	0.331	95% Percentile	0.242
95% Chebyshev UPL	0.441	99% Percentile	0.282
95% USL	0.292		
Note: The use of USL to estimate a BTV is recommended only when the data set represents a background			
data set free of outliers and consists of observations collected from clean unimpacted locations.			
The use of USL tends to provide a balance between false positives and false negatives provided the data			
represents a background data set and when many onsite observations need to be compared with the BTV.			