PHASE II
INVESTIGATION REPORT

AREA B: PARCEL B22
TRADEPOINT ATLANTIC
SPARROWS POINT, MARYLAND

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1.0 INTRODUCTION

ARM Group Inc. (ARM), on behalf of EnviroAnalytics Group (EAG), has completed a Phase II Investigation of a portion of the Tradepoint Atlantic property (formerly Sparrows Point Terminal, LLC) that has been designated as Area B: Parcel B22 (the Site). Parcel B22 is comprised of 130.8 acres of the approximately 3,100-acre former steel facility (**Figure 1**). The Site is bounded to the west by the majority of the former Continuous Cold Tin Mill facilities (currently designated as Parcel B21), to the north by the Tin Mill Canal (currently designated as Parcel B16), to the east by the majority of the former Hot Strip Mill facilities (currently designated as Parcel B6), and to the south by the current Tradepoint Atlantic main offices (currently designated as Parcels B2 and B3).

The southern and eastern portions of the Site has undergone industrial redevelopment as noted in the Response and Development Work Plan for Area B: Parcel B22, Phase 1 (Under Armour Warehouse Facility), Revision 5 dated March 28, 2017 (updated April 11, 2017) and the Response and Development Work Plan for the Area B: Sub-Parcel B6-1 (Amazon Warehouse Facility), Revision 2 dated July 7, 2017. Development activities in Parcel B22 include grading, asphalt paving, construction of a slab on grade warehouse building and office building, stormwater management, and lighting and security improvements. The remainder of Parcel B22 is proposed for future industrial redevelopment.

The Phase II Investigation was performed in accordance with procedures outlined in the Phase II Investigation Work Plan – Area B: Parcel B22. This Work Plan (dated June 2, 2016) was approved by the Maryland Department of the Environment (MDE) and the United States Environmental Protection Agency (USEPA) via email on June 16, 2016 in compliance with requirements pursuant to the following:

- Administrative Consent Order (ACO) between Tradepoint Atlantic (formerly Sparrows Point Terminal, LLC) and the MDE, effective September 12, 2014; and
- Settlement Agreement and Covenant Not to Sue (SA) between Tradepoint Atlantic (formerly Sparrows Point Terminal, LLC) and the USEPA, effective November 25, 2014.

An application to enter the Tradepoint Atlantic property into the Maryland Department of the Environment Voluntary Cleanup Program (MDE-VCP) was submitted to MDE and delivered on June 27, 2014. The property's current and anticipated future use is Tier 3 (Industrial), and plans for the property include demolition and redevelopment over the next several years. Parcel B22 (with the exception of 23 acres located furthest south) is also part of the acreage that remains subject to the requirements of the Multimedia Consent Decree between Bethlehem Steel Corporation, the USEPA, and the MDE (effective October 8, 1997) as documented in correspondence received from USEPA on September 12, 2014.

1.1. SITE HISTORY

From the late 1800s until 2012, the production and manufacturing of steel was conducted at Sparrows Point. Iron and steel production operations and processes at Sparrows Point included raw material handling, coke production, sinter production, iron production, steel production, and semi-finished and finished product preparation. In 1970, Sparrows Point was the largest steel facility in the United States, producing hot and cold rolled sheets, coated materials, pipes, plates, and rod and wire. The steel making operations at Sparrows Point ceased in fall 2012.

Parcel B22 was formerly occupied by the following major facilities: the Continuous Cold Tin Mill (partial), the Hot Strip Mill Area (partial), and the Finishing Mills Area, each containing numerous steel product manufacturing operations. The parcel also included processing and shipping buildings and Palm Oil Recovery, Inc. (PORI) facilities. All historical buildings have been demolished. Pits and basements across the Site have been filled in.

Several iron and steel work processes were completed within the boundary of Parcel B22. Descriptions of the facilities and processes are provided below:

Hot Strip Mill:

Slabs were transferred to the Hot Strip Mill, often following preparation steps which could include slitting (to alter the size) or scarfing (to remove surface defects). Prepared slabs were transported to reheat furnaces, where they were heated and soaked until achieving a rolling temperature of approximately 2,200 degrees F. Heated slabs left the furnace and were descaled with high pressure water to remove iron oxides, then rolled into hot bands of specific size and gauge. The bands were water cooled and coiled for sale or further processing. The furnaces used a combination of natural gas, No. 6 fuel oil, and/or on-specification used oil.

Tin Mill Facilities:

The No. 3 Pickler removed scale from steel bands received from the Hot Strip Mill by using both mechanical descaling and chemical descaling. Five pickling tanks were used to chemically descale the sheet with a sulfuric acid pickling solution. After picking, the strip was rinsed, dried, slit, oiled, and transferred to the 48" Tandem Mill for further processing.

The 48" Tandem Mill reduced the steel strip in thickness, produced a smooth/dense surface, and developed the required metallurgical properties. The Tandem Mill received product, uncoiled it, and processed it through roll stands. Coils were typically delivered to either the No. 6 Washer or the No. 5 Continuous Anneal operation, or shipped directly to customers. An oil/water emulsion was applied during rolling.

The No. 6 Washer was used to clean strips from the Tandem Mills with a caustic solution before annealing. The strip was first uncoiled and welded to the previous strip and fed into a caustic

wash tank. After the caustic wash, the strip was fed into a scrubber tank equipped with brushes for cleaning. The strip was then rinsed, dried, and rewound into a coil for transport to the Box Anneal Furnaces.

The Box Annealing facility annealed coils to varying degrees of hardness determined by the customer's end use. Coils were stacked on a pedestal and capped by an inner cover. The portable Box Annealing furnace was placed over the base, and natural gas flow was started and ignited.

Depending on the customer's requirements for hardness and plating, cold-reduced strip may have required annealing. The No. 5 Continuous Anneal combined the caustic cleaning process with continuous annealing. The strip was uncoiled, welded to the previous strip and fed into a caustic wash tank. After the caustic wash, the strip was fed into a tank equipped with brushes for cleaning. The strip was rinsed, dried, and fed to the annealing furnace. After annealing, the strip was cooled and rewound into a coil for further processing.

Product from the No. 5 Continuous Anneal and the batch Box Annealing operation was delivered to the No. 6 Skin Pass Mill. The No. 6 Skin Pass Mill reduced the gauge, tempered the steel, and prepared the surface of the strip for finishing.

The No. 3 Duo Mill was used to reduce the thickness of the annealed strip and temper the steel. Materials used in the process included rolling oil and a rust-inhibitor solution.

Three Coil Preparation Lines were used in the Tin Mill Department to prepare the final product for packaging and shipping. These lines received coils from the plating lines and trimmed the coils or removed defective sections. A percentage of No. 5 Coil Preparation Line product was oiled for protection of the steel during storage and shipment. All coil-preparation lines could occasionally rewind coils as necessary for the other Tin Mill Operating Units.

The No. 1 Tin Plate Line applied a tin coating to a prepared coil. The strip first entered an alkaline cleaning section, which consisted of a caustic bath followed by a water rinse. The strip then passed through a sulfuric acid pickling bath and a water rinse to prepare the surface for coating. The alkaline cleaning, pickling, plating and chemical treatment areas were served by individual scrubbers. The strip then entered an electroplating bath where the strip was plated with tin. The strip was hot-rinsed, quenched and conveyed to the chemical-treatment area, where the strip surface was passivated with dichromate solution. The strip was then cleaned and transported for shipment. The No. 2 Tin Plate Line also applied a tin coating to a prepared coil through a very similar process.

In the No. 8 Chrome Line, the strip was plated with chrome. The strip was first cleaned using caustic solution and then pickled using a sulfuric acid solution. Once the strip was rinsed, it was chrome plated. Inert anodes were used to plate chrome from chromic acid onto the strip. Chrome passivation was used as a second treatment stage.

Cold Sheet Mill Facilities:

Finished steel was produced in various portions of the Site at the Cold Sheet Mill. These mills generated various steel products, all to customer specifications, including cold-rolled sheets. Some of the products were galvanized, coated with corrosion-resistant alloys (i.e., galvalume or chrome), or tin-plated at the Coating Lines located in the Cold Sheet Mill and the Tin Mill.

The Pickling Line prepared hot bands from the Hot Strip Mill for further processing in the Tandem Mill. Steel was uncoiled, welded to the previous band and the scale broken before sending it through a continuous bath of sulfuric acid pickling solution. Acid flowed countercurrent with the strip and was removed at the entry end of the pickler. The strip was then rinsed and dried and may have been oiled and then re-coiled, or could be passed directly to the Tandem Mill.

The Tandem Mill reduced the thickness of the strip, produced a smooth, dense surface and developed the required metallurgical properties of the steel. It received strip directly from the pickling operation passing it through a five-stand continuous mill arrangement. After rolling, it was rewound into a coil for shipment to final customers, to the annealing operations, and/or coating operations.

Coating Lines:

No. 1 Galvanize Line process involved heat treating, chemical treatment, and coating with a molten zinc. Prepared coils were delivered to the coating lines in coil form. The sheet was uncoiled before entering the direct-fired natural-gas furnace for annealing. Residual oil and fines on the surface of the sheet steel were burned in the process. After the strip was annealed, it passed through an electrically heated holding furnace, which served as a soaking operation. The sheet then passed through a molten-metal coating bath. The coated strip passed through a wiper to control coating thickness before cooling. Depending on the end use of the strip, a chrome oxide layer may have been applied in a chrome passivation process to prevent oxidation. The strip was dried, and, depending on end use, could be oiled for downstream processing and prevention of oxidation. After chemical treatment, the strips were either shipped off the site or further processed.

The No. 2 Galvanize Line applied a zinc coating to a heat-treated and prepared coil from the Cold Sheet Mill. The strip was uncoiled and prepared by annealing and heat soaking prior to coating with molten zinc. From the coating bath, the coated strip passed through a wiper to control coating thickness before cooling. The strip was then passed through another annealing furnace before being cooled, leveled and conveyed to a chemical-treatment area where the strip could be passivated with dichromate solution. The strip was dried and oiled, then coiled and packaged for shipment.

The No. 3 Galvalume Line applied a zinc/aluminum coating to a heat-treated and prepared coil. Preparation may have consisted of strip caustic cleaning, preheating and annealing, then heat soaking prior to coating with molten zinc/aluminum. From the coating bath, the coated strip passed through a wiper to control coating thickness before cooling. The strip was leveled and conveyed to a chemical-treatment area where it could be coated with acrylic or passivated with dichromate solution. The strip was then dried and could be oiled or coiled before shipment.

The No. 4 Hot Dip Coating Line could make either galvanized and Galvalume product. Coils from the Tandem Mill were transferred to the No. 4 Hot Dip Coating Line where they were uncoiled. They may have been caustically cleaned to remove fines and oils, and were annealed in a furnace. The sheet was then coated with a mixture of liquid aluminum/zinc alloy or liquid zinc. Air knives controlled coating thickness by removing excess from the strip. The coated strip was then cooled and quenched. The strip could be chemically treated with dichromate solution or acrylic polymer. An electrically heated hot-air drier was used immediately after passivation. The strip was then oiled and/or recoiled prior to shipment off the site.

1.2. OBJECTIVES

The objective of this Phase II Investigation was to fully characterize the nature and extent of contamination at the Site. A summary table of the site investigation locations, including the boring identification numbers and the analyses performed, is provided as **Appendix A**. This report includes a summary of the work performed, including the environmental setting, site investigation methods, analytical results and data usability assessment, and findings and recommendations.

As specified in the approved Work Plan for Parcel B22, groundwater at the Site was investigated as described in the separate Area B Groundwater Investigation Work Plan (dated October 6, 2015) and the separate Finishing Mills Groundwater Investigation Work Plan (dated July 7, 2016). The final versions of these Work Plans were approved by the agencies on October 5, 2015 and June 28, 2016, respectively. The Area B Groundwater Phase II Investigation Report (Revision 0 dated September 30, 2016) and the Finishing Mills Groundwater Phase II Investigation Report (Revision 0 dated November 30, 2016) have been submitted to the agencies and discuss the detailed findings of each groundwater investigation.

2.0 ENVIRONMENTAL SETTING

2.1. LAND USE AND SURFACE FEATURES

The Tradepoint Atlantic property consists of the former Sparrows Point steel mill facility. According to the Phase I Environmental Site Assessment (ESA) prepared by Weaver Boos dated May 19, 2014, the property is zoned Manufacturing Heavy-Industrial Major (MH-IM). Surrounding property zoning classifications (beyond Tradepoint Atlantic) include the following: Manufacturing Light (ML); Resource Conservation (RC); Density Residential (DR); Business Roadside (BR); Business Major (BM); Business Local (BL); and Residential Office (RO). Light industrial and commercial properties are located northeast of the property and northwest of the property across Bear Creek. Residential areas of Edgemere and Fort Howard are located northeast of the property across Jones Creek and to the southeast across Old Road Bay, respectively. Residential and commercial areas of Dundalk are located northwest of the property across Bear Creek.

According to topographic maps provided by EAG (prior to recent development), the Site is at an elevation of approximately 12 feet above mean sea level (amsl). Elevations in the parcel are fairly uniform between 11 and 13 feet amsl over the majority of the central parcel area. Elevations across the Site appear to slope downward slightly to the north, with higher elevations between 13 and 16 feet amsl typical near the southern end of the parcel and lower elevations between 9 and 11 feet amsl typical near the northern end of the parcel. Beyond the northern edge, the parcel slopes sharply downward to the adjacent Tin Mill Canal. Elevations at the Site range from approximately 2 feet amsl within the PORI Lagoon up to approximately 16 feet amsl at several high points (open areas near the southern boundary). Surface runoff generally flows from the south to the north based on the observed elevations. Parcel B22 includes stormwater sewer infrastructure that directs runoff to the Humphrey Creek Wastewater Treatment Plant (HCWWTP). According to Figure B-2 of the Stormwater Pollution Prevention Plan (SWPPP) Revision 6 dated February 22, 2018, surface waters which are collected and treated at the HCWWTP ultimately flow through National Pollutant Discharge Elimination System (NPDES) permitted Outfall 014, which discharges to Bear Creek.

2.2. REGIONAL GEOLOGY

The Site is located within the Atlantic Coastal Plain Physiographic Province (Coastal Plain). The western boundary of the Coastal Plain is the "Fall Line", which separates the Coastal Plain from the Piedmont Plateau Province. The Fall Line runs from northeast to southwest along the western boundary of the Chesapeake Bay, passing through Elkton (MD), Havre de Grace (MD), Baltimore City (MD), and Laurel (MD). The eastern boundary of the Coastal Plain is the off-shore Continental Shelf.

The unconsolidated sediments beneath the Site belong to the Talbot Formation (Pleistocene), which is then underlain by the Cretaceous formations which comprise the Potomac Group (Patapsco Formation, Arundel Formation, and the Patuxent Formation). The Potomac Group formations are comprised of unconsolidated sediments of varying thicknesses and types, which may be several hundred feet to several thousand feet thick. These unconsolidated formations may overlie deeper Mesozoic and/or Precambrian bedrock. Depth to bedrock is approximately 700 feet within the Site.

2.3. SITE GEOLOGY

Groundcover at the Site is comprised of approximately 72% natural soils and 28% fill materials based on the approximate shoreline of the Sparrows Point Peninsula in 1916, as shown on **Figure 2** (adapted from Figure 2-20 on the Description of Current Conditions (DCC) Report prepared by Rust Environment and Infrastructure, dated January 1998).

In general, the encountered subsurface geology included fill materials overlying natural soils, which included fine-grained sediments (clays and silts) and coarse-grained sediments (sands). Groundwater was observed within the soil cores at initial depths ranging from 2.5 to 18 feet below the ground surface (bgs) across the Site; however, groundwater was not encountered at every boring location. Soil boring observation logs are provided in **Appendix B**. Please note that unless otherwise indicated, all Unified Soil Classification System (USCS) group symbols provided on the attached boring logs are from visual observations, and not from laboratory testing.

3.0 SITE INVESTIGATION

A total of 387 soil samples (from 180 boring locations) were collected for analysis between May 16, 2016 and July 14, 2016 as part of the Parcel B22 Phase II Investigation. This Phase II Investigation utilized methods and protocols that followed the procedures included in the Quality Assurance Project Plan (QAPP) dated October 2, 2015 (updated April 5, 2016) which was approved by the agencies to support the investigation and remediation of the Tradepoint Atlantic property. Information regarding the project organization, field activities and sampling methods, sampling equipment, sample handling and management procedures, the selected laboratory and analytical methods, quality control and quality assurance procedures, investigation-derived waste (IDW) management methods, and reporting requirements are described in detail in the approved Parcel B22 Work Plan dated June 2, 2016, and the QAPP.

All site characterization activities were conducted under the site-specific health and safety plan (HASP) provided as Appendix B of the submitted Work Plan.

3.1. SAMPLE TARGET IDENTIFICATION

Previous activities within and around the buildings and facilities located on the Tradepoint Atlantic property may have been historical sources of environmental contamination. If present, source areas were identified as targets for sampling through a careful review of historical documents. When a sampling target was identified, a boring was placed at or next to its location using Geographic Information Systems (GIS) software (ArcMap Version 10.2.2).

Sampling targets included, as applicable, 1) Recognized Environmental Conditions (RECs) shown on the REC Location Map provided in Weaver Boos' Phase I ESA, 2) additional findings (non-RECs) from the Phase I ESA which were identified as potential environmental concerns, and 3) Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) identified from the DCC Report prepared by Rust Environment and Infrastructure. The following RECs were identified in the Parcel B22 Work Plan: Coating Lines Blind Sumps (REC 1I, Finding 19, also listed as SWMU 54); Cold Sheet Mill Piping (REC 1J, Finding 23, also listed as SWMU 58); Tandem Mill Trench System (REC 1K, Finding 24, also listed as SWMU 59); PORI Oil/Water Separator (REC 1O, Finding 36, also listed as SWMU 71); PORI Holding Tank (REC 1P, Finding 37, also listed as SWMU 72); PORI Lagoon (REC 1Q, Finding 38, also listed as SWMU 73); Acid Tanks (REC 1V, Finding 53, also listed as AOC J); Tin Mill Sump (Acid Monitoring Area) (REC 1S, Finding 41, also listed as SWMU 86); Spent Pickle Liquor Tanks (REC 1W, Finding 58, also listed as AOC W); Spent Pickle Liquor Sump/Trench System (REC 1U, Finding 48, also listed as SWMU 198); and Hot Strip Mill Drum Handling Area (REC 1Y, Finding 60).

In addition to the listed RECs, the Hot Strip Mill was generally observed by Weaver Boos to be heavily stained with petroleum products, with varying ground surface conditions. This entire

facility area was classified as a REC. All of the SWMUs within the Parcel B22 boundary are cross-listed as RECs, and have been previously discussed. Additional AOCs were present within the parcel boundary, and were included as sampling targets. The following AOCs were identified within the parcel: Former 1991 PCB Spill Area (AOC A); Former PCB Spill Area (Sheet Mill) (AOC D); Truck Dock #9 Former Diesel Spill and Diesel Fuel UST Area (AOC K); Former Chromic Acid Spill Area (AOC S); Former Diesel Fuel UST (Cold Sheet Mill) (AOC T); and Former Spent Pickle Liquor Tanks (AOC V).

Four sets of historical drawings were also reviewed to identify potential sampling targets for the Site. These drawings included the 5000 Set (Plant Arrangement), the 5100 Set (Plant Index), the 5500 Set (Plant Sewer Lines), and a set of drawings indicating coke oven gas distribution drip leg locations. Drip legs are points throughout the distribution system where coke oven gas condensate was removed from the gas pipelines. The condensate from the drip legs was typically discharged to drums, although it is possible some spilled out of the drums and on to the ground. A summary of the specific drawings covering the Site is presented in **Table 1**. Sampling target locations were identified if the historical drawings depicted industrial activities or a specific feature at a location that may have been a source of environmental contamination that potentially impacted the Site.

Based on the review of plant drawings (or based on direct agency guidance), additional non-REC sampling targets were identified at the Site that included the following: Electric Sub-Stations, Electric Transformer, Fuel Department; Fuel Station (Tractor), Grease Trap, Lube Oil Rooms/Shops, Oil Houses, Mech. Maintenance Shop, Fuel/Gas Pump Houses, SAH Sewer Pump Station, Scale Pits, Slab Storage Area, Acid Tanks Caustic Tanks, Fuel/Oil Tanks, Palm Oil Tanks, and Unknown Contents Tanks. ARM received a list and figure of former PCB-containing transformer equipment from Tradepoint Atlantic personnel, for inclusion as additional targets. A summary of the areas that were investigated, along with the boring identification numbers and the analyses performed, has been provided as **Appendix A**. Additional sample locations were distributed to fill in large spatial gaps between proposed borings to provide complete coverage of the Site. During the completion of fieldwork, it was necessary to shift some borings from the approved locations given in the Work Plan, primarily due to access restrictions and/or refusal. **Table 2** provides the identification numbers of the field adjusted borings, the coordinates of the proposed and final locations, and the distance/direction of the shifts.

The density of soil borings met the requirements set forth in QAPP Worksheet 17 – Sampling Design and Rationale. Parcel B22 contained a total of approximately 130.8 acres: 26.6 acres without engineered barriers and 104.2 acres with engineered barriers (roads, parking, and building slabs). In accordance with the relevant sampling density requirements, a minimum of 18 soil borings were required to cover the area without engineered barriers, and a minimum of 20 soil borings were required to cover areas with engineered barriers. A total of 38 borings were required to meet the density specification; however, 180 soil borings were completed during the Phase II Investigation.

3.2. SOIL INVESTIGATION

Continuous core soil borings were advanced at 180 locations across the Site to assess the presence or absence of soil contamination, and to assess the vertical distribution of any encountered contamination (**Figure 3**). This includes the 179 soil borings specified in the Work Plan and one supplemental soil boring (B22-039A-SB). The continuous core soil borings were advanced to depths between 3 and 30 feet bgs, with typical total depths of roughly 10 feet bgs, using the Geoprobe® MC-7 Macrocore soil sampler (surface to 10 feet bgs) and the Geoprobe® D-22 Dual-Tube Sampler (depths >10 feet bgs). At each location, each soil core was visually inspected and screened with a hand-held photoionization detector (PID) prior to logging soil types. Soil boring logs have been included as **Appendix B,** and the PID calibration log has been included as **Appendix C**. Unless otherwise indicated, all USCS group symbols provided on the attached boring logs are from visual observations.

One shallow sample was collected from the 0 to 1 foot depth interval, and a deeper sample was collected from the 4 to 5 foot depth interval from each continuous core soil boring. If clean surface cover materials (such as paving or gravel) were present, the first 1 foot of fine-grained material beneath this layer was collected as the surface sample. If the PID or other field observations indicated contamination to exist at a depth greater than 3 feet bgs but less than 9 feet bgs, and above the water table, the sample from the deeper 4 to 5 foot interval was shifted to the alternate depth interval. It should be noted that soil samples were not collected from a depth that was below the water table. One additional set of samples was also collected from the 9 to 10 foot depth interval if groundwater had not been encountered; however, these samples were held by the laboratory pending the analysis of the 0 to 1 and 4 to 5 foot depth interval samples, and were only analyzed for parameters that were detected in the 5 foot bgs (or field adjusted) samples at concentrations above the Project Action Limits (PALs).

Soil sampling activities were conducted in accordance with the procedures and methods referenced in **Field Standard Operating Procedure (SOP) Numbers 008, 009, 012, and 013** provided in Appendix A of the QAPP. Down-hole soil sampling equipment was decontaminated after soil sampling had been concluded at a location, according to the procedures and methods referenced in **Field SOP Number 016** provided in Appendix A of the QAPP.

Soil samples were submitted to Pace Analytical Services, Inc. (PACE) and analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) via USEPA Method 8260B, TCL semi-volatile organic compounds (SVOCs) via USEPA Methods 8270D and 8270D SIM, Target Analyte List (TAL) Metals via 6010C and 7471C, hexavalent chromium via USEPA Method 7196A, cyanide via USEPA Method 9012, and total petroleum hydrocarbon (TPH) diesel range organics (DRO) and gasoline range organics (GRO) via USEPA Methods 8015B and 8015D. Additionally, the shallow soil samples collected across the Site from the 0 to 1 foot bgs interval were also analyzed for polychlorinated biphenyls (PCBs) via USEPA Method 8082. The Work

Plan requirements for analysis of TPH-DRO/GRO and/or Oil & Grease have evolved throughout the investigation process and changed several times since late-2015 under agency guidance. During the implementation of the Parcel B22 Work Plan, TPH-DRO/GRO analysis was required at every location, but Oil & Grease analysis was not required or completed. Sample containers, preservatives, and holding times for the sample analyses are listed in the QAPP Worksheet 19 & 30 – Sample Containers, Preservation, and Holding Times.

3.3. MANAGEMENT OF INVESTIGATION-DERIVED WASTES (IDW)

In accordance with **Field SOP Number 005** provided in Appendix A of the QAPP, potentially impacted materials, or IDW, generated during this Phase II Investigation were containerized in 55-gallon (DOT-UN1A2) drums. The types of IDW that were generated during this Phase II Investigation included the following:

- soil cuttings generated from installation of soil borings or temporary groundwater points;
- decontamination fluids; and
- used personal protective equipment

Following the completion of field activities, a composite sample was gathered from the Parcel B22 Phase II IDW soil drums for waste characterization. Following this analysis, the waste soil was characterized as non-hazardous. A list of all results from the soil waste characterization procedure can be found in **Table 3**. IDW drums containing aqueous materials (including aqueous waste generated during the Parcel B22 Phase II Investigation) were characterized by preparing a composite sample from randomly selected drums. The composite sample included aliquots from several individual drums that were chosen as a subset of the aqueous drums being staged on-site at the date of collection. Following this analysis, the aqueous waste was characterized as non-hazardous. A list of all results from the aqueous waste characterization procedure can be found in **Table 4**.

The parcel specific IDW drum log from the Phase II investigation is included as **Appendix D**. All IDW procedures were carried out in accordance with methods referenced in the QAPP Worksheet 21 – Field SOPs and Appendix A of the QAPP.

4.0 ANALYTICAL RESULTS

4.1. SOIL CONDITIONS

Soil analytical results were screened against PALs established in the property-wide QAPP (or other direct guidance from the agencies; i.e. TPH-DRO/GRO) to determine PAL exceedances. PALs are generally based on the USEPA's Regional Screening Levels (RSLs) for the Composite Worker exposure to soil. The Composite Worker is defined by the USEPA as a long-term receptor exposed during the workday who is a full-time employee that spends most of the workday conducting maintenance activities (which typically involve on-site exposures to surface soils) outdoors.

The analytical results for the detected parameters are summarized and compared to the PALs in **Table 5** (Organics) and **Table 6** (Inorganics). The laboratory Certificates of Analysis (including Chains of Custody) and Data Validation Reports (DVRs) have been included as electronic attachments. The DVRs contain a glossary of qualifiers for the final flags assigned to individual results in the attached summary tables.

4.1.1. Soil Conditions: Organic Compounds

As provided on **Table 5**, VOCs were identified above the laboratory's method detection limits (MDLs) in the soil samples collected from across the Site. However, only one VOC compound (1,1-dichloroethane) was detected above its PAL. This compound was detected in sample B22-070-SB-1 at 44.7 mg/kg, compared to the PAL of 16 mg/kg. As only one exceedance was noted, a figure to indicate the location of VOC exceedances was not deemed necessary.

Table 5 provides a summary of SVOCs detected above the laboratory's MDLs in the soil samples collected from across the Site. The PALs for relevant polynuclear aromatic hydrocarbons (PAHs) have been adjusted upward based on revised toxicity data published in the USEPA RSL Composite Worker Soil Table. Therefore, exceedances for PAHs are based on the adjusted PALs rather than those presented in the QAPP. Six SVOCs, all PAHs, were detected above their respective PALs. These SVOCs were benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, dibenz[a,h]anthracene, indeno[1,2,3-c,d]pyrene, and naphthalene. Of these SVOC exceedances, benzo[a]pyrene exceeded the PAL in the largest number of samples (28 total). The SVOC PAL exceedance locations and results have been provided on **Figure S1**.

Shallow soil samples collected across the Site from the 0 to 1 foot bgs interval were analyzed for PCBs. **Table 5** provides a summary of the PCBs detected above the laboratory's MDLs. Four PCB aroclor mixtures (Aroclor 1242, Aroclor 1248, Aroclor 1254, and Aroclor 1260) and total PCBs were detected above their respective PALs. Other aroclors without designated PALs were also detected, which contributed to the PAL exceedances for total PCBs. Total PCBs exceeded the applicable PAL at 38 individual locations. The PCB PAL exceedance locations and results

have been provided on **Figure S2**. Two soil samples (B22-028-SB-1 and B22-065-SB-1 which are associated with a former drip leg and former oil house, respectively) had detected concentrations of total PCBs which exceeded 50 mg/kg.

Table 5 provides a summary of the TPH-DRO/GRO detections above the laboratory's MDLs in the soil samples collected from across the Site. GRO was detected above the laboratory's MDL in multiple locations; however, no detections exceeded the PAL. Only DRO was detected above its PAL (6,200 mg/kg), at five locations. The maximum detection of DRO was 39,100 mg/kg, identified in sample B22-162-SB-1 which targeted a former storage tank with unknown contents. The TPH PAL exceedance locations and results have been provided on **Figure S3**. Evidence of possible NAPL was observed in the soil cores within 18 borings (B22-001-SB, B22-033-SB, B22-034-SB, B22-057-SB, B22-067-SB, B22-071-SB, B22-073-SB, B22-106-SB, B22-111-SB, B22-116-SB, B22-119-SB, B22-128-SB, B22-129-SB, B22-144-SB, B22-152-SB, B22-153-SB, B22-161-SB, and B22-163-SB). These borings are also highlighted on the TPH PAL exceedance figure, and the specific observations of NAPL are discussed in greater detail in Section 4.3 (Summary of NAPL Observations).

4.1.2. Soil Conditions: Inorganic Constituents

Table 6 provides a summary of inorganic constituents detected above the laboratory's MDLs in the soil samples collected from across the Site. Six inorganic compounds (arsenic, hexavalent chromium, lead, manganese, thallium, and vanadium) were detected above their respective PALs. Arsenic was by far the most common inorganic exceedance, and was detected above the PAL in 304 soil samples analyzed for this compound. The maximum detected concentration of arsenic was 672 mg/kg in sample B22-074-SB-1; however, a resampling event was completed at this location on July 14, 2016 and did not confirm the presence of elevated arsenic, suggesting the initial elevated detection could be anomalous. Manganese (the next most common inorganic exceedance) was detected above the PAL in 41 samples. In comparison, lead and hexavalent chromium exceeded their PALs in 16 and 11 samples, respectively, while thallium and vanadium accounted for only two PAL exceedances each. The inorganic PAL exceedance locations and results have been provided on **Figure S4**.

4.1.3. Soil Conditions: Results Summary

Table 5 and **Table 6** provide summaries of the detected organic compounds and inorganics in the soil samples submitted for laboratory analysis, and **Figure S1** through **Figure S4** present the soil boring locations and sample results that exceeded the PALs. **Table 7** provides a summary of results for all PAL exceedances in soil, including maximum values and detection frequencies. **Table 8** indicates which soil impacts (PAL exceedances) are associated with the specific targets listed in the Parcel B22 Work Plan. The PAL exceedances identified in soil samples collected from Parcel B22 consisted of six inorganics (arsenic, hexavalent chromium, lead, manganese, thallium, and vanadium), one VOC (1,1-dichloroethane), six SVOCs (benz[a]anthracene,

benzo[a]pyrene, benzo[b]fluoranthene, dibenz[a,h]anthracene, indeno[1,2,3-c,d]pyrene, and naphthalene), five PCB groups (Aroclor 1242, Aroclor 1248, Aroclor 1254, Aroclor 1260, and total PCBs), and DRO.

Lead, PCBs, and TPH-DRO/GRO are subject to special requirements as designated by the agencies: lead results above 10,000 mg/kg are subject to additional delineation (and possible excavation), PCB results above 50 mg/kg are subject to delineation and excavation, and TPH-DRO/GRO results above 6,200 mg/kg should be evaluated for the potential presence and mobility of NAPL in any future development planning:

- There were no locations where detections of lead exceeded 10,000 mg/kg, the designated threshold at which delineation would be required.

- Total PCBs exceeded the mandatory excavation criterion of 50 mg/kg in two soil samples: B22-065-SB-1 and B22-028-SB-1. Supplemental PCB delineation and excavation activities have been completed at both of these locations outside of the scope of this Phase II Investigation, as documented in the Delineation and Excavation of PCB and DRO Impacted Soil Completion Report dated December 22, 2016 and associated Comment Response Letter dated February 21, 2017.

- DRO was detected above its PAL in five soil samples (B22-070-SB-1, B22-148-SB-6, B22-152-SB-6, B22-162-SB-1, and B22-163-SB-5). Supplemental excavation activities have been completed outside of the scope of this Phase II Investigation at each of the locations with elevated DRO, as documented in the Delineation and Excavation of PCB and DRO Impacted Soil Completion Report dated December 22, 2016 and associated Comment Response Letter dated February 21, 2017. A total of 18 soil boring locations exhibited physical evidence of NAPL (free product or sheen) in the associated soil cores (B22-001-SB, B22-033-SB, B22-034-SB, B22-057-SB, B22-067-SB, B22-071-SB, B22-073-SB, B22-106-SB, B22-111-SB, B22-116-SB, B22-119-SB, B22-128-SB, B22-129-SB, B22-144-SB, B22-152-SB, B22-153-SB, B22-161-SB, and B22-163-SB). These locations are discussed in greater detail in Section 4.3 (Summary of NAPL Observations). Each identified location should be considered for proximity to proposed utilities in any future development plans.

Further details regarding the response activities to address the elevated PCB and DRO impacts are provided in the separate Delineation and Excavation of PCB and DRO Impacted Soil Completion Report dated December 22, 2016 and associated Comment Response Letter dated February 21, 2017. These response activities were completed outside of the scope of this Phase II Investigation to facilitate development of portions of Parcel B22 and the adjoining Parcel B6.

4.2. GROUNDWATER CONDITIONS – AREA B AND FINISHING MILLS INVESTIGATIONS

As specified in the approved Parcel B22 Work Plan, groundwater at the Site was investigated as described in the separate Area B Groundwater Investigation Work Plan (dated October 6, 2015) and the separate Finishing Mills Groundwater Investigation Work Plan (dated July 7, 2016). The Area B Groundwater Phase II Investigation Report (Revision 0 dated September 30, 2016) and the Finishing Mills Groundwater Phase II Investigation Report (Revision 0 dated November 30, 2016) have been submitted to discuss the detailed findings of these groundwater investigations. Groundwater results obtained during the separate investigations were screening against the PALs established in the property-wide QAPP (or other direct guidance from the agencies) to determine exceedances. The complete findings of the groundwater investigations, including detection summary tables and exceedance figures, were provided in the respective Phase II Investigation Reports. A figure summarizing the shallow aqueous PAL exceedances (for all classes of compounds) in the vicinity of Parcel B22 is provided in **Appendix E**. The groundwater analytical results obtained from the intermediate and lower hydrogeologic zones are not relevant for this Parcel B22 investigation but can be reviewed in the separate groundwater reports.

Regarding the shallow groundwater exceedances, some of the PALs have been updated since the submission of the Area B Groundwater Phase II Investigation Report and the Finishing Mills Groundwater Phase II Investigation Report. In particular, the aqueous screening levels for some PAH constituents have been adjusted upward. Similar to the evaluation of soil data, the PALs for relevant PAHs have been modified based on revised toxicity data published in the USEPA RSL Resident Tapwater Table. Aqueous PAL exceedances in the shallow groundwater in the vicinity of Parcel B22 consisted of four VOCs (1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, and chloroform), five SVOCs (1,1-biphenyl, 1,4-dioxane, benz[a]anthracene, naphthalene, and pentachlorophenol), seven total/dissolved metals (arsenic, cobalt, hexavalent chromium, iron, manganese, thallium, and vanadium), four PCB groups (dichlorobiphenyl, trichlorobiphenyl, tetrachlorobiphenyl, and total PCBs), DRO, and GRO. For simplicity, the inorganic PAL exceedances shown on the figure do not include duplicate exceedances of total and dissolved metals at relevant sample locations. If both total and dissolved concentrations exceeded the PAL for a specific compound, the value for total metals is displayed on the figure for each sample.

Each permanent well or temporary groundwater sample collection point sampled during the Area B Groundwater Investigation or the Finishing Mills Groundwater Investigation was checked for the potential presence of NAPL using an oil-water interface probe prior to sampling. During these checks, NAPL was not detected in any of the groundwater sample points completed under either investigation.

Groundwater data were also screened to determine whether any individual sample results, or cumulative results summed by sample location, may exceed the USEPA Vapor Intrusion (VI)

Screening Levels (Target Cancer Risk (TCR) of 1E-5 or Target Hazard Quotient (THQ) of 1) as determined by the Vapor Intrusion Screening Level (VISL) Calculator version 3.5 (https://www.epa.gov/vaporintrusion/vapor-intrusion-screening-levels-visls). The aqueous PALs specified in the QAPP are based upon drinking water use, which is not a potential exposure pathway for groundwater at the Site. There were no potential VI risks/hazards identified from the shallow groundwater sampling points located in the vicinity of Parcel B22. Total cyanide had previously been identified as a potential VI hazard in the Area B Groundwater Phase II Investigation Report and the Finishing Mills Groundwater Phase II Investigation Report at several locations, but the screening level for cyanide has since been adjusted upward by the USEPA, eliminating this concern.

4.3. SUMMARY OF NAPL OBSERVATIONS

During the completion of the Phase II soil borings in Parcel B22, soil cores were screened for evidence of possible NAPL contamination. During the field screening completed by ARM representatives, 18 boring locations exhibited physical evidence of NAPL. Soil borings B22-001-SB, B22-033-SB, B22-034-SB, B22-057-SB, B22-067-SB, B22-071-SB, B22-073-SB, B22-106-SB, B22-111-SB, B22-116-SB, B22-119-SB, B22-128-SB, B22-129-SB, B22-144-SB, B22-152-SB, B22-153-SB, B22-161-SB, and B22-163-SB had observations of sheen or NAPL in the soil cores, which were noted on the boring logs (**Appendix B**). In addition, elevated detections of DRO above the PAL of 6,200 mg/kg were identified in five soil samples (B22-070-SB-1, B22-148-SB-6, B22-152-SB-6, B22-162-SB-1, and B22-163-SB-5) collected across the parcel. The borings with observed physical evidence of NAPL are highlighted on **Figure S3**, along with the DRO PAL exceedances.

Generally, observations of NAPL in the soil cores warranted the installation of a temporary NAPL screening piezometer in accordance with the protocols outlined in the Parcel B22 Work Plan to assess the potential mobility of free-phase product (i.e., NAPL) in the subsurface. Based on this evaluation process, temporary screening piezometers were installed at 12 locations (B22-033-SB, B22-034-SB, B22-057-SB, B22-067-SB, B22-106-SB, B22-111-SB, B22-119-SB, B22-128-SB, B22-129-SB, B22-153-SB, B22-161-SB, and B22-163-SB) to assess the potential mobility of NAPL to groundwater. Each screening piezometer was installed according to the same specifications as the temporary groundwater sample collection points completed throughout the property. Following the installation of each NAPL screening piezometer, it was gauged using an oil-water interface probe after 0-hours, 48-hours, and at least 30-days. Piezometer construction logs for the 12 NAPL screening piezometers and gauging data from all measurement events are provided in **Appendix F** and **Appendix G**, respectively.

Additional piezometers across the study area were not deemed necessary at the remaining locations with evidence of NAPL (B22-001-SB, B22-071-SB, B22-073-SB, B22-116-SB, B22-144-SB, and B22-152-SB). Due to the abundance of piezometer installations across the

Finishing Mills area as a whole (including in Parcel B22), and the lack of measurable product in piezometers (excluding B22-128-PZ and B22-119K-PZ as discussed below), no additional action is warranted with respect to the soil borings with evidence of NAPL and/or elevated DRO analytical detections, with the exception of delineation/response activities at select locations (completed outside of the scope of this Phase II Investigation Report) as described below:

- There were elevated detections of naphthalene and benzo[a]pyrene along with evidence of NAPL in the PORI Lagoon area (B22-119-SB) that were further evaluated under the Work Plan for the Characterization of Naphthalene and Benzo[a]pyrene Impacts dated April 19, 2018. Four piezometers were initially installed in the vicinity of B22-119-SB to further investigate the PORI Lagoon area. These piezometers include B22-119-PZ, B22-119I-PZ, B22-119J-PZ, and B22-119K-PZ. During the 48-hour gauging event, a total of 0.14 feet of NAPL accumulated within the piezometer casing of B22-119K-PZ, and six additional piezometers were installed and subsequently gauged to delineate the NAPL (B22-119L-PZ through B22-119Q-PZ). No other location had accumulated NAPL during any gauging events; the gauging data are provided in **Appendix G**. The characterization activities additionally included the collection of analytical samples and completion of test pits at select locations. The findings of the characterization activities have been presented to the agencies within the separate Characterization of Naphthalene and Benzo[a]pyrene Impacts Interim Submittal dated August 8, 2019.

- Piezometer B22-128-PZ had a detection of measurable NAPL during the 48-hour gauging event with an accumulation of 0.02 feet of NAPL. A total of nine delineation piezometers were installed to assess the distribution of NAPL in the subsurface in the vicinity of B22-128-PZ; the gauging data are provided in **Appendix G**. Several locations accumulated measurable NAPL and response activities were warranted in this area. The NAPL impacts and response activities completed in this area are addressed under the separate Delineation Activities and Proposed Excavation of NAPL at B22-128-SB Letter dated June 1, 2017. NAPL-impacted soil was excavated from the vicinity of B22-128-SB in June 2017. The completed excavation will be reported in a future Response Action Completion Report.

- All five locations with elevated DRO concentrations were further addressed by remedial excavations as documented in the Delineation and Excavation of PCB and DRO Impacted Soil Completion Report dated December 22, 2016 and associated Comment Response Letter dated February 21, 2017. These locations include B22-070-SB-1 (detection of 6,620 mg/kg), B22-148-SB-6 (detection of 6,670 mg/kg), B22-152-SB-6 (detection of 6,610 mg/kg), B22-162-SB-1 (detection of 39,100 mg/kg), and B22-163-SB-5 (detection of 8,400 mg/kg).

5.0 DATA USABILITY ASSESSMENT

The approved property-wide QAPP specified a process for evaluating data usability in the context of meeting project goals. Specifically, the goal of the Phase II Investigation is to determine if potentially hazardous substances or petroleum products (VOCs, SVOCs, PCBs, Metals, cyanide, or TPH-DRO/GRO) are present in Site media (soil) at concentrations that could pose an unacceptable risk to Site receptors. Individual results are compared to the PALs established in the QAPP (i.e., the most current USEPA RSLs) or based on other direct guidance from the agencies, to identify the presence of exceedances in each environmental medium.

Quality assurance and quality control (QA/QC) samples were collected during field studies to evaluate field/laboratory variability. A summary of QA/QC samples associated with this investigation has been included as **Appendix H**. The following QA/QC samples were submitted for analysis to support the data validation:

- Trip Blank – at a rate of one per day in coolers with VOC samples
  - Soil – VOCs only
- Blind Field Duplicate – at a rate of one per twenty samples
  - Soil – VOCs, SVOCs, Metals, TPH-DRO, TPH-GRO, PCBs, hexavalent chromium, and cyanide
- Matrix Spike/Matrix Spike Duplicate – at a rate of one per twenty samples
  - Soil – VOCs, SVOCs, Metals, TPH-DRO, TPH-GRO, PCBs, and hexavalent chromium
- Field Blank and Equipment Blank – at a rate of one per twenty samples
  - Soil – VOCs, SVOCs, Metals, TPH-DRO, TPH-GRO, hexavalent chromium, and cyanide

The QA/QC samples were collected and analyzed in accordance with the QAPP Worksheet 12 – Measurement Performance Criteria, QAPP Worksheet 20 – Field Quality Control, and QAPP Worksheet 28 – Analytical Quality Control and Corrective Action.

5.1. DATA VERIFICATION

A verification review was performed on documentation generated during sample collection and analysis. The verification included a review of field log books, field data sheets, and Chain of Custody forms to ensure that all planned samples were collected, and to ensure consistency with the field methods and decontamination procedures specified in the QAPP Worksheet 21 – Field SOPs and Appendix A of the QAPP. In addition, calibration logs were reviewed to ensure that field equipment was calibrated and/or checked once per day. The logs have been provided in **Appendix C** (PID calibration log).

The laboratory deliverables were reviewed to ensure that all records specified in the QAPP as well as necessary signatures and dates are present. Sample receipt records were reviewed to ensure that the sample condition upon receipt was noted, and any missing/broken sample containers (if any) were noted and reported according to plan. The data packages were compared to the Chains of Custody to verify that results were provided for all collected samples. The data package case narratives were reviewed to ensure that all exceptions (if any) are described.

5.2. DATA VALIDATION

USEPA Stage 2B data validation was completed for a representative 50% of the environmental sample analyses performed by PACE and supporting Level IV Data Package information by Environmental Data Quality Inc. (EDQI). The DVRs provided by EDQI have been included as electronic attachments.

Sample analyses have undergone an analytical quality assurance review to ensure adherence to the required protocols. The Stage 2B review was performed as outlined in "Guide for Labeling Externally Validated Laboratory Analytical Data for Superfund Use", EPA-540-R-08-005. Results have been validated or qualified according to general guidance provided in "USEPA National Functional Guidelines for Inorganic Superfund Data Review (ISM02.1)", USEPA October 2013. Region III references this guidance for validation requirements. This document specifies procedures for validating data generated for Contract Laboratory Program (CLP) analyses. The approved QAPP dated October 2, 2015 (updated April 5, 2016) and the quality control requirements specified in the methods and associated acceptance criteria were also used to evaluate the non-CLP data.

Data validation has been completed for a representative 50% of all sample results, and the DVRs provided by EDQI have been included as electronic attachments. The USEPA has previously specified that results flagged with a "JB" qualifier are erroneous, and any such results should be revised to display the "B" qualifier only. EDQI reviews and corrects any "JB" qualified results during the data validation procedure. Therefore, any result originally flagged with a "JB" qualifier in the laboratory certificate is reported as a "B" qualified non-detect result in this Phase II Investigation Report. ARM has reviewed all non-validated laboratory reports (those which were not designated to be reviewed by EDQI), and applied the same validation correction to any relevant "JB" qualified results. ARM has also revised the non-validated results to eliminate any laboratory-specific, non-standardized qualifiers (L2, 6c, ip, 4c, etc.), which are customarily removed by EDQI during the validation procedure.

5.3. DATA USABILITY

The data were evaluated with respect to the quality control elements of precision, bias, representativeness, comparability, completeness, and sensitivity relative to data quality indicators and performance measurement criteria outlined in QAPP Worksheet 12 – Measurement

Performance Criteria. The following discussion details deviation from the performance measurement criteria, and the impact on data quality and usability.

The measurement performance criteria of precision and bias were evaluated in the data validation process as described in the DVRs provided as electronic attachments. Where appropriate, potential limitations in the results have been indicated through final data flags. These flags indicate whether particular data points were quantitative estimates, biased high/low, associated with blank contamination, etc. Individual data flags are provided with the results in the detection summary tables. A qualifier code glossary is included with each DVR provided by EDQI. Particular results may have been marked with the "R" flag if the result was deemed to be unreliable and was not included in any further data evaluation. A list of the analytical soil results that were rejected during data validation is provided as **Table 9**. A discussion of data completeness (the proportion of valid data) is included below.

Representativeness is a measure of how accurately and precisely the data describe the Site conditions. Representativeness of the samples submitted for analysis was ensured by adherence to standard sampling techniques and protocols, as well as appropriate sample preservation prior to analysis. Sampling was conducted in accordance with the QAPP Worksheet 21 – Field SOPs and Appendix A of the QAPP. Specific Field SOPs applicable to the assessment of representativeness include **Field SOP Numbers 009, 010, 011, 017, and 024**. Review of the field notes and laboratory sample receipt records indicated that collection of soil samples at the Site was representative, with no significant deviations from the SOPs.

Comparability describes the degree of confidence in comparing two sets of data. Comparability is maintained across multiple datasets by the use of consistent sampling and analytical methods across multiple project phases. Comparability of sample results was ensured through the use of approved standard sampling and analysis methods outlined in the QAPP. QA/QC protocols help to maintain the comparability of datasets, and in this case were assessed via blind duplicates, blank samples, and spiked samples, where applicable. No deviations from the QAPP were noted in the dataset.

Sensitivity is a determination of whether the analytical methods and quantitation limits will satisfy the requirements of the project. The laboratory reports were reviewed to verify that reporting limits met the quantitation limits for specific analytes provided in QAPP Worksheet #15 – Project Action Limits and Laboratory-Specific Detection/Quantitation Limits. In general, the laboratory reporting limits met the detection and quantitation limits specified in the QAPP.

Completeness is expressed as a ratio of the number of valid data points to the total number of analytical data results. Non-usable ("R" flagged) data results were determined through the data validation process. The approved QAPP specifies that the completeness of data is assessed by professional judgement, but should be greater than or equal to 90%. Data completeness for each

compound is provided in **Appendix I**. This evaluation of completeness includes only the representative 50% of sample results which were randomly selected for validation.

A total of 14 analytes did not meet the completeness goal of 90% for soils in Parcel B22. Of these 14 compounds, 11 acid extractable SVOCs (2,3,4,6-tetrachlorophenol, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 2,4-dichlorophenol, 2,4-dimethylphenol, 2,4-dinitrophenol, 2-chlorophenol, 2-methylphenol, 3&4-methylphenol (m&p cresol), pentachlorophenol, and phenol) had soil completeness values between 77.0% and 78.7%. Some of the results for these compounds were rejected due to poor recoveries, which are believed to be due to the highly alkaline conditions typical of slag fill. These compounds are generally not expected to be site-related contaminants, and have not been detected in soils above the PALs on any portion of the Tradepoint Atlantic property completed to date. Each of these SVOCs had a very low number of detections at the Site, and none remotely approaching the PAL. Since each of these compounds are unlikely to be site-related contaminants and were detected only at very low levels across the Site, these are not considered to be significant data gaps.

The remaining three compounds with reduced completeness percentages in soil (benzaldehyde, 1,4-dioxane, and bromomethane) were infrequently detected, and none of these compounds had any sample results approaching the established PALs (either among the validated or non-validated datasets). Based on the infrequency and low magnitude of detections for these compounds, these are not considered to be significant data gaps.

Overall, the soil data can be used as intended, and no significant data gaps were identified. While a limited set of compounds did not meet the completeness goal of 90%, these compounds do not appear to be significant contaminants at the Site.

6.0 FINDINGS AND RECOMMENDATIONS

The objective of this Phase II Investigation was to fully characterize the nature and extent of contamination at the Site. During the Phase II Investigation, a total of 387 soil samples (all locations/depths) were collected and analyzed to define the nature and extent of contamination in Parcel B22. The sampling and analysis plan for the parcel was developed to target specific features which represented a potential release of hazardous substances and/or petroleum products to the environment. Soil samples were analyzed for TCL-VOCs, TCL-SVOCs, TPH-DRO/GRO, TAL-Metals, hexavalent chromium, and cyanide. Shallow soil samples (0 to 1 foot bgs) were additionally analyzed for PCBs.

6.1. SOIL

The concentrations of constituents in the soil have been characterized by the Phase II Investigation to provide estimates of exposure point concentrations to support risk assessment.

Lead concentrations are well below the levels that would warrant evaluation of a removal remedy. None of the individual lead detections exceeded the mandatory delineation threshold of 10,000 mg/kg. Aroclor 1242, Aroclor 1248, Aroclor 1254, Aroclor 1260, and total PCBs were detected above their respective PALs at multiple locations, and there were two soil samples (B22-028-SB-1 and B22-065-SB-1) with concentrations of total PCBs identified above the threshold warranting delineation and excavation of PCBs (50 mg/kg). Supplemental PCB delineation and excavation activities have been completed at both of these locations outside of the scope of this Phase II Investigation. Elevated detections of DRO above the PAL (6,200 mg/kg) in soil borings B22-070-SB, B22-148-SB, B22-152-SB B22-162-SB, and B22-163-SB were also addressed via excavation activities completed outside of the scope of this Phase II Investigation. The Delineation and Excavation of PCB and DRO Impacted Soil Completion Report (dated December 22, 2016) and associated Comment Response Letter (dated February 21, 2017) provide details regarding these response activities. Petroleum impacts, including the analytical exceedances of the DRO PAL as well as borings with physical evidence of NAPL in the soil cores, are also further discussed in Section 6.3 (NAPL).

In addition to the PCB and DRO exceedances noted above, the remaining PAL exceedances in soil within Parcel B22 consisted of six inorganics (arsenic, hexavalent chromium, lead, manganese, thallium, and vanadium), one VOC (1,1-dichloroethane), and six SVOC PAHs (benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, dibenz[a,h]anthracene, indeno[1,2,3-c,d]pyrene, and naphthalene). Arsenic exceeded its PAL in the largest proportion of the samples analyzed site-wide, and was detected above the PAL in 304 soil samples. The maximum detected concentration of arsenic was 672 mg/kg in sample B22-074-SB-1; however, a resampling event was completed at this location on July 14, 2016 and did not confirm the presence of elevated arsenic, suggesting the initial elevated detection could be anomalous. The

remaining inorganic exceedances were less common in comparison. Hexavalent chromium, lead, manganese, thallium, and vanadium exceeded their PALs in 10 samples, 16 samples, 41 samples, two samples, and two samples, respectively. SVOC PAL exceedances were also widespread across Parcel B22. Benzo[a]pyrene was the most common PAL exceedance among the SVOCs (28 exceedances) with a maximum detection of 84.9 mg/kg in soil boring B22-119-SB. Benz[a]anthracene, benzo[b]fluoranthene and dibenz[a,h]anthracene exceeded their PALs in five samples, eight samples, and eight samples, respectively. Indeno[1,2,3-c,d]pyrene and naphthalene PAL exceedances were limited to one and two samples, respectively.

6.2. GROUNDWATER

Groundwater is not used on the Tradepoint Atlantic property (and is not proposed to be utilized); therefore, there is no potential for direct human exposure for a Composite Worker. In the event that future construction/excavation leads to a potential Construction Worker exposure to groundwater, health and safety plans should be implemented to limit exposure risk. Findings from the Area B and Finishing Mills Groundwater Phase II Investigations which include the groundwater data obtained within Parcel B22 are presented within the Area B Groundwater Phase II Investigation Report (Revision 0) dated September 30, 2016 and the Finishing Mills Groundwater Phase II Investigation Report (Revision 0) dated November 30, 2016, which were submitted to the agencies for review. An aqueous PAL exceedance figure is provided in **Appendix E** to indicate the locations of any shallow groundwater exceedances from either groundwater investigation.

The groundwater data were screened to determine whether any cumulative (or individual) sample results exceeded the USEPA VI TCR (carcinogen) or THQ (non-carcinogen) Screening Levels. Among the samples obtained during the separate Area B and Finishing Mills Groundwater Investigations, there were no potential VI risks identified from the permanent monitoring wells or temporary groundwater sample collection points located in the vicinity of Parcel B22. Total cyanide had previously been identified as a potential VI hazard in the Area B Groundwater and Finishing Mills Phase II Investigation Reports at several locations, but the screening level for cyanide has since been adjusted upward by the USEPA, eliminating this concern.

6.3. NAPL

Elevated concentrations of DRO represent locations which may be impacted by NAPL that could potentially mobilize, particularly along utility corridors. Elevated DRO was identified above the PAL (6,200 mg/kg) at five soil boring locations in Parcel B22 (B22-070-SB, B22-148-SB, B22-152-SB, B22-162-SB, and B22-163-SB). Soil cores were screened for evidence of possible NAPL contamination during the completion of the Phase II soil borings in Parcel B22. The field observations were noted on the boring logs, and evidence of NAPL was observed in the soil cores of 18 borings (B22-001-SB, B22-033-SB, B22-034-SB, B22-057-SB, B22-067-SB, B22-071-SB, B22-073-SB, B22-106-SB, B22-111-SB, B22-116-SB, B22-119-SB, B22-128-SB, B22-

129-SB, B22-144-SB, B22-152-SB, B22-153-SB, B22-161-SB, and B22-163-SB). Temporary screening piezometers were installed at 12 locations (B22-033-SB, B22-034-SB, B22-057-SB, B22-067-SB, B22-106-SB, B22-111-SB, B22-119-SB, B22-128-SB, B22-129-SB, B22-153-SB, B22-161-SB, and B22-163-SB) to assess the potential mobility of NAPL to groundwater. Additional screening piezometers were not deemed necessary at the remaining locations with evidence of NAPL (B22-001-SB, B22-071-SB, B22-073-SB, B22-116-SB, B22-144-SB, and B22-152-SB). Gauging data from all measurement events at the screening piezometers (and any supplemental delineation locations) are provided in **Appendix G**. Supplemental delineation/response activities have been completed at select locations, including the PORI Lagoon area (B22-119-SB), B22-128-SB, and the five locations with elevated analytical detections of DRO. These supplemental activities are discussed in detail within Section 4.3 and reported to the MDE in separate documents outside of the scope of this Phase II Investigation Report.

As of this submission, all of the NAPL screening and delineation piezometers, with the exception of those in the PORI Lagoon area (B22-119-PZ and nine associated delineation piezometers), have been abandoned. No additional action is warranted with respect to the soil borings with evidence of NAPL and/or elevated DRO analytical detections in Parcel B22; response actions have already been completed at select locations as noted above. However, the proximity of all DRO-impacted borings (five locations) and borings with evidence of NAPL observed in the soil cores (18 locations) to proposed utilities should be evaluated in any future development planning for Parcel B22. Appropriate protocols should be documented in any future Response and Development Work Plans (as necessary) to prevent the mobilization of any product if future utilities are proposed in the vicinity of these impacts.

6.4. RECOMMENDATIONS

Sufficient remedial investigation data has been collected to evaluate the nature and extent of possible constituents of concern in Parcel B22. The presence and absence of soil impacts within Parcel B22 have been adequately described and further site-wide investigation is not warranted to characterize overall conditions. Recommendations for the Site are as follows:

- Soil boring locations with physical evidence of possible NAPL and/or elevated DRO concentrations (B22-001-SB, B22-033-SB, B22-034-SB, B22-057-SB, B22-067-SB, B22-070-SB, B22-071-SB, B22-073-SB, B22-106-SB, B22-111-SB, B22-116-SB, B22-119-SB, B22-128-SB, B22-129-SB, B22-144-SB, B22-148-SB, B22-152-SB, B22-153-SB, B22-161-SB, B22-162-SB, and B22-163-SB) should be considered for proximity to proposed utilities in any future development plans. If future utilities are proposed in the vicinity of these borings, appropriate protocols for the mitigation of potential product (NAPL) mobility should be specified in a Response and Development Work Plan.

- Supplemental delineation/response activities have been completed at select locations with evidence of petroleum contamination. The five soil borings with elevated concentrations of DRO (B22-070-SB, B22-148-SB, B22-152-SB, B22-162-SB, and B22-163-SB) and the NAPL delineation area at B22-128-SB were addressed via supplemental excavation activities completed outside of the scope of this Phase II Investigation. No additional response activities are anticipated in these areas. The DRO excavations were documented in the Delineation and Excavation of PCB and DRO Impacted Soil Completion Report dated December 22, 2016 and associated Comment Response Letter dated February 21, 2017. The response activities completed in the vicinity of B22-128-SB were implemented under the separate Delineation Activities and Proposed Excavation of NAPL at B22-128-SB Letter dated June 1, 2017. The completed B22-128-SB excavation will be reported in a future Response Action Completion Report.

- Elevated detections of naphthalene and benzo[a]pyrene along with evidence of NAPL were observed in the PORI Lagoon area (B22-119-SB). This area has been further evaluated under the Work Plan for the Characterization of Naphthalene and Benzo[a]pyrene Impacts dated April 19, 2018. The findings of the supplemental characterization activities have been presented to the agencies within the separate Characterization of Naphthalene and Benzo[a]pyrene Impacts Interim Submittal dated August 8, 2019. Any future work in this area will be coordinated with the MDE outside of the scope of this Phase II Investigation, and ultimately a Completion Report will be submitted for this area.

- Concentrations of total PCBs were identified above 50 mg/kg at two locations (B22-028-SB and B22-065-SB). Supplemental PCB delineation and excavation activities have been completed at both of these locations outside of the scope of this Phase II Investigation. No additional response activities are anticipated in these areas. The completed response activities are documented in the Delineation and Excavation of PCB and DRO Impacted Soil Completion Report dated December 22, 2016 and associated Comment Response Letter dated February 21, 2017.

7.0 REFERENCES

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FIGURES

Site Boundary

Parcel Boundaries

Private Property

Parcel A9
Parcel A5
Parcel A13
Parcel A7
Parcel A14
Parcel A11
Parcel A8
Parcel A12
Parcel A2
Parcel A15
Parcel A17
Parcel A18
Parcel A16
Parcel A6
Parcel A4
Parcel A10
Parcel A3
Parcel A1
Parcel B6
Parcel B8
Parcel B14
Parcel B22
Parcel B16
Parcel B21
Parcel B15
Parcel B24
Parcel B23
Parcel B25
Parcel B7
Parcel B1
Parcel B2
Parcel B3
Parcel B17
Parcel B19
Parcel B4
Parcel B5
Parcel B9
Parcel B18
Parcel B10
Parcel B13
Parcel B20
Parcel B11
Parcel B12

Tradepoint Atlantic
Area A and Area B Parcels

June 21, 2018

Figure 1

ARM Group Inc.
Engineers and Scientists

0 500 1,000 2,000 Feet

Tradepoint Atlantic

Baltimore County, MD

EnviroAnalytics Group

Area A: Project 150298M
Area B: Project 150300M
Development: Project 160443M

Site Boundary

Parcel Boundaries

1916 Shoreline:

Land

Marsh

Water

Parcel A9

Parcel A5

Parcel A13

Parcel A7

Parcel A14

Greys Creek

Bear Creek

Parcel A11

Parcel A8

Parcel A12

Parcel A2

Parcel A15

Parcel A17

Parcel A18

Parcel A16

Parcel A6

Parcel A3

Parcel A4

Parcel A10

Parcel A1

Parcel B6

Humphrey Creek

Parcel B8

Parcel B14

Parcel B21

Parcel B22

Parcel B16

Parcel B15

Parcel B24

Parcel B23

Parcel B25

Old Road Bay

Block House Cove

Parcel B7

Jones Creek

Parcel B1

Parcel B2

Parcel B3

Parcel B17

Parcel B19

Parcel B4

Parcel B5

Parcel B9

Parcel B18

Parcel B10

Parcel B13

Parcel B20

Parcel B11

Parcel B12

Patapsco River

Approximate Shoreline 1916

June 21, 2018

Adapted from Figure 2-20 of the Description of Current Conditions Report prepared by Rust Environmental and Infrastructure, dated January 1998

Figure 2

ARM Group Inc.
Engineers and Scientists

0 500 1,000 2,000 Feet

Tradepoint Atlantic

Baltimore County, MD

EnviroAnalytics Group

Area A: Project 150298M
Area B: Project 150300M
Development: Project 160443M

Phase II Soil Boring

Parcel Boundary

Parcel B16

B22-178-SB
B22-115-SB
B22-153-SB
B22-159-SB
B22-166-SB
B22-100-SB
B22-119-SB
B22-117-SB
B22-152-SB
B22-158-SB
B22-174-SB
B22-099-SB
B22-116-SB
B22-118-SB
B22-071-SB
B22-121-SB
B22-062-SB
B22-031-SB
B22-120-SB
B22-148-SB
B22-114-SB
B22-149-SB
B22-112-SB
B22-113-SB
B22-032-SB
B22-125-SB
B22-126-SB
B22-012-SB
B22-023-SB
B22-154-SB
B22-127-SB
B22-011-SB
B22-024-SB
B22-006-SB
B22-155-SB
B22-157-SB
B22-005-SB
B22-176-SB
B22-144-SB
B22-102-SB
B22-156-SB
B22-145-SB
B22-101-SB
B22-110-SB
B22-109-SB
B22-067-SB
B22-025-SB
B22-069-SB
B22-026-SB
B22-030-SB
B22-106-SB
B22-111-SB
B22-029-SB
B22-033-SB
B22-028-SB
B22-034-SB
B22-027-SB
B22-068-SB
B22-059-SB
B22-097-SB
B22-070-SB
B22-167-SB
B22-060-SB
B22-096-SB
B22-098-SB
B22-088-SB
B22-089-SB
B22-054-SB
B22-036-SB
B22-107-SB
B22-035-SB
B22-087-SB
B22-053-SB
B22-014-SB
B22-108-SB
B22-013-SB
B22-168-SB
B22-169-SB
B22-095-SB
B22-085-SB
B22-090-SB
B22-084-SB
B22-086-SB
B22-162-SB
B22-163-SB
B22-051-SB
B22-094-SB
B22-164-SB
B22-052-SB
B22-165-SB
B22-038-SB
B22-015-SB
B22-043-SB
B22-037-SB
B22-064-SB
B22-016-SB
B22-047-SB
B22-065-SB
B22-017-SB
B22-057-SB
B22-058-SB
B22-018-SB
B22-104-SB
B22-161-SB
B22-092-SB
B22-160-SB
B22-105-SB
B22-003-SB
B22-150-SB
B22-080-SB
B22-076-SB
B22-135-SB
B22-002-SB
B22-093-SB
B22-091-SB
B22-103-SB
B22-004-SB
B22-075-SB
B22-134-SB
B22-151-SB
B22-001-SB
B22-146-SB
B22-147-SB
B22-074-SB
B22-050-SB
B22-081-SB
B22-049-SB
B22-083-SB
B22-136-SB
B22-066-SB
B22-073-SB
B22-133-SB
B22-022-SB
B22-021-SB
B22-008-SB
B22-082-SB
B22-063-SB
B22-122-SB
B22-009-SB
B22-010-SB
B22-123-SB
B22-019-SB
B22-042-SB
B22-124-SB
B22-045-SB
B22-007-SB
B22-020-SB
B22-061-SB
B22-044-SB
B22-046-SB
B22-072-SB
B22-039-SB
B22-039A-SB
B22-040-SB
B22-055-SB
B22-056-SB
B22-128-SB
B22-129-SB
B22-130-SB
B22-177-SB
B22-077-SB
B22-175-SB
B22-170-SB
B22-173-SB
B22-078-SB
B22-079-SB
B22-179-SB
B22-048-SB
B22-041-SB
B22-172-SB
B22-131-SB
B22-132-SB
B22-138-SB
B22-139-SB
B22-142-SB
B22-143-SB
B22-140-SB
B22-171-SB
B22-137-SB
B22-141-SB

Parcel B21
Parcel B22
Parcel B6
Parcel B7
Parcel B2
Parcel B3

Parcel B22 Soil Borings
Final Field Sample Locations

August 2, 2019

Figure 3

ARM Group Inc.
Engineers and Scientists

0 75 150 300 Feet

Tradepoint Atlantic
Baltimore County, MD
EnviroAnalytics Group
ARM Project 150300M-20

Phase II Soil Boring

Parcel Boundary

Parcel B16

B22-178-SB-1
B22-178-SB-6

B22-166-SB-1
B22-166-SB-4

B22-153-SB-1
B22-153-SB-4

B22-159-SB-1

B22-119-SB-1
B22-119-SB-9
Naphthalene: 32.8
B22-119-SB-10
Benzo[a]pyrene: 84.9
Naphthalene: 2,040

B22-115-SB-1
B22-115-SB-8.5

B22-117-SB-1
B22-117-SB-4
Benzo[a]pyrene: 10.7
Dibenz[a,h]anthracene: 2.1
B22-117-SB-10

B22-100-SB-1
B22-100-SB-6
B22-100-SB-10

B22-152-SB-1
B22-152-SB-6

B22-174-SB-1
B22-174-SB-4

B22-116-SB-1
B22-116-SB-8.5

B22-118-SB-1
B22-118-SB-9
B22-118-SB-10

B22-071-SB-1
B22-071-SB-4

B22-158-SB-1
B22-158-SB-8

B22-099-SB-1
B22-099-SB-7
B22-099-SB-9.5

B22-121-SB-1
B22-121-SB-9
B22-121-SB-10

B22-062-SB-1
B22-062-SB-4

B22-120-SB-1
B22-120-SB-8

B22-031-SB-1
B22-031-SB-4
B22-031-SB-10

B22-148-SB-1
Benzo[a]pyrene: 4.6
B22-148-SB-6
B22-148-SB-10
Benzo[a]pyrene: 9.5

B22-114-SB-1
B22-114-SB-8

B22-149-SB-1
Benzo[a]pyrene: 3.7
B22-149-SB-8
Benz[a]anthracene: 60.4
Benzo[a]pyrene: 47.1
Benzo[b]fluoranthene: 92.5
Dibenz[a,h]anthracene: 5.2

B22-112-SB-1
B22-112-SB-4
B22-112-SB-10

B22-113-SB-1
B22-113-SB-4

B22-032-SB-1
B22-032-SB-4
B22-032-SB-10

B22-125-SB-1
B22-125-SB-4
B22-125-SB-10

B22-012-SB-1
Benzo[a]pyrene: 2.6
B22-012-SB-4

B22-126-SB-1
B22-126-SB-6

B22-154-SB-1
Benzo[a]pyrene: 2.5
B22-154-SB-5

B22-011-SB-1
B22-011-SB-4

B22-023-SB-1
B22-023-SB-9
Benzo[a]pyrene: 3.5
B22-023-SB-10

B22-127-SB-1
B22-127-SB-7

B22-006-SB-1
Benzo[a]pyrene: 2.1
B22-006-SB-7

B22-155-SB-1
Benzo[a]pyrene: 6.0
B22-155-SB-5

B22-024-SB-1
B22-024-SB-4

B22-176-SB-1
B22-176-SB-8
Benzo[a]pyrene: 2.2

B22-157-SB-1

B22-144-SB-1
B22-144-SB-7
Benzo[a]pyrene: 4.5

B22-005-SB-1
B22-005-SB-4
Benzo[a]pyrene: 2.1
B22-005-SB-10

B22-102-SB-1
B22-102-SB-5

B22-156-SB-1
B22-156-SB-4.5

B22-145-SB-1
B22-145-SB-4
B22-145-SB-10

B22-101-SB-1
B22-101-SB-5

B22-110-SB-1
B22-110-SB-4

B22-109-SB-1
B22-109-SB-4.5

B22-067-SB-1
B22-067-SB-7

B22-025-SB-4

B22-026-SB-1
B22-026-SB-9

B22-069-SB-1
B22-069-SB-4

B22-030-SB-1
B22-030-SB-5
B22-030-SB-10

B22-106-SB-1
B22-106-SB-8.5

B22-111-SB-1
B22-111-SB-8

B22-029-SB-1
B22-029-SB-6

B22-033-SB-1

B22-028-SB-1

B22-034-SB-1

B22-027-SB-1
B22-027-SB-5

B22-167-SB-1
B22-167-SB-5
B22-167-SB-10

B22-068-SB-1
B22-068-SB-6

B22-059-SB-1
B22-059-SB-4

B22-097-SB-1
B22-097-SB-9

B22-070-SB-1
B22-070-SB-9

B22-096-SB-1
B22-096-SB-9

B22-060-SB-1
B22-060-SB-4

B22-098-SB-1
B22-098-SB-4

B22-036-SB-1
B22-036-SB-4

B22-054-SB-1
B22-054-SB-4

B22-107-SB-1
B22-107-SB-5

B22-088-SB-1
B22-088-SB-6
Benzo[a]pyrene: 3.1

B22-089-SB-1
B22-089-SB-5

B22-053-SB-1
B22-053-SB-8

B22-035-SB-1

B22-087-SB-1
B22-087-SB-5

Parcel B21

B22-014-SB-1
B22-014-SB-5

B22-108-SB-1
B22-108-SB-5

B22-013-SB-1
Benzo[a]pyrene: 7.7
B22-013-SB-4

Parcel B6

B22-168-SB-1
B22-168-SB-4

B22-169-SB-1
B22-169-SB-4

B22-085-SB-1
Benz[a]anthracene: 30.1
Benzo[a]pyrene: 23.7
Benzo[b]fluoranthene: 48.8
Dibenz[a,h]anthracene: 3.2

B22-095-SB-1
B22-095-SB-6

B22-084-SB-1
Benz[a]anthracene: 34.6
Benzo[a]pyrene: 24.5
Benzo[b]fluoranthene: 50.3
Dibenz[a,h]anthracene: 4.8

B22-163-SB-1
B22-163-SB-5

B22-090-SB-1
B22-090-SB-5

B22-051-SB-1
B22-051-SB-6

B22-162-SB-1
B22-162-SB-5

B22-086-SB-1
B22-086-SB-5

B22-094-SB-1
B22-094-SB-4

B22-164-SB-1
B22-164-SB-6

B22-052-SB-1
B22-052-SB-8

Parcel B22

B22-015-SB-1
B22-015-SB-4

B22-043-SB-1
B22-043-SB-4
Benzo[a]pyrene: 2.4
B22-043-SB-10

B22-165-SB-1
B22-165-SB-4

B22-038-SB-1

B22-016-SB-1
B22-016-SB-5

B22-064-SB-1
B22-064-SB-7

B22-047-SB-1
B22-047-SB-5

B22-037-SB-1

B22-065-SB-1
B22-065-SB-7

B22-017-SB-1
B22-017-SB-6

B22-058-SB-1
B22-058-SB-7

B22-057-SB-1

B22-018-SB-1
B22-018-SB-6

B22-161-SB-1
B22-161-SB-4.5

B22-104-SB-1
B22-104-SB-4

B22-080-SB-1
Benz[a]anthracene: 44.2
Benzo[a]pyrene: 35.3
Benzo[b]fluoranthene: 69.8
Dibenz[a,h]anthracene: 2.7
B22-080-SB-5

B22-092-SB-1
B22-092-SB-4

B22-105-SB-1
B22-105-SB-4

B22-003-SB-1
B22-003-SB-4

B22-135-SB-1
B22-135-SB-8

B22-160-SB-1

B22-091-SB-1
B22-091-SB-4

B22-093-SB-1
B22-093-SB-5

B22-076-SB-1

B22-002-SB-1
B22-002-SB-7

B22-150-SB-1
B22-150-SB-5

B22-151-SB-1

B22-103-SB-1
B22-103-SB-4

B22-075-SB-1
B22-075-SB-4

B22-134-SB-1
B22-134-SB-7

B22-050-SB-1
B22-050-SB-4.5

B22-074-SB-1

B22-004-SB-1
B22-004-SB-4

B22-001-SB-1
B22-001-SB-4

B22-147-SB-1
B22-147-SB-5.5

B22-136-SB-1
B22-136-SB-5

B22-066-SB-1
B22-066-SB-9

B22-146-SB-1
Benzo[a]pyrene: 4.7
B22-146-SB-5

B22-083-SB-1
B22-083-SB-4

B22-049-SB-1
B22-049-SB-5

B22-081-SB-1
B22-081-SB-4

B22-133-SB-1
B22-133-SB-5

B22-063-SB-1
B22-063-SB-9

B22-073-SB-1
Benzo[a]pyrene: 5.1
B22-073-SB-5

B22-022-SB-1
B22-022-SB-7

B22-021-SB-1
B22-021-SB-5

B22-082-SB-1
B22-082-SB-4

B22-009-SB-1
B22-009-SB-6

B22-008-SB-1
B22-008-SB-4

B22-122-SB-1

B22-123-SB-1

B22-010-SB-1
Benzo[a]pyrene: 2.4
B22-010-SB-4

B22-042-SB-1
B22-042-SB-4

B22-019-SB-1
B22-019-SB-6

B22-124-SB-1
B22-124-SB-4

B22-007-SB-1
B22-007-SB-4

B22-020-SB-1
B22-020-SB-4
B22-020-SB-10

B22-045-SB-1

B22-044-SB-1
B22-044-SB-4

B22-061-SB-1
Benz[a]anthracene: 82.3
Benzo[a]pyrene: 72.0
Benzo[b]fluoranthene: 106
Dibenz[a,h]anthracene: 9.6
Indeno[1,2,3-c,d]pyrene: 26.0
B22-061-SB-5

B22-072-SB-1
Benzo[a]pyrene: 13.7
Benzo[b]fluoranthene: 25.3

B22-046-SB-1
B22-046-SB-4

B22-039-SB-1
B22-039-SB-4

B22-039A-SB-3

B22-040-SB-1
B22-040-SB-4

B22-055-SB-1
B22-055-SB-8.5

B22-056-SB-1
B22-056-SB-5

B22-175-SB-1
Benzo[a]pyrene: 11.1
Benzo[b]fluoranthene: 21.6
Dibenz[a,h]anthracene: 2.2
B22-175-SB-4
Benzo[a]pyrene: 14.9
Benzo[b]fluoranthene: 31.1
Dibenz[a,h]anthracene: 3.0

B22-129-SB-1
B22-129-SB-4

B22-128-SB-1

B22-177-SB-1
B22-177-SB-5

B22-130-SB-1
B22-130-SB-4

B22-077-SB-1
B22-077-SB-5

B22-170-SB-1
B22-170-SB-4

B22-173-SB-1
B22-173-SB-4

B22-079-SB-1
B22-079-SB-4

B22-078-SB-1
B22-078-SB-7.5

B22-179-SB-1
B22-179-SB-6

B22-048-SB-1
B22-048-SB-5

B22-172-SB-1
B22-172-SB-5

B22-041-SB-1
B22-041-SB-5

B22-132-SB-1
B22-132-SB-5

B22-131-SB-1
B22-131-SB-5

B22-138-SB-1
B22-138-SB-8

B22-139-SB-1
B22-139-SB-4

Parcel B7

Parcel B2

B22-142-SB-1
B22-142-SB-5
Benzo[a]pyrene: 4.7

B22-143-SB-1
B22-143-SB-5

B22-171-SB-1
B22-171-SB-5

B22-140-SB-1
B22-140-SB-5

Parcel B3

B22-137-SB-1
B22-137-SB-8

B22-141-SB-1
B22-141-SB-5

Parcel B22 Soil Borings
Phase II SVOC Exceedances (mg/kg)

July 25, 2019

Figure S1

ARM Group Inc.
Engineers and Scientists

0 75 150 300 Feet

Tradepoint Atlantic

Baltimore County, MD

EnviroAnalytics Group

ARM Project 150300M-20

Phase II Soil Boring

Parcel Boundary

Parcel B16

B22-153-SB-1
Aroclor 1242: 1.01
PCBs (total): 1.0371

B22-159-SB-1

B22-100-SB-1

B22-152-SB-1

B22-119-SB-1

B22-174-SB-1
Aroclor 1254: 6.63
Aroclor 1260: 2.72
PCBs (total): 9.35

B22-115-SB-1

B22-178-SB-1

B22-166-SB-1

B22-117-SB-1

B22-099-SB-1

B22-158-SB-1

B22-116-SB-1

B22-118-SB-1

B22-071-SB-1

B22-062-SB-1

B22-121-SB-1

B22-120-SB-1

B22-031-SB-1

B22-148-SB-1
PCBs (total): 1.98

B22-114-SB-1

B22-149-SB-1

B22-032-SB-1
Aroclor 1248: 14.9
PCBs (total): 14.9

B22-112-SB-1

B22-113-SB-1

B22-125-SB-1

B22-127-SB-1

B22-126-SB-1

B22-012-SB-1

B22-154-SB-1

B22-011-SB-1

B22-023-SB-1

B22-024-SB-1

B22-006-SB-1
PCBs (total): 0.991

B22-155-SB-1

B22-157-SB-1

B22-144-SB-1
Aroclor 1248: 1.48
Aroclor 1254: 0.978
PCBs (total): 4.778

B22-005-SB-1
PCBs (total): 2.96

B22-176-SB-1

B22-102-SB-1

B22-101-SB-1

B22-109-SB-1

B22-156-SB-1

B22-145-SB-1
PCBs (total): 1.559

B22-067-SB-1

B22-110-SB-1
Aroclor 1248: 1.12
PCBs (total): 2.657

B22-069-SB-1

B22-026-SB-1

B22-106-SB-1

B22-111-SB-1

B22-030-SB-1

B22-028-SB-1
PCBs (total): 74.4

B22-029-SB-1

B22-033-SB-1

B22-034-SB-1

B22-027-SB-1

B22-068-SB-1
PCBs (total): 1.258

B22-070-SB-1
Aroclor 1254: 3.65
PCBs (total): 7.36

B22-059-SB-1

B22-097-SB-1

B22-167-SB-1

B22-060-SB-1

B22-096-SB-1

B22-098-SB-1

B22-088-SB-1

B22-089-SB-1

B22-054-SB-1

B22-036-SB-1

B22-107-SB-1

B22-035-SB-1

B22-087-SB-1

B22-053-SB-1
PCBs (total): 7.32

Parcel B21

B22-014-SB-1

B22-013-SB-1
PCBs (total): 1.949

B22-108-SB-1

Parcel B6

B22-168-SB-1

B22-169-SB-1

B22-095-SB-1

B22-085-SB-1

B22-090-SB-1

B22-084-SB-1

B22-162-SB-1

B22-163-SB-1
PCBs (total): 1.0

B22-086-SB-1

B22-051-SB-1

B22-094-SB-1
Aroclor 1254: 1.01
PCBs (total): 7.69

B22-052-SB-1

B22-164-SB-1

B22-038-SB-1
PCBs (total): 0.99

Parcel B22

B22-165-SB-1

B22-015-SB-1

B22-016-SB-1

B22-043-SB-1

B22-064-SB-1

B22-037-SB-1
Aroclor 1254: 7.93
PCBs (total): 7.93

B22-065-SB-1
Aroclor 1248: 50.9
PCBs (total): 61.0

B22-047-SB-1
Aroclor 1254: 2.17
PCBs (total): 13.37

B22-017-SB-1

B22-057-SB-1

B22-058-SB-1

B22-104-SB-1

B22-018-SB-1

B22-161-SB-1

B22-092-SB-1
PCBs (total): 3.18

B22-160-SB-1

B22-150-SB-1
PCBs (total): 1.634

B22-105-SB-1

B22-003-SB-1

B22-080-SB-1

B22-076-SB-1

B22-135-SB-1
PCBs (total): 2.04

B22-002-SB-1

B22-093-SB-1

B22-091-SB-1

B22-151-SB-1

B22-075-SB-1

B22-134-SB-1
PCBs (total): 2.6391

B22-001-SB-1

B22-001-SB-4

B22-004-SB-1

B22-050-SB-1
PCBs (total): 1.7124

B22-074-SB-1

B22-103-SB-1

B22-146-SB-1

B22-147-SB-1

B22-049-SB-1
PCBs (total): 1.03

B22-081-SB-1

B22-136-SB-1

B22-066-SB-1

B22-083-SB-1

B22-133-SB-1

B22-063-SB-1
PCBs (total): 10.879

B22-073-SB-1

B22-022-SB-1

B22-021-SB-1

B22-082-SB-1

B22-122-SB-1

B22-009-SB-1

B22-008-SB-1

B22-123-SB-1

B22-010-SB-1

B22-042-SB-1
Aroclor 1248: 3.06
Aroclor 1260: 21.1
PCBs (total): 24.16

B22-019-SB-1
Aroclor 1242: 2.64
PCBs (total): 2.64

B22-007-SB-1

B22-124-SB-1
PCBs (total): 13.0

B22-020-SB-1

B22-045-SB-1
Aroclor 1248: 3.68
Aroclor 1254: 1.63
PCBs (total): 9.43

B22-044-SB-1

B22-061-SB-1

B22-072-SB-1

B22-046-SB-1

B22-039-SB-1
Aroclor 1248: 4.87
PCBs (total): 5.159

B22-040-SB-1
PCBs (total): 1.458

B22-055-SB-1

B22-056-SB-1

B22-128-SB-1
Aroclor 1254: 0.99
PCBs (total): 1.631

B22-129-SB-1
Aroclor 1254: 1.04
PCBs (total): 1.867

B22-177-SB-1

B22-130-SB-1
Aroclor 1254: 1.15
PCBs (total): 2.209

B22-077-SB-1

B22-175-SB-1
Aroclor 1254: 1.22
PCBs (total): 1.22

B22-170-SB-1

B22-173-SB-1

B22-079-SB-1

B22-078-SB-1

B22-179-SB-1

B22-048-SB-1

B22-172-SB-1

B22-041-SB-1

B22-132-SB-1

B22-131-SB-1

Parcel B7

B22-138-SB-1

B22-139-SB-1

Parcel B2

B22-143-SB-1

B22-142-SB-1

B22-140-SB-1
Aroclor 1242: 6.64
PCBs (total): 6.64

B22-171-SB-1

Parcel B3

B22-137-SB-1

B22-141-SB-1

Parcel B22 Soil Borings
Phase II PCB Exceedances (mg/kg)

July 25, 2019

Figure S2

ARM Group Inc.
Engineers and Scientists

0 75 150 300 Feet

Tradepoint Atlantic

Baltimore County, MD

EnviroAnalytics Group

ARM Project 150300M-20

Phase II Soil Boring

Phase II Soil Boring (w/ Evidence of NAPL)

Parcel Boundary

Parcel B16

B22-178-SB-1 B22-178-SB-6

B22-153-SB-1 B22-153-SB-4

B22-115-SB-1 B22-115-SB-8.5

B22-159-SB-1

B22-100-SB-1 B22-100-SB-6

B22-119-SB-1 B22-119-SB-9

B22-166-SB-1 B22-166-SB-4

B22-117-SB-1 B22-117-SB-4

B22-152-SB-1 B22-152-SB-6 DRO: 6,610

B22-174-SB-1 B22-174-SB-4

B22-158-SB-1 B22-158-SB-8

B22-099-SB-1 B22-099-SB-7

B22-118-SB-1 B22-118-SB-9

B22-071-SB-1 B22-071-SB-4

B22-116-SB-1 B22-116-SB-8.5

B22-148-SB-1 B22-148-SB-6 DRO: 6,670 B22-148-SB-10

B22-121-SB-1 B22-121-SB-9

B22-062-SB-1 B22-062-SB-4

B22-120-SB-1 B22-120-SB-8

B22-031-SB-1 B22-031-SB-4

B22-114-SB-1 B22-114-SB-8

B22-149-SB-1 B22-149-SB-8

B22-112-SB-1 B22-112-SB-4

B22-032-SB-1 B22-032-SB-4

B22-125-SB-1 B22-125-SB-4 B22-125-SB-10

B22-113-SB-1 B22-113-SB-4

B22-012-SB-1 B22-012-SB-4

B22-126-SB-1 B22-126-SB-6

B22-154-SB-1 B22-154-SB-5

B22-023-SB-1 B22-023-SB-9

B22-127-SB-1 B22-127-SB-7

B22-011-SB-1 B22-011-SB-4

B22-157-SB-1

B22-144-SB-1 B22-144-SB-7

B22-006-SB-1 B22-006-SB-7

B22-024-SB-1 B22-024-SB-4

B22-155-SB-1 B22-155-SB-5

B22-176-SB-1 B22-176-SB-8

B22-102-SB-1 B22-102-SB-5

B22-156-SB-1 B22-156-SB-4.5

B22-145-SB-1 B22-145-SB-4 B22-145-SB-10

B22-005-SB-1 B22-005-SB-4

B22-110-SB-1 B22-110-SB-4

B22-101-SB-1 B22-101-SB-5

B22-109-SB-1 B22-109-SB-4.5

B22-067-SB-1 B22-067-SB-7

B22-069-SB-1 B22-069-SB-4

B22-025-SB-4

B22-026-SB-1 B22-026-SB-9

B22-106-SB-1 B22-106-SB-8.5

B22-111-SB-1 B22-111-SB-8

B22-030-SB-1 B22-030-SB-5

B22-029-SB-1 B22-029-SB-6

B22-033-SB-1

B22-028-SB-1

B22-034-SB-1

B22-068-SB-1 B22-068-SB-6

B22-059-SB-1 B22-059-SB-4

B22-097-SB-1 B22-097-SB-9

B22-027-SB-1 B22-027-SB-5

B22-070-SB-1 DRO: 6,620 B22-070-SB-9

B22-167-SB-1 B22-167-SB-5

B22-060-SB-1 B22-060-SB-4

B22-096-SB-1 B22-096-SB-9

B22-098-SB-1 B22-098-SB-4

B22-036-SB-1 B22-036-SB-4

B22-089-SB-1 B22-089-SB-5

B22-107-SB-1 B22-107-SB-5

B22-088-SB-1 B22-088-SB-6

B22-054-SB-1 B22-054-SB-4

B22-035-SB-1

B22-053-SB-1 B22-053-SB-8

B22-087-SB-1 B22-087-SB-5

Parcel B21

B22-014-SB-1 B22-014-SB-5

Parcel B6

B22-108-SB-1 B22-108-SB-5

B22-168-SB-1 B22-168-SB-4

B22-013-SB-1 B22-013-SB-4

B22-169-SB-1 B22-169-SB-4

B22-095-SB-1 B22-095-SB-6

B22-090-SB-1 B22-090-SB-5

B22-085-SB-1

B22-163-SB-1 B22-163-SB-5 DRO: 8,400

B22-084-SB-1

B22-051-SB-1 B22-051-SB-6

B22-086-SB-1 B22-086-SB-5

B22-162-SB-1 DRO: 39,100 B22-162-SB-5

B22-094-SB-1 B22-094-SB-4

B22-164-SB-1 B22-164-SB-6

B22-052-SB-1 B22-052-SB-8

Parcel B22

B22-015-SB-1 B22-015-SB-4

B22-165-SB-1 B22-165-SB-4

B22-038-SB-1

B22-043-SB-1 B22-043-SB-4

B22-037-SB-1

B22-064-SB-1 B22-064-SB-7

B22-016-SB-1 B22-016-SB-5

B22-047-SB-1 B22-047-SB-5

B22-065-SB-1 B22-065-SB-7

B22-017-SB-1 B22-017-SB-6

B22-058-SB-1 B22-058-SB-7

B22-018-SB-1 B22-018-SB-6

B22-057-SB-1

B22-104-SB-1 B22-104-SB-4

B22-161-SB-1 B22-161-SB-4.5

B22-092-SB-1 B22-092-SB-4

B22-105-SB-1 B22-105-SB-4

B22-003-SB-1 B22-003-SB-4

B22-080-SB-1 B22-080-SB-5

B22-135-SB-1 B22-135-SB-8

B22-002-SB-1 B22-002-SB-7

B22-150-SB-1 B22-150-SB-5

B22-160-SB-1

B22-076-SB-1

B22-093-SB-1 B22-093-SB-5

B22-091-SB-1 B22-091-SB-4

B22-134-SB-1 B22-134-SB-7

B22-075-SB-1 B22-075-SB-4

B22-001-SB-1 B22-001-SB-4

B22-151-SB-1

B22-103-SB-1 B22-103-SB-4

B22-074-SB-1

B22-004-SB-1 B22-004-SB-4

B22-147-SB-1 B22-147-SB-5.5

B22-050-SB-1 B22-050-SB-4.5

B22-081-SB-1 B22-081-SB-4

B22-083-SB-1 B22-083-SB-4

B22-136-SB-1 B22-136-SB-5

B22-146-SB-1 B22-146-SB-5

B22-049-SB-1 B22-049-SB-5

B22-073-SB-1 B22-073-SB-5

B22-066-SB-1 B22-066-SB-9

B22-133-SB-1 B22-133-SB-5

B22-022-SB-1 B22-022-SB-7

B22-021-SB-1 B22-021-SB-5

B22-082-SB-1 B22-082-SB-4

B22-008-SB-1 B22-008-SB-4

B22-122-SB-1

B22-063-SB-1 B22-063-SB-9 B22-063-SB-10

B22-009-SB-1 B22-009-SB-6

B22-010-SB-1 B22-010-SB-4

B22-042-SB-1 B22-042-SB-4

B22-019-SB-1 B22-019-SB-6

B22-123-SB-1

B22-007-SB-1 B22-007-SB-4

B22-124-SB-1 B22-124-SB-4

B22-020-SB-1 B22-020-SB-4

B22-044-SB-1 B22-044-SB-4

B22-061-SB-1 B22-061-SB-5

B22-072-SB-1

B22-045-SB-1

B22-039-SB-1 B22-039-SB-4

B22-046-SB-1 B22-046-SB-4

B22-040-SB-1 B22-040-SB-4

B22-055-SB-1 B22-055-SB-8.5

B22-056-SB-1 B22-056-SB-5

B22-129-SB-1 B22-129-SB-4

B22-128-SB-1

B22-177-SB-1 B22-177-SB-5

B22-077-SB-1 B22-077-SB-5

B22-175-SB-1 B22-175-SB-4

B22-170-SB-1 B22-170-SB-4

B22-130-SB-1 B22-130-SB-4

B22-173-SB-1 B22-173-SB-4

B22-078-SB-1 B22-078-SB-7.5

B22-079-SB-1 B22-079-SB-4

B22-179-SB-1 B22-179-SB-6

B22-048-SB-1 B22-048-SB-5

B22-041-SB-1 B22-041-SB-5

B22-172-SB-1 B22-172-SB-5

B22-131-SB-1 B22-131-SB-5

B22-132-SB-1 B22-132-SB-5

B22-138-SB-1 B22-138-SB-8

Parcel B7

B22-139-SB-1 B22-139-SB-4

Parcel B2

B22-143-SB-1 B22-143-SB-5

B22-142-SB-1 B22-142-SB-5

B22-171-SB-1 B22-171-SB-5

B22-140-SB-1 B22-140-SB-5

Parcel B3

B22-137-SB-1 B22-137-SB-8

B22-141-SB-1 B22-141-SB-5

Parcel B22 Soil Borings
Phase II TPH Exceedances (mg/kg)

July 30, 2019

Figure S3

ARM Group Inc.
Engineers and Scientists

0 75 150 300 Feet

Tradepoint Atlantic

Baltimore County, MD

EnviroAnalytics Group

ARM Project 150300M-20

Phase II Soil Boring

Parcel Boundary

Parcel B16

B22-100-SB-1
Arsenic: 9.1
B22-100-SB-6
Manganese: 29,100
B22-100-SB-10

B22-153-SB-1
Arsenic: 5.1
Lead: 866
B22-153-SB-4
Arsenic: 9.8
Manganese: 27,400 J-

B22-159-SB-1
Arsenic: 11.7
Manganese: 59,500 J-

B22-152-SB-1
Arsenic: 11.1
Manganese: 31,900
B22-152-SB-6
Arsenic: 13.7
Manganese: 37,900

B22-119-SB-1
B22-119-SB-9
Arsenic: 4.1
B22-119-SB-10
Arsenic: 6.2

B22-115-SB-1
Arsenic: 8.8
Manganese: 31,600 J-
B22-115-SB-8.5
Arsenic: 13.3

B22-178-SB-1
Arsenic: 10.3
Manganese: 27,300
B22-178-SB-6
Arsenic: 7.5

B22-117-SB-1
Arsenic: 9.9
B22-117-SB-4
Arsenic: 10.4
B22-117-SB-10
Arsenic: 8.4

B22-166-SB-1
Arsenic: 10.7
Manganese: 47,600 J-
Vanadium: 9,940
B22-166-SB-4
Arsenic: 11.3
Manganese: 48,600 J-

B22-071-SB-1
Arsenic: 4.8
B22-071-SB-4
Arsenic: 6.6
Manganese: 40,800

B22-174-SB-1
Arsenic: 6.5
B22-174-SB-4
Arsenic: 9.8

B22-116-SB-1
Arsenic: 6.3
Manganese: 27,200
B22-116-SB-8.5
Arsenic: 3.4
Lead: 2,850

B22-099-SB-1
Arsenic: 16.7
B22-099-SB-7
Arsenic: 5.5
B22-099-SB-9.5
Arsenic: 16.0

B22-158-SB-1
Arsenic: 7.9
B22-158-SB-8
Arsenic: 9.7
Manganese: 41,100
B22-158-SB-10
Arsenic: 4.9
Manganese: 51,000

B22-148-SB-1
Arsenic: 8.2
Lead: 1,030
B22-148-SB-6
Arsenic: 40.8
B22-148-SB-10
Arsenic: 7.5

B22-118-SB-1
Arsenic: 8.4
B22-118-SB-9
Arsenic: 4.3
Manganese: 41,400
B22-118-SB-10
Arsenic: 4.3
Manganese: 45,400

B22-062-SB-1
Arsenic: 3.5
B22-062-SB-4
Arsenic: 4.9
Manganese: 29,400

B22-121-SB-1
Arsenic: 11.0
B22-121-SB-9
Arsenic: 10.2
B22-121-SB-10
Arsenic: 20.5

B22-120-SB-1
Arsenic: 23.9
B22-120-SB-8
Arsenic: 3.2

B22-114-SB-1
Arsenic: 13.3
B22-114-SB-10
Arsenic: 5.6

B22-031-SB-1
Arsenic: 11.4
Manganese: 51,900
B22-031-SB-4
Arsenic: 9.8
B22-031-SB-10
Arsenic: 22.8

B22-149-SB-1
Arsenic: 16.3
B22-149-SB-8
Arsenic: 24.0

B22-113-SB-1
Chromium VI: 8.5
B22-113-SB-4
Arsenic: 6.8

B22-125-SB-1
Arsenic: 6.2
B22-125-SB-4
Arsenic: 6.5
B22-125-SB-10
Arsenic: 6.2

B22-126-SB-1
Arsenic: 6.8
B22-126-SB-6
Arsenic: 6.8
B22-126-SB-10
Arsenic: 7.1

B22-012-SB-1
Arsenic: 6.0
B22-012-SB-4
Arsenic: 7.6

B22-032-SB-1
Arsenic: 8.7
Manganese: 46,600
B22-032-SB-4
Arsenic: 3.8
B22-032-SB-10
Arsenic: 5.3

B22-023-SB-1
Arsenic: 21.4
B22-023-SB-9
Arsenic: 10.5
B22-023-SB-10

B22-112-SB-1
B22-112-SB-4
Arsenic: 4.2
B22-112-SB-10
Arsenic: 6.0

B22-127-SB-1
Arsenic: 3.7
B22-127-SB-7

B22-154-SB-1
Arsenic: 3.9
B22-154-SB-5

B22-011-SB-1
Arsenic: 7.7
B22-011-SB-4
Arsenic: 3.4
Manganese: 32,000

B22-024-SB-1
Arsenic: 5.9
B22-024-SB-4
Arsenic: 15.2

B22-176-SB-1
Arsenic: 4.4
B22-176-SB-8
Arsenic: 7.2

B22-157-SB-1
Arsenic: 5.1

B22-144-SB-1
B22-144-SB-7

B22-006-SB-1
Arsenic: 3.0
B22-006-SB-7
Arsenic: 3.8

B22-155-SB-1
Arsenic: 3.4
B22-155-SB-5

B22-102-SB-1
Arsenic: 7.7
B22-102-SB-5
Arsenic: 4.7

B22-109-SB-1
Arsenic: 4.5
B22-109-SB-4.5
Arsenic: 3.2

B22-156-SB-1
Manganese: 31,400
B22-156-SB-4.5
Arsenic: 5.8

B22-145-SB-1
Arsenic: 5.9
Lead: 900
B22-145-SB-4
Arsenic: 4.2
B22-145-SB-10
Arsenic: 3.3

B22-067-SB-1
B22-067-SB-7
Arsenic: 5.2
B22-067-SB-10
Arsenic: 5.0

B22-005-SB-1
Arsenic: 4.7
B22-005-SB-4
Arsenic: 10.1
Thallium: 15.4
B22-005-SB-10
Arsenic: 4.8

B22-101-SB-1
Arsenic: 7.5
B22-101-SB-5
Arsenic: 3.6

B22-110-SB-1
Arsenic: 5.2
Lead: 1,270
B22-110-SB-4
Arsenic: 33.5
Lead: 997

B22-025-SB-4
Arsenic: 3.8

B22-069-SB-1
B22-069-SB-4
Arsenic: 7.5
B22-069-SB-10
Arsenic: 39.8

B22-026-SB-1
Arsenic: 16.3
Chromium VI: 29.5
Lead: 6,870
B22-026-SB-9
Arsenic: 11.7

B22-030-SB-1
Arsenic: 6.7
B22-030-SB-5
Arsenic: 5.9
B22-030-SB-10

B22-029-SB-1
B22-029-SB-6
Arsenic: 3.1

B22-033-SB-1
Arsenic: 4.8
Chromium VI: 12.5
Manganese: 29,400

B22-106-SB-1
Arsenic: 3.0
B22-106-SB-8.5
Arsenic: 4.3

B22-111-SB-1
Arsenic: 5.6
B22-111-SB-8
Arsenic: 3.2

B22-167-SB-1
Arsenic: 3.8
B22-167-SB-5
B22-167-SB-10
Arsenic: 12.3

B22-068-SB-1
Arsenic: 3.3
B22-068-SB-6

B22-070-SB-1
Arsenic: 4.3
B22-070-SB-9

B22-059-SB-1
Arsenic: 13.1
Lead: 1,230
B22-059-SB-4
Arsenic: 18.6
Lead: 976

B22-097-SB-1
Arsenic: 8.1
B22-097-SB-9
Arsenic: 20.9
Lead: 1,960

B22-028-SB-1
Arsenic: 3.0
Lead: 816

B22-027-SB-1
B22-027-SB-5

B22-034-SB-1
Arsenic: 3.7
Chromium VI: 10.8
Manganese: 27,500

B22-060-SB-1
B22-060-SB-4
Arsenic: 8.7
Manganese: 43,800

B22-098-SB-1
Arsenic: 8.8
B22-098-SB-4
Arsenic: 11.6
Lead: 1,790
B22-098-SB-10
Arsenic: 6.7

B22-096-SB-1
Arsenic: 4.1
B22-096-SB-9
Arsenic: 4.1
B22-096-SB-10
Arsenic: 7.8

B22-054-SB-1
B22-054-SB-4
Arsenic: 3.3
B22-054-SB-10
Arsenic: 10.6

B22-036-SB-1
Arsenic: 4.4
Manganese: 27,000 J
B22-036-SB-4
Arsenic: 3.1
Manganese: 31,500 J

B22-107-SB-1
Arsenic: 9.0
Lead: 4,070
B22-107-SB-5
Arsenic: 4.4
B22-107-SB-10
Arsenic: 7.3

B22-088-SB-1
Arsenic: 28.7
Manganese: 46,000
B22-088-SB-6
Arsenic: 10.8
Manganese: 31,800

B22-089-SB-1
Arsenic: 3.9
B22-089-SB-5

B22-087-SB-1
Arsenic: 5.2
B22-087-SB-5
Arsenic: 4.5
B22-087-SB-10

Parcel B21

B22-053-SB-1
Arsenic: 19.1
Lead: 1,500
B22-053-SB-8
Arsenic: 5.9
B22-053-SB-10
Arsenic: 9.7

B22-035-SB-1
Arsenic: 5.9

B22-014-SB-1
Arsenic: 5.4
B22-014-SB-5
Arsenic: 4.3
B22-014-SB-10
Arsenic: 8.2

B22-108-SB-1
Arsenic: 5.1
B22-108-SB-5
Arsenic: 6.2

B22-013-SB-1
Arsenic: 3.7
B22-013-SB-4

B22-168-SB-1
B22-168-SB-4

B22-169-SB-1
B22-169-SB-4

Parcel B6

B22-095-SB-1
Arsenic: 8.6
B22-095-SB-6
Arsenic: 3.9

B22-090-SB-1
B22-090-SB-5
Arsenic: 5.0

B22-086-SB-1
Arsenic: 4.0
B22-086-SB-5
Arsenic: 6.3
B22-086-SB-10
Arsenic: 23.8

B22-085-SB-1
Arsenic: 5.8

B22-084-SB-1
Arsenic: 10.6

B22-163-SB-1
Arsenic: 4.2
B22-163-SB-5
Arsenic: 7.8

B22-094-SB-1
B22-094-SB-4
Arsenic: 6.6

B22-051-SB-1
Arsenic: 14.0
B22-051-SB-6

B22-052-SB-1
B22-052-SB-8
Arsenic: 3.6

B22-162-SB-1
Arsenic: 8.7
B22-162-SB-5
Arsenic: 3.9

B22-164-SB-1
Arsenic: 3.2
B22-164-SB-6
Arsenic: 6.0

B22-015-SB-1
Arsenic: 5.5
B22-015-SB-4
Arsenic: 6.8

Parcel B22

B22-038-SB-1
Arsenic: 11.3

B22-064-SB-1
B22-064-SB-7

B22-165-SB-1
Arsenic: 4.3
B22-165-SB-4
Arsenic: 5.5

B22-037-SB-1
Arsenic: 4.2

B22-065-SB-1
B22-065-SB-7

B22-058-SB-1
B22-058-SB-7
Arsenic: 22.3
B22-058-SB-10
Arsenic: 4.4

B22-016-SB-1
Arsenic: 7.5
B22-016-SB-5
Arsenic: 7.6

B22-017-SB-1
Arsenic: 4.1
B22-017-SB-6
Arsenic: 5.4
B22-017-SB-10
Arsenic: 5.0

B22-043-SB-1
Arsenic: 15.3
B22-043-SB-4

B22-047-SB-1
Arsenic: 14.2
Chromium VI: 17.0
Lead: 6,600
B22-047-SB-5
Arsenic: 6.7
B22-047-SB-10
Arsenic: 5.0

B22-057-SB-1

B22-018-SB-1
Arsenic: 3.6
B22-018-SB-6
Arsenic: 19.2
B22-018-SB-10
Arsenic: 8.4

B22-161-SB-1
Arsenic: 6.0
Manganese: 36,500 J
Vanadium: 6,800
B22-161-SB-4.5
Arsenic: 5.0

B22-104-SB-1
Arsenic: 6.1
B22-104-SB-4
Arsenic: 9.4

B22-135-SB-1
Arsenic: 9.9
Chromium VI: 11.0 J-
B22-135-SB-8
Arsenic: 8.5

B22-002-SB-1
Arsenic: 11.6
B22-002-SB-7
Arsenic: 7.6
B22-002-SB-10

B22-092-SB-1
B22-092-SB-4

B22-093-SB-1
Arsenic: 7.6
B22-093-SB-5
Arsenic: 6.6
B22-093-SB-10
Arsenic: 21.7

B22-105-SB-1
Arsenic: 4.2
B22-105-SB-4
Arsenic: 4.0
B22-105-SB-10
Arsenic: 7.7

B22-080-SB-1
Arsenic: 7.1
B22-080-SB-5
Arsenic: 18.9

B22-134-SB-1
Arsenic: 6.8
B22-134-SB-7
Arsenic: 6.4

B22-091-SB-1
Arsenic: 15.4
B22-091-SB-4
Arsenic: 5.7

B22-003-SB-1
Arsenic: 4.3
B22-003-SB-4
Arsenic: 5.7

B22-004-SB-1
Arsenic: 3.8
B22-004-SB-4

B22-076-SB-1

B22-075-SB-1
Arsenic: 3.7
B22-075-SB-4
Arsenic: 10.8

B22-136-SB-1
Arsenic: 3.1
B22-136-SB-5
Arsenic: 8.8

B22-001-SB-1
Arsenic: 9.3
B22-001-SB-4
Arsenic: 17.6

B22-160-SB-1

B22-150-SB-1
B22-150-SB-5
Arsenic: 6.1

B22-151-SB-1

B22-050-SB-1
Arsenic: 5.9
B22-050-SB-4.5
Arsenic: 3.7

B22-074-SB-1
Arsenic: 672

B22-103-SB-1
Arsenic: 6.9
B22-103-SB-4
Arsenic: 3.3

B22-066-SB-1
Arsenic: 6.4
B22-066-SB-9

B22-147-SB-1
Arsenic: 7.9
B22-147-SB-5.5
Arsenic: 5.5

B22-146-SB-1
Arsenic: 13.0
B22-146-SB-5
Arsenic: 3.8

B22-049-SB-1
B22-049-SB-5

B22-022-SB-1
B22-022-SB-7

B22-021-SB-1
Arsenic: 6.4
B22-021-SB-5

B22-008-SB-1
B22-008-SB-4
Manganese: 26,700 J

B22-081-SB-1
Arsenic: 4.5
B22-081-SB-4
Arsenic: 6.2
B22-081-SB-10
Arsenic: 8.5

B22-083-SB-1
B22-083-SB-4
Arsenic: 3.0

B22-082-SB-1
Arsenic: 11.7
B22-082-SB-4

B22-133-SB-1
Arsenic: 3.2
B22-133-SB-5
Arsenic: 5.6

B22-063-SB-1
Arsenic: 8.3
Chromium VI: 7.2 J-
B22-063-SB-9
Arsenic: 3.8
B22-063-SB-10

B22-073-SB-1
Arsenic: 13.4
B22-073-SB-5
Arsenic: 14.3

B22-122-SB-1
Arsenic: 14.5

B22-123-SB-1

B22-009-SB-1
B22-009-SB-6

B22-010-SB-1
Arsenic: 6.9
B22-010-SB-4
Arsenic: 11.2

B22-042-SB-1
Arsenic: 3.9
B22-042-SB-4
Arsenic: 4.8
B22-042-SB-10
Arsenic: 20.1

B22-007-SB-1
B22-007-SB-4

B22-019-SB-1
B22-019-SB-6
Arsenic: 25.3
B22-019-SB-10
Arsenic: 7.2

B22-124-SB-1
Arsenic: 3.2
B22-124-SB-4
Arsenic: 12.4

B22-045-SB-1
Arsenic: 12.0

B22-020-SB-1
Arsenic: 5.9
B22-020-SB-4
Arsenic: 110
B22-020-SB-10
Arsenic: 14.0

B22-061-SB-1
Arsenic: 11.1
B22-061-SB-5
Arsenic: 5.8

B22-072-SB-1
Arsenic: 6.6

B22-046-SB-1
Arsenic: 4.9
Manganese: 52,300 J
B22-046-SB-4
Arsenic: 6.7

B22-044-SB-1
Arsenic: 3.4
B22-044-SB-4

B22-055-SB-1
Arsenic: 18.9
B22-055-SB-8.5
Arsenic: 5.9

B22-039-SB-1
Arsenic: 4.4
B22-039-SB-4

B22-040-SB-1
B22-040-SB-4

B22-039A-SB-3
Arsenic: 4.8

B22-129-SB-1
Arsenic: 9.9
B22-129-SB-4
Arsenic: 4.7

B22-128-SB-1
Arsenic: 4.0
Manganese: 26,400 J

B22-177-SB-1
B22-177-SB-5
Arsenic: 5.5

B22-056-SB-1
B22-056-SB-5

B22-077-SB-1
Arsenic: 3.9
B22-077-SB-5
Arsenic: 3.0

B22-175-SB-1
Thallium: 17.3
B22-175-SB-4
Arsenic: 5.8
Lead: 3,340

B22-170-SB-1
Arsenic: 3.9
B22-170-SB-4
Arsenic: 12.2

B22-130-SB-1
Arsenic: 9.8
Chromium VI: 11.7 J-
Manganese: 29,100 J
B22-130-SB-4
Arsenic: 4.8

B22-173-SB-1
Arsenic: 5.6
B22-173-SB-4
Arsenic: 3.4

B22-078-SB-1
Arsenic: 8.3
B22-078-SB-7.5
Arsenic: 7.3

B22-079-SB-1
Arsenic: 7.1
B22-079-SB-4

B22-179-SB-1
B22-179-SB-6
Arsenic: 3.6

B22-172-SB-1
Arsenic: 5.9
B22-172-SB-5
Arsenic: 3.9

B22-041-SB-1
Arsenic: 9.5
Manganese: 71,600
B22-041-SB-5
Arsenic: 4.9
B22-041-SB-10
Arsenic: 5.3

B22-048-SB-1
Arsenic: 6.3
Manganese: 27,800
B22-048-SB-5
Arsenic: 5.2
B22-048-SB-10
Arsenic: 9.8

B22-131-SB-1
Arsenic: 5.1
B22-131-SB-5
Arsenic: 12.5

B22-132-SB-1
Arsenic: 3.0
B22-132-SB-5
Arsenic: 11.8

B22-138-SB-1
Arsenic: 4.7
B22-138-SB-8
Arsenic: 4.9
B22-138-SB-10

B22-139-SB-1
Arsenic: 17.5
B22-139-SB-4
Arsenic: 8.8

Parcel B7

Parcel B2

B22-171-SB-1
Arsenic: 6.5
Chromium VI: 11.4
Manganese: 35,900
B22-171-SB-5
Arsenic: 14.0
B22-171-SB-10
Arsenic: 3.5

B22-143-SB-1
Arsenic: 5.3
Manganese: 30,600
B22-143-SB-5
Arsenic: 5.1
Manganese: 27,900
B22-143-SB-10
Arsenic: 4.0

B22-142-SB-1
Arsenic: 4.8
Manganese: 28,500
B22-142-SB-5
Arsenic: 3.0
Manganese: 28,600

B22-140-SB-1
Chromium VI: 7.8 J-
Manganese: 29,900
B22-140-SB-5
Arsenic: 6.0
B22-140-SB-10

Parcel B3

B22-137-SB-1
Arsenic: 5.5
Manganese: 30,400
B22-137-SB-8
Arsenic: 5.0

B22-141-SB-1
Arsenic: 4.2
B22-141-SB-5
Arsenic: 6.1

Parcel B22 Soil Borings
Phase II Inorganic Exceedances (mg/kg)

July 25, 2019

Figure S4

ARM Group Inc.
Engineers and Scientists

0 75 150 300 Feet

Tradepoint Atlantic

Baltimore County, MD

EnviroAnalytics Group

ARM Project 150300M-20

TABLES

TABLE 1
HISTORICAL SITE DRAWING DETAILS

Set Name	Typical Features Shown	Drawing Number	Original Date Drawn	Latest Revision Date
Plant Arrangement	Roads, water bodies, building/structure footprints, electric lines, above-ground pipelines (e.g.: steam, nitrogen, etc.)	5034	6/23/1958	3/19/1982
		5035	9/1/1958	3/19/1982
		5040	6/15/1958	3/19/1982
		5041	6/15/1958	3/19/1982
		5045	9/21/1959	3/19/1982
		5046	9/21/1959	3/19/1982
		5050	*Unknown*	3/18/1982
		5051	6/1/1960	3/19/1982
Plant Index	Roads, water bodies, demolished buildings/structures, electric lines, above-ground pipelines	5134	*Unknown*	1/8/2008
		5135	*Unknown*	7/11/2008
		5140	*Unknown*	8/15/2008
		5141	*Unknown*	9/27/2010
		5145	*Unknown*	8/18/2008
		5146	*Unknown*	8/18/2008
		5150	*Unknown*	8/18/2008
		5151	*Unknown*	2/21/2008
Plant Sewer Lines	Same as above plus trenches, sumps, underground piping (includes pipe materials)	5534	8/28/1959	3/19/1976
		5535	*Unknown*	5/28/1976
		5540	6/15/1958	7/14/1991
		5541	9/6/1959	10/6/1993
		5545	9/21/1959	6/6/1985
		5546	10/15/1959	6/9/1993
		5550	9/16/1959	3/5/1976
		5551	9/16/1959	3/5/1976
Drip Legs	Coke Oven Gas Drip Legs Locations	5885B	*Unknown*	Sept. 1988
		5886B	*Unknown*	Sept. 1988

TABLE 2
FIELD SHIFTED BORING LOCATIONS

Location ID	Sample Target	Proposed Location*		Final Location*		Relocation Distance & Direction		Rationale
		Northing	Easting	Northing	Easting			
B22-001-SB	AOC A (Former PCB Spill Area)	569,197	1,462,302	569,199	1,462,331	30 ft	E	Shifted out of open pit
B22-002-SB	AOC A (Former PCB Spill Area)	569,247	1,462,297	569,251	1,462,328	32 ft	E	Shifted out of open pit
B22-013-SB	Drip Leg	569,889	1,461,353	569,885	1,461,349	6 ft	SW	Refusal
B22-014-SB	Drip Leg	569,925	1,461,345	569,936	1,461,346	11 ft	N	Refusal
B22-015-SB	Drip Leg	569,570	1,461,636	1,461,636	1,461,629	24 ft	SW	Access/Refusal
B22-016-SB	Drip Leg	569,546	1,461,639	569,525	1,461,632	22 ft	SW	Access/Refusal
B22-017-SB	Drip Leg	569,409	1,461,699	569,412	1,461,703	5 ft	NE	Refusal
B22-023-SB	Drip Leg	570,836	1,461,025	570,831	1,461,013	13 ft	SW	Refusal
B22-024-SB	Drip Leg	570,807	1,461,038	570,798	1,461,018	22 ft	SW	Refusal
B22-026-SB	Drip Leg	570,498	1,460,879	570,487	1,460,881	12 ft	S	Refusal
B22-027-SB	Drip Leg	570,325	1,461,078	570,324	1,461,074	3 ft	W	Access (during staking)
B22-028-SB	Drip Leg	570,332	1,461,023	570,331	1,461,007	16 ft	W	Refusal; poor recovery - only cement and rubble
B22-031-SB	Drip Leg	571,053	1,460,859	571,099	1,460,871	47 ft	N	Access (during staking)
B22-033-SB	Drip Leg	570,373	1,461,249	570,370	1,461,244	6 ft	SW	Refusal
B22-035-SB	Drip Leg	570,085	1,461,266	570,086	1,461,249	17 ft	E	Refusal
B22-036-SB	Drip Leg	570,079	1,461,283	570,116	1,461,300	40 ft	NE	Refusal
B22-038-SB	Drip Leg	569,520	1,461,238	569,518	1,461,243	5 ft	SE	Refusal
B22-039-SB	Drip Leg	568,690	1,461,769	568,704	1,461,770	14 ft	N	Void hit; Refusal
B22-039A-SB	Drip Leg	N/A	N/A	568,696	1,461,768	6 ft	N	Void hit; Refusal
B22-040-SB	Drip Leg	568,694	1,461,801	568,695	1,461,797	4 ft	W	Refusal
B22-051-SB	Fuel Department	569,657	1,461,365	569,651	1,461,362	6 ft	S	Refusal
B22-057-SB	Lube Oil Room	569,358	1,461,381	569,347	1,461,368	18 ft	SW	Refusal
B22-059-SB	Lube Shop	570,220	1,460,791	570,224	1,460,806	15 ft	E	Rubble stockpile; Refusal
B22-060-SB	Lube Shop	570,195	1,460,802	570,201	1,460,805	6 ft	SW	Refusal
B22-063-SB	Oil House	569,064	1,462,248	569,057	1,462,219	29 ft	W	Shifted out of basement/pit
B22-064-SB	Oil House	569,457	1,461,388	569,470	1,461,388	13 ft	N	Offset due to core barrel stuck in ground; Refusal
B22-065-SB	Oil House	569,440	1,461,391	569,455	1,461,388	15 ft	N	Refusal
B22-066-SB	Oil House	569,083	1,462,246	569,087	1,462,216	30 ft	W	Shifted out of basement/pit
B22-067-SB	Oil House	570,709	1,461,862	570,699	1,461,877	18 ft	SE	Refusal
B22-068-SB	Oil House	570,375	1,462,022	570,376	1,462,013	9 ft	W	Access issues due to concrete pad
B22-070-SB	Oil House	570,376	1,462,037	570,372	1,462,040	6 ft	SE	Access issues due to concrete pad
B22-073-SB	Mech. Maintenance Shop	569,003	1,461,323	568,975	1,461,314	29 ft	S	Refusal
B22-075-SB	Possible PCB-Contaminated Area	569,173	1,461,930	569,175	1,461,934	4 ft	E	Refusal
B22-076-SB	Possible PCB-Contaminated Area	569,236	1,461,931	569,223	1,461,932	13 ft	S	Refusal
B22-080-SB	Possible PCB-Contaminated Area	569,218	1,461,872	569,214	1,461,873	4 ft	S	Refusal

TABLE 2
FIELD SHIFTED BORING LOCATIONS

Location ID	Sample Target	Proposed Location*		Final Location*		Relocation Distance & Direction		Rationale
		Northing	Easting	Northing	Easting			
B22-081-SB	Possible PCB-Contaminated Area	569,087	1,461,911	569,074	1,461,900	17 ft	SW	Refsual
B22-082-SB	Possible PCB-Contaminated Area	569,031	1,461,918	569,041	1,461,905	17 ft	NW	Refusal
B22-084-SB	Possible PCB-Contaminated Area	569,719	1,461,550	569,722	1,461,547	4 ft	NW	Refusal
B22-086-SB	Possible PCB-Contaminated Area	569,685	1,461,461	569,706	1,461,462	22 ft	S	Metal beams in concrete; Refusal
B22-087-SB	Possible PCB-Contaminated Area	570,152	1,462,125	570,151	1,462,128	3 ft	SE	Refusal
B22-089-SB	Possible PCB-Contaminated Area	570,204	1,462,154	570,209	1,462,172	18 ft	E	Large/deep standing water on concrete slab
B22-090-SB	Possible PCB-Contaminated Area	569,705	1,461,159	569,681	1,461,175	29 ft	SE	Access (during staking)
B22-094-SB	Possible PCB-Contaminated Area	569,649	1,461,167	569,656	1,461,167	7 ft	N	Refusal
B22-095-SB	Possible PCB-Contaminated Area	569,674	1,461,093	569,706	1,461,130	49 ft	NE	Access (during staking)
B22-096-SB	Possible PCB-Contaminated Area	570,207	1,460,992	570,200	1,460,989	8 ft	SW	Concrete/metal trench
B22-097-SB	Possible PCB-Contaminated Area	570,243	1,460,916	570,251	1,460,907	13 ft	NW	Refusal
B22-099-SB	Pump House (Fuel Oil)	571,229	1,460,862	571,230	1,460,865	4 ft	E	Refusal
B22-105-SB	REC 1I and SWMU 54 (Coating Lines Blind Sumps)	569,210	1,461,484	569,213	1,461,488	5 ft	NE	Refusal
B22-108-SB	REC 1J and SWMU 58 (Cold Sheet Mill Piping)	569,905	1,461,445	569,898	1,461,454	12 ft	SE	Refusal
B22-109-SB	REC 1K and SWMU 59 (Tandem Mill Trench System)	570,702	1,461,382	570,708	1,461,384	6 ft	N	Refusal
B22-110-SB	REC 1K and SWMU 59 (Tandem Mill Trench System)	570,632	1,461,235	570,650	1,461,234	17 ft	N	Refusal
B22-116-SB	REC 1P and SWMU 72 (PORI Holding Tank)	571,216	1,461,389	571,236	1,461,393	20 ft	N	Refusal
B22-120-SB	REC 1Q and SWMU 73 (PORI Lagoon)	571,168	1,461,287	571,162	1,461,300	15 ft	SE	Reinforced concrete; Refusal
B22-126-SB	REC 1U and SWMU 198 (Spent Pickle Liquor Sump / Trench) & REC 1W and AOC W (Spent Pickle Liquor Tanks)	570,970	1,461,770	570,964	1,461,770	6 ft	S	Refusal
B22-129-SB	REC 1Y (Drum Handling Area)	568,645	1,462,281	568,628	1,462,280	17 ft	S	Refusal
B22-159-SB	Tank (Palm Oil)	571,301	1,460,786	571,311	1,460,784	10 ft	N	Refusal
B22-160-SB	Tank (Palm Oil)	569,159	1,460,938	569,159	1,460,919	18 ft	W	Refusal
B22-162-SB	Tank (Unknown)	569,612	1,460,966	569,623	1,460,964	11 ft	N	Refusal
B22-163-SB	Tank (Unknown)	569,610	1,460,989	569,621	1,460,987	11 ft	N	Refusal
B22-164-SB	Tank (Unknown)	569,563	1,461,109	569,560	1,461,110	3 ft	S	Access/Refusal
B22-165-SB	Tank (Unknown)	569,553	1,461,131	569,551	1,461,131	2 ft	S	Access/Refusal
B22-167-SB	Spatial Coverage	570,296	1,461,775	570,309	1,461,779	14 ft	NE	Refusal
B22-175-SB	Possible PCB-Contaminated Area - MDE Request	568,453	1,461,544	568,443	1,461,545	10 ft	S	Refusal
B22-176-SB	Pump Shelter (Gasoline) - MDE Request	570,731	1,461,173	570,734	1,461,180	7 ft	NE	Access/Refusal
B22-177-SB	Pump House/Pit - MDE Request	568,600	1,462,375	568,574	1,462,348	38 ft	SW	Access/Refusal
B22-178-SB	Pump Station - MDE Request	571,509	1,461,932	571,494	1,461,940	17 ft	S	Active utilities
B22-179-SB	Pump Station - MDE Request	568,361	1,462,080	568,362	1,462,045	34 ft	W	Access/Refusal

*Reported northings and eastings are not survey accurate. Coordinates are reported in NAD 1983 Maryland State Plane (US feet).
N/A = Not applicable

TABLE 3
CHARACTERIZATION RESULTS FOR SOLID IDW

Sample ID	Parameter	Result (mg/L)	TCLP Limit (mg/L)	TCLP Exceedance	Laboratory Flag	Laboratory LOQ (mg/L)
B22 Waste Disposal (6/30/2016)	1,1-Dichloroethene	0.05	0.7	no	U	0.05
	1,2-Dichloroethane	0.05	0.5	no	U	0.05
	1,4-Dichlorobenzene	0.5	7.5	no	U	0.5
	2,4,5-Trichlorophenol	5	400	no	U	5
	2,4,6-Trichlorophenol	0.1	2	no	U	0.1
	2,4-Dinitrotoluene	0.1	0.13	no	U	0.1
	2-Butanone (MEK)	5	200	no	U	5
	2-Methylphenol	2	200	no	U	2
	3&4-Methylphenol(m&p Cresol)	2	200	no	U	2
	Arsenic	0.0086	5	no	B	0.05
	Barium	0.21	100	no	B	1
	Benzene	0.05	0.5	no	U	0.05
	Cadmium	0.0011	1	no	B	0.05
	Carbon tetrachloride	0.05	0.5	no	U	0.05
	Chlorobenzene	1	100	no	U	1
	Chloroform	0.5	6	no	U	0.5
	Chromium	0.0017	5	no	B	0.05
	Hexachlorobenzene	0.1	0.13	no	U	0.1
	Hexachloroethane	0.5	3	no	U	0.5
	Lead	0.1	5	no	U	0.1
	Mercury	0.001	0.2	no	U	0.001
	Nitrobenzene	0.1	2	no	U	0.1
	Pentachlorophenol	5	100	no	U	5
	Selenium	0.0056	1	no	B	0.1
	Silver	0.05	5	no	U	0.05
	Tetrachloroethene	0.05	0.7	no	U	0.05
	Trichloroethene	0.05	0.5	no	U	0.05
	Vinyl chloride	0.05	0.2	no	U	0.05

B: The analyte was not detected substantiallly above the level of the associated method blank or field blank.
U: The analyte was not detected in the sample. The numeric value represents the sample LOQ.
TCLP: Toxicity Characteristic Leaching Procedure
LOQ: Limit of Quantitation

TABLE 4
CHARACTERIZATION RESULTS FOR LIQUID IDW

Sample ID	Parameter	Result (mg/L)	TCLP Limit (mg/L)	TCLP Exceedance	Laboratory Flag	Laboratory LOQ (mg/L)
Water Disposal (7/22/2016)	1,1-Dichloroethene	0.001	0.7	no	U	0.001
	1,2-Dichloroethane	0.001	0.5	no	U	0.001
	1,4-Dichlorobenzene	0.001	7.5	no	U	0.001
	2-Butanone (MEK)	0.01	200	no	U	0.01
	Arsenic	0.005	5	no	U	0.005
	Barium	0.0466	100	no		0.01
	Benzene	0.001	0.5	no	U	0.001
	Cadmium	0.003	1	no	U	0.003
	Carbon tetrachloride	0.001	0.5	no	U	0.001
	Chlorobenzene	0.001	100	no	U	0.001
	Chloroform	0.001	6	no	U	0.001
	Chromium	0.0011	5	no	J	0.005
	Lead	0.005	5	no	U	0.005
	Mercury	0.0002	0.2	no	U	0.0002
	Selenium	0.008	1	no	U	0.008
	Silver	0.006	5	no	U	0.006
	Tetrachloroethene	0.0035	0.7	no		0.001
	Trichloroethene	0.003	0.5	no		0.001
	Vinyl chloride	0.001	0.2	no	U	0.001

J: The positive result reported for this analyte is a quantitative estimate below the laboratory LOQ.
U: The analyte was not detected in the sample. The numeric value represents the sample LOQ.
TCLP: Toxicity Characteristic Leaching Procedure
LOQ: Limit of Quantitation

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-001-SB-1	B22-001-SB-4	B22-002-SB-1	B22-002-SB-7	B22-003-SB-1	B22-003-SB-4	B22-004-SB-1	B22-004-SB-4	B22-005-SB-1*	B22-005-SB-4*	B22-005-SB-10*	B22-006-SB-1*	B22-006-SB-7*	B22-007-SB-1	B22-007-SB-4	B22-008-SB-1	B22-008-SB-4	B22-009-SB-1	B22-009-SB-6	B22-010-SB-1	B22-010-SB-4	B22-011-SB-1*
Volatile Organic Compounds																								
1,1,1-Trichloroethane	mg/kg	36,000	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.053 U	0.045 U	0.036 U	0.05 U	0.056 U	0.049 U	0.049 U	0.044 U	0.044 U	0.047 U	N/A	0.046 U	0.042 U	0.054 U	0.054 U	0.076 U	0.051 U	0.043 UJ	0.065 UJ	0.052 UJ	0.051 UJ	0.046 U
1,1,2-Trichloroethane	mg/kg	5	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
1,1-Dichloroethane	mg/kg	16	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
1,1-Dichloroethene	mg/kg	1,000	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
1,2,3-Trichlorobenzene	mg/kg	930	0.0053 UJ	0.0045 UJ	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
1,2,4-Trichlorobenzene	mg/kg	110	0.0053 UJ	0.0045 UJ	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	**0.0026 J**	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
1,2-Dichloroethane	mg/kg	2	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
1,2-Dichloroethene (Total)	mg/kg	2,300	0.011 U	0.0091 U	0.0071 U	0.01 U	0.011 U	0.0098 U	0.0098 U	0.0089 U	0.0089 U	0.0094 U	N/A	0.0093 U	0.0083 U	0.011 U	0.011 U	0.015 U	0.01 U	0.0087 U	0.013 U	0.01 U	0.01 U	0.0092 U
1,4-Dichlorobenzene	mg/kg	11	0.0053 UJ	0.0045 UJ	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
1,4-Dioxane	mg/kg	24	0.11 R	0.091 R	0.071 R	0.1 R	0.11 R	0.098 R	0.098 R	0.089 R	0.089 U	0.094 U	N/A	0.093 U	0.083 U	0.11 R	0.11 R	0.15 R	0.1 R	0.087 R	0.13 R	0.1 R	0.1 R	0.092 U
2-Butanone (MEK)	mg/kg	190,000	**0.0047 J**	**0.025**	**0.0028 J**	0.01 U	0.011 U	0.0098 U	0.0098 U	0.0089 U	0.0089 U	**0.0046 J**	N/A	0.0093 U	0.0083 U	0.011 U	0.011 U	0.015 U	0.01 U	0.0087 U	0.013 U	0.01 U	0.01 U	0.0092 U
2-Hexanone	mg/kg	1,300	0.011 U	**0.0029 J**	0.0071 U	0.01 U	0.011 U	0.0098 U	0.0098 U	0.0089 U	0.0089 U	0.0094 U	N/A	0.0093 U	0.0083 U	0.011 U	0.011 U	0.015 U	0.01 U	0.0087 U	0.013 U	0.01 U	0.01 U	0.0092 U
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.011 U	0.0091 U	0.0071 U	0.01 U	0.011 UJ	0.0098 UJ	0.0098 UJ	0.0089 UJ	0.0089 U	0.0094 U	N/A	0.0093 U	0.0083 U	0.011 UJ	0.011 UJ	0.015 UJ	0.01 UJ	0.0087 U	0.013 U	0.01 U	0.01 U	0.0092 U
Acetone	mg/kg	670,000	**0.027**	**0.14**	0.0071 U	**0.022**	0.011 U	0.0057 B	0.0098 U	0.0089 U	**0.0081 J**	**0.019**	N/A	**0.005 J**	0.013 B	0.011 U	**0.019**	**0.026**	0.01 U	0.0087 U	0.013 U	0.01 U	0.01 U	**0.0049 J**
Benzene	mg/kg	5.1	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
Chlorobenzene	mg/kg	1,300	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
Chloroethane	mg/kg	57,000	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 UJ	0.0065 UJ	0.0052 UJ	0.0051 UJ	0.0046 U
Chloroform	mg/kg	1.4	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
cis-1,2-Dichloroethene	mg/kg	2,300	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
Cyclohexane	mg/kg	27,000	0.011 U	0.0091 U	0.0071 U	0.01 U	0.011 UJ	0.0098 UJ	0.0098 UJ	0.0089 UJ	0.0089 U	0.0094 U	N/A	0.0093 U	0.0083 U	0.011 UJ	0.011 UJ	0.015 UJ	0.01 UJ	0.0087 U	0.013 U	0.01 U	0.01 U	0.0092 U
Ethylbenzene	mg/kg	25	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
Isopropylbenzene	mg/kg	9,900	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
Methyl Acetate	mg/kg	1,200,000	0.053 U	0.045 U	0.036 U	0.05 U	0.056 U	0.049 U	0.049 U	0.044 U	0.044 U	0.047 U	N/A	0.046 U	0.042 U	0.054 U	0.054 U	0.076 U	0.051 U	0.043 U	0.065 U	0.052 U	0.051 U	0.046 U
Methylene Chloride	mg/kg	1,000	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
Styrene	mg/kg	35,000	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
Tetrachloroethene	mg/kg	100	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
Toluene	mg/kg	47,000	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
trans-1,2-Dichloroethene	mg/kg	23,000	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
Trichloroethene	mg/kg	6	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
Trichlorofluoromethane	mg/kg	3,100	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
Vinyl chloride	mg/kg	1.7	0.0053 U	0.0045 U	0.0036 U	0.005 U	0.0056 U	0.0049 U	0.0049 U	0.0044 U	0.0044 U	0.0047 U	N/A	0.0046 U	0.0042 U	0.0054 U	0.0054 U	0.0076 U	0.0051 U	0.0043 U	0.0065 U	0.0052 U	0.0051 U	0.0046 U
Xylenes	mg/kg	2,800	0.016 U	0.014 U	0.011 U	0.015 U	0.017 U	0.015 U	0.015 U	0.013 U	0.013 U	0.014 U	N/A	0.014 U	0.012 U	0.016 U	0.016 U	0.023 U	0.015 U	0.013 U	0.019 U	0.016 U	0.015 U	0.014 U
Semi-Volatile Organic Compounds^																								
1,1-Biphenyl	mg/kg	200	**0.015 J**	**0.038 J**	0.069 U	0.081 U	0.091 U	0.081 U	0.078 U	0.083 U	0.071 U	**0.15**	N/A	**0.13**	0.08 U	0.072 U	0.086 U	0.089 U	0.072 U	0.072 U	0.074 U	**0.028 J**	0.077 U	**0.065 J**
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.071 U	0.08 U	0.069 U	0.081 U	0.091 U	0.081 U	0.078 U	0.083 U	0.071 U	0.074 U	N/A	0.073 U	0.08 U	0.072 U	0.086 U	0.089 U	0.072 U	0.072 U	0.074 U	0.075 U	0.077 U	0.072 U
2,4-Dimethylphenol	mg/kg	16,000	**0.13 J**	**0.061 J**	0.069 U	0.081 U	0.091 U	0.081 U	0.078 U	0.083 U	0.071 U	0.074 U	N/A	0.073 U	0.08 U	0.072 R	0.086 R	0.089 UJ	0.072 R	0.072 U	0.074 U	0.075 U	0.077 U	0.072 U
2-Chloronaphthalene	mg/kg	60,000	0.071 U	**0.05 J**	0.069 U	0.081 U	0.091 U	0.081 U	0.078 U	0.083 U	0.071 U	0.074 U	N/A	0.073 U	0.08 U	0.072 U	0.086 U	0.089 U	0.072 U	0.072 U	0.074 U	0.075 U	0.077 U	0.072 U
2-Methylnaphthalene	mg/kg	3,000	**0.026 J**	**0.21**	**0.064 J**	0.0082 U	**0.009 J**	**0.0022 J**	**0.056**	0.0084 U	0.071 U	**0.26**	**0.26**	**0.13**	0.008 U	**0.0061 J**	**0.011**	**0.03**	**0.0024 J**	0.073 U	**0.0032 J**	**0.22**	**0.044**	**0.1**
2-Methylphenol	mg/kg	41,000	**0.14 J**	**0.036 J**	0.069 U	0.081 U	0.091 U	0.081 U	0.078 U	0.083 U	0.071 U	0.074 U	N/A	0.073 U	0.08 U	0.072 R	0.086 R	0.089 UJ	0.072 R	0.072 U	0.074 U	0.075 U	0.077 U	0.072 U
2-Nitroaniline	mg/kg	8,000	0.18 U	0.2 U	0.17 U	0.2 U	0.23 U	0.2 U	0.2 U	0.21 U	0.18 U	0.19 U	N/A	0.18 U	0.2 U	0.18 U	0.22 U	0.22 U	0.18 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	**0.24 J**	**0.078 J**	0.14 U	0.16 U	0.18 U	0.16 U	0.16 U	0.17 U	0.14 U	**0.026 J**	N/A	0.14 U	0.16 U	0.14 R	0.17 R	0.18 UJ	0.14 R	0.14 U	0.15 U	0.15 U	0.15 U	0.14 U
4-Nitroaniline	mg/kg	110	0.18 UJ	0.2 UJ	0.17 UJ	0.2 UJ	0.23 U	0.2 U	0.2 U	0.21 U	0.18 U	0.19 U	N/A	0.18 U	0.2 U	0.18 U	0.22 U	0.22 U	0.18 U	0.18 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.18 U
Acenaphthene	mg/kg	45,000	0.07 U	**0.0081 J**	0.07 U	0.0082 U	**0.011**	**0.0035 J**	**0.16**	**0.0015 J**	**0.0056 J**	**0.26**	**0.18**	**0.095**	**0.0011 J**	**0.0011 J**	**0.0077 J**	**0.11**	**0.0014 J**	**0.046 J**	**0.001 J**	**0.3**	**0.26**	**0.14**
Acenaphthylene	mg/kg	45,000	**0.019 J**	**0.056 J**	**0.014 J**	0.0082 U	0.0092 U	0.0082 U	**0.014**	0.0084 U	**0.022 J**	**0.38**	**0.38**	**0.13**	**0.0012 J**	**0.0023 J**	**0.0052 J**	**0.017**	**0.00059 J**	**0.013 J**	**0.0013 J**	**0.068 J**	**0.18**	**0.14**
Acetophenone	mg/kg	120,000	**0.089 J**	**0.064 J**	0.069 U	0.081 U	0.091 U	0.081 U	0.078 U	0.083 U	0.071 U	0.074 U	N/A	**0.052 J**	0.08 U	0.072 U	0.086 U	0.089 U	0.072 U	0.072 U	0.074 U	0.075 U	0.077 U	**0.047 J**
Anthracene	mg/kg	230,000	**0.0083 J**	**0.03 J**	**0.02 J**	0.0082 U	0.0092 U	**0.002 J**	**0.33**	**0.00081 J**	0.03 B	**1.4**	**0.54**	**0.38**	0.0047 B	**0.006 J**	**0.029**	**0.12**	**0.0024 J**	**0.12**	**0.0097**	**0.92**	**0.87**	**0.3**
Benz[a]anthracene	mg/kg	21	0.07 U	**0.081**	**0.045 J**	**0.0021 J**	0.0092 U	**0.0044 J**	**0.79**	**0.0015 J**	0.1 B	**2.8**	**1**	**2.2**	0.011 B	**0.022**	**0.09**	**0.14**	**0.0073**	**0.29**	**0.24**	**3.1**	**1.6**	**1.4**
Benzaldehyde	mg/kg	120,000	**0.32 J**	**0.11 J**	0.069 R	0.081 R	0.091 U	0.081 U	0.078 U	0.083 U	0.071 U	**0.018 J**	N/A	**0.031 J**	0.08 U	0.072 U	0.086 U	0.089 U	0.072 U	0.072 U	0.074 U	0.075 U	0.077 U	**0.023 J**
Benzo[a]pyrene	mg/kg	2.1	**0.76**	**0.62 J**	**0.036 J**	0.0082 U	0.0092 U	0.0082 U	**0.61**	0.0084 U	**0.15**	2.1	**0.8**	2.1	**0.0087**	**0.023**	**0.07**	**0.11**	**0.0053 J**	**0.2**	**0.15**	2.4	**1.4**	**1.3**
Benzo[b]fluoranthene	mg/kg	21	**0.67**	**0.59 J**	**0.12**	**0.003 J**	**0.0051 J**	**0.0035 J**	**1.2**	**0.001 J**	**0.41**	**4.6**	**1.8**	**3.8**	**0.018**	**0.065**	**0.17**	**0.23**	**0.013**	**0.44**	**0.29**	**4.5**	**2.8**	**2.3**
Benzo[g,h,i]perylene	mg/kg		0.07 U	0.08 UJ	**0.03 J**	0.0082 UJ	0.0092 U	0.0082 U	**0.31**	0.0084 U	**0.058 J**	**0.6**	**0.23**	**0.76**	**0.0028 J**	**0.025**	**0.047**	**0.071**	**0.0049 J**	**0.14**	**0.067**	**1.5**	**1.1**	**0.84**
Benzo[k]fluoranthene	mg/kg	210	**0.58**	**0.46 J**	**0.096**	**0.0029 J**	**0.0043 J**	**0.0029 J**	**0.98**	0.0084 U	**0.35**	**4**	**1.5**	**3.2**	**0.016**	**0.055**	**0.14**	**0.2**	**0.011**	**0.38**	**0.25**	**3.9**	**2.4**	**1.9**
bis(2-Ethylhexyl)phthalate	mg/kg	160	0.071 UJ	0.08 UJ	0.019 B	0.081 U	0.091 U	0.081 U	0.078 U	0.083 U	**0.03 J**	0.074 U	N/A	**0.021 J**	0.08 U	0.072 U	**0.026 J**	0.089 U	0.072 U	0.072 U	0.074 U	**0.017 J**	0.077 U	**0.017 J**
Carbazole	mg/kg		0.071 U	0.08 U	0.069 U	0.081 U	0.091 U	0.081 U	**0.048 J**	0.083 U	**0.023 J**	**0.65**	N/A	**0.14**	0.08 U	0.072 U	0.086 U	0.089 U	0.072 U	0.072 U	0.074 U	**0.37 J**	**0.12**	**0.12**
Chrysene	mg/kg	2,100	**1.2**	**1.2**	**0.057 J**	**0.0013 J**	**0.0053 J**	**0.0028 J**	**0.72**	**0.00074 J**	**0.16**	**2.2**	**1.2**	**2**	0.0086 B	**0.034**	**0.11**	**0.14**	**0.0086**	**0.27**	**0.21**	**2.5**	**1.7**	**1.2**
Dibenz[a,h]anthracene	mg/kg	2.1	0.07 U	0.08 UJ	0.07 U	0.0082 UJ	0.0092 U	0.0082 U	**0.11**	0.0084 U	**0.025 J**	**0.3**	**0.11**	**0.3**	0.008 U	**0.0064 J**	**0.014**	**0.02**	**0.0013 J**	**0.045 J**	**0.019**	**0.4**	**0.42**	**0.29**
Diethylphthalate	mg/kg	660,000	0.071 U	0.08 U	0.069 U	0.081 U	0.091 U	0.081 U	0.078 U	0.083 U	0.071 U	0.074 U	N/A	0.073 U	0.08 U	0.072 U	0.086 U	0.089 U	0.072 U	0.072 U	0.074 U	0.075 U	0.077 U	0.072 U
Di-n-butylphthalate	mg/kg	82,000	0.022 B	0.038 B	0.069 U	0.081 U	0.091 U	0.081 U	0.078 U	0.083 U	0.071 U	0.074 U	N/A	0.073 U	0.08 U	0.072 U	0.086 U	0.089 U	0.072 U	0.072 U	**0.089**	0.075 U	0.077 U	0.072 U
Di-n-ocytlphthalate	mg/kg	8,200	0.071 UJ	0.08 UJ	0.069 UJ	0.081 U	0.091 U	0.081 U	0.078 UJ	0.083 U	0.071 U	0.074 U	N/A	0.073 U	0.08 U	0.072 U	0.086 U	0.089 U	0.072 U	0.072 UJ	0.074 UJ	0.075 UJ	0.077 U	0.072 U
Fluoranthene	mg/kg	30,000	**0.047 J**	**0.11**	**0.09**	**0.0029 J**	**0.025**	**0.022**	**1.9**	**0.0031 J**	0.13 B	**5.6**	**2.4**	**3.7**	0.017 B	**0.047**	**0.26**	**0.46**	**0.014**	**0.5**	**0.36**	**6.8**	**4.1**	**1.7**
Fluorene	mg/kg	30,000	0.07 U	**0.028 J**	0.07 U	0.0082 U	**0.0031 J**	**0.001 J**	**0.14**	**0.001 J**	0.071 U	**0.79**	**0.46**	**0.047**	**0.0023 J**	**0.00093 J**	**0.0059 J**	**0.079**	0.0072 U	**0.038 J**	**0.00095 J**	**0.33**	**0.36**	**0.054**
Hexachlorobenzene	mg/kg	0.96	0.071 U	0.08 U	0.069 U	0.081 U	0.091 U	0.081 U	0.078 U	0.083 U	0.071 U	0.074 U	N/A	0.073 U	0.08 U	0.072 U	0.086 U	0.089 U	0.072 U	0.072 U	0.074 U	0.075 U	0.077 U	0.072 U
Indeno[1,2,3-c,d]pyrene	mg/kg	21	0.07 U	0.08 UJ	**0.022 J**	0.0082 UJ	0.0092 U	0.0082 U	**0.31**	0.0084 U	**0.062 J**	**0.73**	**0.24**	**0.84**	**0.003 J**	**0.021**	**0.04**	**0.06**	**0.0035 J**	**0.11**	**0.056**	**1.2**	**1**	**0.82**
Naphthalene	mg/kg	17	0.055 B	**0.26**	0.047 B	0.0082 U	**0.016**	0.0031 B	**0.038**	0.0084 U	0.071 U	**1.1**	**1.9**	**0.19**	**0.042**	**0.0091**	**0.025**	**0.018**	0.0027 B	0.023 B	0.0033 B	**0.21**	**0.054**	**0.21**
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.071 U	0.08 U	0.069 U	0.081 U	0.091 U	0.081 U	0.078 U	0.083 U	0.071 U	0.074 U	N/A	0.073 U	0.08 U	0.072 U	0.086 U	0.089 U	0.072 U	0.072 U	0.074 U	0.075 U	0.077 U	0.072 U
N-Nitrosodiphenylamine	mg/kg	470	0.071 U	0.08 U	0.069 U	0.081 U	0.091 U	0.081 U	0.078 U	0.083 U	0.071 U	0.074 U	N/A	0.073 U	0.08 U	0.072 U	0.086 U	0.089 U	0.072 U	0.072 U	0.074 U	0.075 U	0.077 U	0.072 U
Pentachlorophenol	mg/kg	4	0.18 U	0.2 U	0.17 U	0.2 U	0.23 U	0.2 U	0.2 U	0.21 U	0.18 U	0.19 U	N/A	0.18 U	0.2 U	0.18 R	0.22 R	0.22 UJ	0.18 R	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U
Phenanthrene	mg/kg		**0.046 J**	**0.15**	**0.11**	**0.0022 J**	**0.054**	**0.031**	**1.5**	**0.0068 J**	0.048 B	**4.6**	**2**	**1.2**	0.01 B	**0.03**	**0.11**	**0.58**	**0.013**	**0.41**	**0.027**	**4.1**	**2.9**	**0.91**
Phenol	mg/kg	250,000	**0.21 J**	**0.059 J**	0.069 U	0.081 U	0.091 U	0.081 U	0.078 U	0.083 U	0.071 U	0.074 U	N/A	0.073 U	0.08 U	0.072 R	0.086 R	0.089 UJ	0.072 R	0.072 U	0.074 U	0.075 U	0.077 U	0.072 U
Pyrene	mg/kg	23,000	**0.14**	**0.15**	**0.068 J**	**0.0021 J**	**0.021**	**0.015**	**1.6**	**0.0025 J**	0.15 B	**4.2**	**1.8**	**3.3**	0.013 B	**0.04**	**0.24**	**0.37**	**0.012**	**0.46**	**0.32**	**5.6**	**3.2**	**1.6**
PCBs																								
Aroclor 1242	mg/kg	0.97	0.0516 U	0.0541 U	0.0544 UJ	N/A	0.0577 U	N/A	0.0632 U	N/A	0.113 U	N/A	N/A	**0.625**	N/A	0.0571 U	N/A	0.0616 U	N/A	0.0541 U	N/A	0.054 U	N/A	0.0567 U
Aroclor 1248	mg/kg	0.94	0.0516 U	0.0541 U	0.0544 UJ	N/A	0.0577 U	N/A	0.0632 U	N/A	0.113 U	N/A	N/A	0.0632 U	N/A	**0.0496 J**	N/A	0.0616 U	N/A	**0.0386 J**	N/A	**0.353**	N/A	**0.0421 J**
Aroclor 1254	mg/kg	0.97	0.0516 U	0.0541 U	0.0544 UJ	N/A	0.0577 U	N/A	0.0632 U	N/A	0.113 U	N/A	N/A	0.0632 U	N/A	0.0571 U	N/A	0.0616 U	N/A	0.0541 U	N/A	**0.232**	N/A	**0.105**
Aroclor 1260	mg/kg	0.99	0.0516 U	0.0541 U	0.0544 UJ	N/A	0.0577 U	N/A	0.0632 U	N/A	0.113 U	N/A	N/A	0.0632 U	N/A	0.0571 U	N/A	0.0616 U	N/A	0.0541 U	N/A	0.054 U	N/A	0.0567 U
Aroclor 1262	mg/kg		**0.0705**	0.0541 U	0.0544 UJ	N/A	0.0577 U	N/A	0.0632 U	N/A	0.113 U	N/A	N/A	0.0632 U	N/A	**0.0416 J**	N/A	0.0616 U	N/A	**0.118**	N/A	**0.182**	N/A	**0.0631**
Aroclor 1268	mg/kg		0.0516 U	**0.179**	**0.071 J**	N/A	0.0577 U	N/A	**0.0467 J**	N/A	**2.96**	N/A	N/A	**0.366**	N/A	0.0571 U	N/A	0.0616 U	N/A	0.0541 U	N/A	0.054 U	N/A	0.0567 U
PCBs (total)	mg/kg	0.97	**0.0705**	**0.179**	**0.071 J**	N/A	0.0577 U	N/A	**0.0467 J**	N/A	2.96	N/A	N/A	0.991	N/A	**0.0912**	N/A	0.0616 U	N/A	**0.1566**	N/A	**0.767**	N/A	**0.2102**
TPH																								
Diesel Range Organics	mg/kg	6,200	**1,220 J**	**1,330 J**	**144 J**	**10.1 J**	9 UJ	8.2 UJ	**47.3 J**	**3.2 J**	**70.7**	**618**	N/A	**127**	**8.6**	**12.3 J**	**13.9 J**	**15.9 J**	**6 J**	**27.1 J**	**25.6 J**	**149 J**	**45.2 J**	**117**
Gasoline Range Organics	mg/kg	6,200	8.4 U	9.5 U	7.3 U	9.7 U	11 U	10.7 U	9.7 U	10.4 U	10.2 U	**7.8 J**	N/A	9.7 U	8.3 U	10.1 U	11.4 U	11.4 U	10.3 U	11.3 U	14.8 U	11.4 U	10.7 U	9.1 U

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-011-SB-4*	B22-012-SB-1	B22-012-SB-4	B22-013-SB-1	B22-013-SB-4	B22-014-SB-1	B22-014-SB-5	B22-015-SB-1*	B22-015-SB-4*	B22-016-SB-1*	B22-016-SB-5*	B22-017-SB-1*	B22-017-SB-6*	B22-018-SB-1*	B22-018-SB-6*	B22-019-SB-1	B22-019-SB-6	B22-020-SB-1	B22-020-SB-4	B22-020-SB-10	B22-021-SB-1	B22-021-SB-5
Volatile Organic Compounds																								
1,1,1-Trichloroethane	mg/kg	36,000	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.055 U	0.047 U	0.062 U	0.054 UJ	0.05 UJ	0.047 UJ	0.051 UJ	0.046 U	0.044 U	0.045 U	0.061 U	0.049 U	0.049 U	0.06 U	0.051 U	0.051 U	0.048 U	0.069 U	0.047 U	N/A	0.048 U	0.05 U
1,1,2-Trichloroethane	mg/kg	5	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
1,1-Dichloroethane	mg/kg	16	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	**0.0052**	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
1,1-Dichloroethene	mg/kg	1,000	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
1,2,3-Trichlorobenzene	mg/kg	930	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
1,2,4-Trichlorobenzene	mg/kg	110	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
1,2-Dichloroethane	mg/kg	2	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
1,2-Dichloroethene (Total)	mg/kg	2,300	0.011 U	0.0093 U	0.012 U	0.011 U	0.01 U	0.0095 U	0.01 U	0.0093 U	0.0088 U	0.0091 U	0.012 U	0.0098 U	0.0098 U	0.012 U	0.01 U	0.01 U	0.0096 U	0.014 U	0.0095 U	N/A	0.0096 U	0.01 U
1,4-Dichlorobenzene	mg/kg	11	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
1,4-Dioxane	mg/kg	24	0.11 U	0.093 R	0.12 R	0.11 R	0.1 R	0.095 R	0.1 R	0.093 U	0.088 U	0.091 U	0.12 U	0.098 U	0.098 U	0.12 U	0.1 U	0.1 R	0.096 R	0.14 R	0.095 R	N/A	0.096 R	0.1 R
2-Butanone (MEK)	mg/kg	190,000	0.011 U	0.0093 U	0.012 U	0.011 U	0.01 U	0.0095 U	0.01 U	**0.0048 J**	**0.0054 J**	0.0091 U	**0.0043 J**	0.0098 U	0.0098 U	0.012 U	0.01 U	0.01 U	0.0096 U	0.014 U	0.0095 U	N/A	0.0096 U	0.01 U
2-Hexanone	mg/kg	1,300	0.011 U	0.0093 U	0.012 U	0.011 U	0.01 U	0.0095 U	0.01 U	0.0093 U	0.0088 U	0.0091 U	**0.0021 J**	0.0098 U	0.0098 U	0.012 U	0.01 U	0.01 U	0.0096 U	0.014 U	0.0095 U	N/A	0.0096 U	0.01 U
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.011 U	0.0093 U	0.012 U	0.011 UJ	0.01 UJ	0.0095 UJ	0.01 U	0.0093 U	0.0088 U	0.0091 U	0.012 U	0.0098 U	0.0098 U	0.012 U	0.01 U	0.01 UJ	0.0096 UJ	0.014 UJ	0.0095 UJ	N/A	0.0096 U	0.01 U
Acetone	mg/kg	670,000	**0.011 J**	0.0093 U	0.012 U	**0.014**	0.01 U	0.0095 U	0.01 U	**0.12**	**0.12**	0.0091 U	**0.022**	0.0098 U	0.0098 U	0.012 U	0.01 U	**0.017**	0.0085 B	0.0068 B	0.006 B	N/A	0.0096 U	0.01 U
Benzene	mg/kg	5.1	**0.0057**	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
Chlorobenzene	mg/kg	1,300	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
Chloroethane	mg/kg	57,000	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
Chloroform	mg/kg	1.4	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
cis-1,2-Dichloroethene	mg/kg	2,300	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
Cyclohexane	mg/kg	27,000	0.011 U	0.0093 U	0.012 U	0.011 U	0.01 U	0.0095 U	0.01 U	0.0093 U	0.0088 U	0.0091 U	0.012 U	0.0098 U	0.0098 U	0.012 U	0.01 U	0.01 UJ	0.0096 UJ	0.014 UJ	0.0095 UJ	N/A	0.0096 U	0.01 U
Ethylbenzene	mg/kg	25	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
Isopropylbenzene	mg/kg	9,900	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
Methyl Acetate	mg/kg	1,200,000	0.055 U	0.047 U	0.062 U	0.054 UJ	0.05 UJ	0.047 UJ	0.051 U	0.046 U	0.044 U	0.045 U	0.061 U	0.049 U	0.049 U	0.06 U	0.051 U	0.051 U	0.048 U	0.069 U	0.047 U	N/A	0.048 U	0.05 U
Methylene Chloride	mg/kg	1,000	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
Styrene	mg/kg	35,000	0.0055 U	0.0047 U	0.0062 U	0.0054 UJ	0.005 UJ	0.0047 UJ	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
Tetrachloroethene	mg/kg	100	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
Toluene	mg/kg	47,000	**0.0022 J**	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
trans-1,2-Dichloroethene	mg/kg	23,000	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
Trichloroethene	mg/kg	6	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
Trichlorofluoromethane	mg/kg	3,100	0.0055 U	0.0047 UJ	0.0062 UJ	0.0054 UJ	0.005 UJ	0.0047 UJ	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
Vinyl chloride	mg/kg	1.7	0.0055 U	0.0047 U	0.0062 U	0.0054 U	0.005 U	0.0047 U	0.0051 U	0.0046 U	0.0044 U	0.0045 U	0.0061 U	0.0049 U	0.0049 U	0.006 U	0.0051 U	0.0051 U	0.0048 U	0.0069 U	0.0047 U	N/A	0.0048 U	0.005 U
Xylenes	mg/kg	2,800	**0.019**	**0.0031 J**	0.019 U	0.016 U	0.015 U	0.014 U	0.015 U	0.014 U	0.013 U	0.014 U	0.018 U	0.015 U	0.015 U	0.018 U	0.015 U	0.015 U	0.014 U	0.021 U	0.014 U	N/A	0.014 U	0.015 U
Semi-Volatile Organic Compounds^																								
1,1-Biphenyl	mg/kg	200	**0.077**	**0.093 J**	0.078 U	**0.095 J**	0.083 U	0.076 U	0.082 U	**0.034 J**	**0.093**	**0.1**	**0.12**	**0.1**	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	**0.039 J**	0.076 U	N/A	0.079 U	0.084 U
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.075 U	0.071 U	0.078 U	0.074 U	0.083 U	0.076 U	0.082 U	0.073 U	0.078 U	0.075 U	0.079 U	0.078 U	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	0.074 U	0.076 U	N/A	0.079 U	0.084 U
2,4-Dimethylphenol	mg/kg	16,000	0.075 U	0.071 U	0.078 U	0.074 R	0.083 U	0.076 U	0.082 U	0.073 U	0.078 U	0.075 U	0.079 U	0.078 U	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	0.074 U	0.076 U	N/A	0.079 U	0.084 U
2-Chloronaphthalene	mg/kg	60,000	0.075 U	0.071 U	0.078 U	0.074 U	0.083 U	0.076 U	0.082 U	0.073 U	0.078 U	0.075 U	0.079 U	0.078 U	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	0.074 U	0.076 U	N/A	0.079 U	0.084 U
2-Methylnaphthalene	mg/kg	3,000	**0.2**	**0.2**	**0.0075 J**	**0.53**	**0.061 J**	**0.15**	**0.022**	**0.065 J**	**0.27**	**0.26**	**0.2**	**0.16**	**0.012**	0.0085 U	**0.0086**	**0.0055 J**	**0.011 J**	**0.1**	**0.025 J**	N/A	0.0079 U	0.017 U
2-Methylphenol	mg/kg	41,000	0.075 U	0.071 U	0.078 U	0.074 R	0.083 U	0.076 U	0.082 U	0.073 U	0.078 U	0.075 U	0.079 U	0.078 U	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	0.074 U	0.076 U	N/A	0.079 U	0.084 U
2-Nitroaniline	mg/kg	8,000	0.19 U	0.18 U	0.19 U	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U	0.2 U	0.21 U	0.21 U	0.22 U	0.19 U	0.2 U	0.18 U	0.19 U	N/A	0.2 U	0.21 U
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.15 U	0.14 U	0.15 U	0.15 R	0.17 U	0.15 U	0.16 U	0.15 U	0.15 U	0.15 U	0.16 U	0.16 U	0.17 U	0.16 U	0.17 U	0.16 U	0.16 U	0.15 U	0.15 U	N/A	0.16 U	0.17 U
4-Nitroaniline	mg/kg	110	0.19 U	0.18 U	0.19 U	0.19 U	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U	0.2 U	0.21 U	0.21 U	0.22 U	0.19 U	0.2 UJ	0.18 U	0.19 U	N/A	0.2 UJ	0.21 UJ
Acenaphthene	mg/kg	45,000	**0.17**	**0.16**	**0.0017 J**	**1.6**	**0.29 J**	**0.018 J**	**0.0086 J**	**0.018 J**	**0.04**	**0.035**	**0.036**	**0.13**	**0.016**	**0.0012 J**	**0.02**	**0.0054 J**	**0.01 J**	**0.095**	**0.023 J**	N/A	0.0079 U	0.017 U
Acenaphthylene	mg/kg	45,000	**0.28**	**0.15**	**0.0054 J**	**0.037 J**	**0.0024 J**	**0.0096 J**	**0.0016 J**	**0.049 J**	**0.13**	**0.14**	**0.086**	**0.012**	0.0084 U	0.0085 U	**0.00088 J**	0.0077 U	**0.0014 J**	**0.026 J**	**0.029 J**	N/A	**0.0077 J**	0.017 U
Acetophenone	mg/kg	120,000	**0.062 J**	0.071 U	0.078 U	0.074 U	0.083 U	0.076 U	0.082 U	**0.029 J**	0.078 U	0.075 U	0.079 U	0.078 U	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	0.074 U	0.076 U	N/A	0.079 U	0.084 U
Anthracene	mg/kg	230,000	**0.53**	**0.57**	**0.018**	**4.1**	**0.5 J**	**0.15**	**0.038 J**	**0.11**	**0.27**	**0.25**	**0.2**	**0.16**	**0.026**	**0.0042 J**	**0.025**	**0.0057 J**	**0.026 J**	**0.37**	**0.098**	N/A	0.0079 U	0.017 U
Benz[a]anthracene	mg/kg	21	**1.9**	**2.6**	**0.078**	**11.4**	**0.68**	**1.3**	**0.14**	**0.33**	**0.81**	**0.85**	**0.5**	**0.39**	**0.034**	**0.0073 J**	**0.028**	**0.012**	**0.078 J**	**1.4**	**0.34**	N/A	0.0079 U	0.017 U
Benzaldehyde	mg/kg	120,000	**0.021 J**	**0.036 J**	0.078 R	**0.022 J**	0.083 R	0.076 R	0.082 R	**0.058 J**	**0.036 J**	**0.028 J**	**0.033 J**	0.078 U	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	0.074 U	0.076 U	N/A	0.079 U	0.084 U
Benzo[a]pyrene	mg/kg	2.1	**1.8**	**2.6**	**0.059**	**7.7**	**0.41**	**0.95**	**0.094 J**	**0.31**	**0.69**	**0.67**	**0.41**	**0.31**	**0.016**	**0.0021 J**	**0.012**	**0.0047 J**	**0.021 J**	**1.2**	**0.43**	0.0084 U	0.0079 U	0.017 U
Benzo[b]fluoranthene	mg/kg	21	**3.5**	**3.9**	**0.096**	**14.6**	**0.83**	**2.2**	**0.22 J**	**0.82**	**1.6**	**1.2**	**1**	**0.64**	**0.053**	0.0077 B	**0.035**	**0.024**	**0.14 J**	**2.5**	**0.76**	N/A	0.0079 U	0.017 U
Benzo[g,h,i]perylene	mg/kg		**0.87**	**1.9**	**0.044**	**1.7**	**0.17**	**0.3**	**0.052 J**	**0.18**	**0.35**	**0.33**	**0.27**	**0.15**	**0.0098**	**0.0012 J**	**0.0043 J**	**0.0059 J**	**0.027 J**	**0.69**	**0.28**	N/A	0.0079 U	0.017 U
Benzo[k]fluoranthene	mg/kg	210	**2.9**	**1.4**	**0.044**	**12.7**	**0.72**	**2.2**	**0.19 J**	**0.72**	**1.5**	**1.1**	**0.91**	**0.56**	**0.046**	0.0067 B	**0.031**	**0.02**	**0.12 J**	**2.1**	**0.64**	N/A	0.0079 U	0.017 U
bis(2-Ethylhexyl)phthalate	mg/kg	160	**0.052 J**	0.071 UJ	0.018 B	**0.14 J**	0.083 U	0.028 B	0.082 U	**0.26**	0.078 U	**0.024 J**	0.079 U	**0.039 J**	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	0.074 UJ	0.076 UJ	N/A	0.079 U	0.084 U
Carbazole	mg/kg		**0.22**	**0.13 J**	0.078 U	**2**	**0.24**	**0.023 J**	0.082 U	**0.041 J**	**0.13**	**0.11**	**0.15**	**0.075 J**	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	**0.063 J**	**0.029 J**	N/A	0.079 U	0.084 U
Chrysene	mg/kg	2,100	**1.9**	**3**	**0.089**	**11**	**0.6**	**1.4**	**0.12**	**0.39**	**0.78**	**0.85**	**0.58**	**0.36**	**0.029**	**0.0056 J**	**0.021**	**0.018**	**0.098 J**	**1.4**	**0.3**	N/A	0.0079 U	0.017 U
Dibenz[a,h]anthracene	mg/kg	2.1	**0.36**	**0.53**	**0.01**	**0.91**	**0.076**	**0.12**	**0.022 J**	**0.052 J**	**0.12**	**0.11**	**0.088**	**0.05**	**0.0031 J**	0.0085 U	**0.002 J**	**0.0017 J**	**0.0091 J**	**0.22**	**0.086**	N/A	0.0079 U	0.017 U
Diethylphthalate	mg/kg	660,000	0.075 U	0.071 U	0.078 U	0.074 U	0.083 U	0.076 U	0.082 U	0.073 U	0.078 U	0.075 U	0.079 U	0.078 U	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	0.074 U	0.076 U	N/A	0.079 U	0.084 U
Di-n-butylphthalate	mg/kg	82,000	0.075 U	0.071 U	0.078 U	**0.037 J**	0.083 U	0.076 U	0.082 U	0.073 U	0.078 U	0.075 U	0.079 U	0.078 U	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	0.074 U	0.076 U	N/A	0.079 U	0.084 U
Di-n-ocytlphthalate	mg/kg	8,200	0.075 U	0.071 UJ	0.078 UJ	0.074 UJ	0.083 U	0.076 UJ	0.082 U	0.073 U	0.078 U	**0.032 J**	0.079 U	**0.027 J**	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	0.074 UJ	0.076 UJ	N/A	0.079 U	0.084 U
Fluoranthene	mg/kg	30,000	**3.7**	**4.4**	**0.16**	**20.5**	**1.5 J**	**2**	**0.24 J**	**0.66**	**2**	**1.7**	**1.4**	**1**	**0.11**	**0.021**	**0.11**	**0.051**	**0.4 J**	**3.5**	**0.64**	N/A	**0.00063 J**	**0.0016 J**
Fluorene	mg/kg	30,000	**0.16**	**0.054 J**	**0.0022 J**	**1.7**	**0.33 J**	**0.014 J**	**0.0064 J**	**0.021 J**	**0.057**	**0.051**	**0.038**	**0.082**	**0.009**	**0.0009 J**	**0.013**	**0.0034 J**	**0.01 J**	**0.048 J**	**0.022 J**	N/A	0.0079 U	0.017 U
Hexachlorobenzene	mg/kg	0.96	0.075 U	0.071 U	0.078 U	0.074 U	0.083 U	0.076 U	0.082 U	0.073 U	0.078 U	0.075 U	0.079 U	0.078 U	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	0.074 U	0.076 U	N/A	0.079 U	0.084 U
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.97**	**1.7 J**	**0.042 J**	**1.9**	**0.16**	**0.31**	**0.048 J**	**0.16**	**0.34**	**0.33**	**0.27**	**0.13**	**0.0094**	0.0085 U	**0.0043 J**	**0.0057 J**	**0.028 J**	**0.65**	**0.26**	N/A	0.0079 U	0.017 U
Naphthalene	mg/kg	17	**0.39**	**0.42**	**0.014**	**0.52**	**0.054 J**	**0.12**	**0.027**	**0.21**	**0.85**	**0.93**	**0.76**	**0.18**	**0.0097**	0.0085 U	**0.011**	0.0063 B	0.007 B	**0.11**	0.026 B	N/A	0.0079 U	0.0064 B
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.075 U	0.071 U	0.078 U	0.074 U	0.083 U	0.076 U	0.082 U	0.073 U	0.078 U	0.075 U	0.079 U	0.078 U	0.084 U	**0.074 J**	0.086 U	0.078 U	0.081 U	0.074 U	0.076 U	N/A	0.079 U	0.084 U
N-Nitrosodiphenylamine	mg/kg	470	0.075 U	0.071 U	0.078 U	0.074 U	0.083 U	0.076 U	0.082 U	0.073 U	0.078 U	0.075 U	0.079 U	0.078 U	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	0.074 U	0.076 U	N/A	0.079 U	0.084 U
Pentachlorophenol	mg/kg	4	0.19 U	0.18 U	0.19 U	0.19 R	0.21 U	0.19 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U	0.2 U	0.21 U	0.21 U	0.22 U	0.19 U	0.2 UJ	0.18 U	0.19 U	N/A	0.2 U	0.21 U
Phenanthrene	mg/kg		**2.3**	**1.3**	**0.08**	**15.1**	**2.4 J**	**0.5**	**0.11 J**	**0.43**	**1.6**	**1.2**	**1.3**	**0.92**	**0.11**	**0.016**	**0.1**	**0.055**	**0.52 J**	**2.8**	**0.4**	N/A	**0.00081 J**	**0.0033 J**
Phenol	mg/kg	250,000	0.075 U	0.071 U	0.078 U	0.074 R	0.083 U	0.076 U	0.082 U	0.073 U	0.078 U	0.075 U	0.079 U	0.078 U	0.084 U	0.082 U	0.086 U	0.078 U	0.081 U	**0.032 J**	0.076 U	N/A	0.079 U	0.084 U
Pyrene	mg/kg	23,000	**3.1**	**4.1**	**0.12**	**16.2**	**1.1 J**	**1.8**	**0.18 J**	**0.56**	**1.5**	**1.2**	**1**	**0.97**	**0.094**	**0.017**	**0.084**	**0.037**	**0.28 J**	**3.2**	**0.55**	N/A	0.0079 U	0.017 U
PCBs																								
Aroclor 1242	mg/kg	0.97	N/A	0.0651 U	N/A	0.0572 U	N/A	0.0585 U	N/A	0.0549 U	N/A	0.0582 U	N/A	0.0577 U	N/A	0.0666 U	N/A	**2.64**	N/A	0.059 U	N/A	N/A	0.0581 U	N/A
Aroclor 1248	mg/kg	0.94	N/A	0.0651 U	N/A	**0.115**	N/A	0.0585 U	N/A	0.0549 U	N/A	0.0582 U	N/A	0.0577 U	N/A	0.0666 U	N/A	0.116 U	N/A	0.059 U	N/A	N/A	0.0581 U	N/A
Aroclor 1254	mg/kg	0.97	N/A	0.0651 U	N/A	**0.234**	N/A	0.0585 U	N/A	**0.28**	N/A	0.0582 U	N/A	0.0577 U	N/A	0.0666 U	N/A	0.116 U	N/A	0.059 U	N/A	N/A	0.0581 U	N/A
Aroclor 1260	mg/kg	0.99	N/A	0.0651 U	N/A	0.0572 U	N/A	0.0585 U	N/A	0.0549 U	N/A	0.0582 U	N/A	0.0577 U	N/A	0.0666 U	N/A	0.116 U	N/A	0.059 U	N/A	N/A	0.0581 U	N/A
Aroclor 1262	mg/kg		N/A	0.0651 U	N/A	**1.6**	N/A	0.0585 U	N/A	**0.367**	N/A	**0.0771**	N/A	0.0577 U	N/A	0.0666 U	N/A	0.116 U	N/A	0.059 U	N/A	N/A	0.0581 U	N/A
Aroclor 1268	mg/kg		N/A	0.0651 U	N/A	0.0572 U	N/A	0.0585 U	N/A	0.0549 U	N/A	0.0582 U	N/A	0.0577 U	N/A	0.0666 U	N/A	0.116 U	N/A	0.059 U	N/A	N/A	0.0581 U	N/A
PCBs (total)	mg/kg	0.97	N/A	0.0651 U	N/A	**1.949**	N/A	0.0585 U	N/A	**0.647**	N/A	**0.0771**	N/A	0.0577 U	N/A	0.0666 U	N/A	**2.64**	N/A	0.059 U	N/A	N/A	0.0581 U	N/A
TPH																								
Diesel Range Organics	mg/kg	6,200	**246**	**103 J**	**38.2 J**	**437 J**	**6.3 J**	**48.9 J**	**16.2 J**	**402**	**73.7**	**82.9**	**62.7**	**137**	**36.2**	**5.1 J**	**119**	**11.5 J**	**57.1 J**	**66.9 J**	**19.8 J**	N/A	**4.3 J**	**4.7 J**
Gasoline Range Organics	mg/kg	6,200	11.1 U	14.6 U	12.3 U	11.2 U	9.8 U	10 U	10.3 U	9.2 U	8.2 U	9.6 U	8.4 U	10.2 U	11 U	11.3 U	10.8 U	9.4 U	11.4 U	13.8 U	8.6 U	N/A	10.4 U	11.9 U

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-022-SB-1	B22-022-SB-7	B22-023-SB-1*	B22-023-SB-9*	B22-023-SB-10*	B22-024-SB-1*	B22-024-SB-4*	B22-025-SB-4*	B22-026-SB-1*	B22-026-SB-9*	B22-027-SB-1*	B22-027-SB-5*	B22-028-SB-1*	B22-029-SB-1*	B22-029-SB-6*	B22-030-SB-1*	B22-030-SB-5*	B22-030-SB-10*	B22-031-SB-1*	B22-031-SB-4*	B22-031-SB-10*
Volatile Organic Compounds																							
1,1,1-Trichloroethane	mg/kg	36,000	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	**0.087**	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.057 U	0.07 UJ	0.049 U	0.054 U	N/A	0.05 U	0.063 U	0.078 U	0.056 U	0.061 U	0.064 U	0.058 U	0.066 U	0.068 U	0.06 U	0.079 U	0.082 U	N/A	0.056 U	0.051 U	N/A
1,1,2-Trichloroethane	mg/kg	5	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
1,1-Dichloroethane	mg/kg	16	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
1,1-Dichloroethene	mg/kg	1,000	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
1,2,3-Trichlorobenzene	mg/kg	930	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
1,2,4-Trichlorobenzene	mg/kg	110	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
1,2-Dichloroethane	mg/kg	2	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
1,2-Dichloroethene (Total)	mg/kg	2,300	0.011 U	0.014 U	0.0098 U	0.011 U	N/A	0.01 U	0.013 U	0.016 U	0.011 U	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U	0.012 U	0.016 U	0.016 U	N/A	0.011 U	0.01 U	N/A
1,4-Dichlorobenzene	mg/kg	11	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
1,4-Dioxane	mg/kg	24	0.11 R	0.14 R	0.098 U	0.11 U	N/A	0.1 U	0.13 U	0.16 U	0.11 U	0.12 U	0.13 U	0.12 U	0.13 U	0.14 U	0.12 U	0.16 U	0.16 U	N/A	0.11 U	0.1 U	N/A
2-Butanone (MEK)	mg/kg	190,000	0.011 U	0.014 U	0.0098 U	0.011 U	N/A	0.01 U	0.013 U	0.016 U	0.011 U	**0.0038 J**	0.013 U	0.012 U	0.013 U	0.014 U	0.012 U	0.016 U	0.016 U	N/A	0.011 U	0.01 U	N/A
2-Hexanone	mg/kg	1,300	0.011 U	0.014 U	0.0098 U	0.011 U	N/A	0.01 U	0.013 U	0.016 U	0.011 U	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U	0.012 U	0.016 U	0.016 U	N/A	0.011 U	0.01 U	N/A
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.011 U	0.014 U	0.0098 U	0.011 U	N/A	0.01 U	0.013 U	0.016 U	0.011 U	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U	0.012 U	0.016 U	0.016 U	N/A	0.011 U	0.01 U	N/A
Acetone	mg/kg	670,000	0.011 U	0.014 U	0.0098 U	**0.0087 J**	N/A	0.01 U	0.013 U	0.016 U	0.011 U	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U	0.012 U	0.016 U	0.016 U	N/A	**0.0096 J**	**0.01**	N/A
Benzene	mg/kg	5.1	0.0057 U	0.007 U	**0.002 J**	**0.0052 J**	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	**0.0022 J**	0.0058 U	0.0066 U	0.0068 U	0.006 U	**0.0035 J**	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
Chlorobenzene	mg/kg	1,300	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
Chloroethane	mg/kg	57,000	0.0057 U	0.007 UJ	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
Chloroform	mg/kg	1.4	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
cis-1,2-Dichloroethene	mg/kg	2,300	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
Cyclohexane	mg/kg	27,000	0.011 U	0.014 U	0.0098 U	0.011 U	N/A	0.01 U	0.013 U	0.016 U	0.011 U	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U	0.012 U	0.016 U	0.016 U	N/A	0.011 U	0.01 U	N/A
Ethylbenzene	mg/kg	25	0.0057 U	0.007 U	0.0049 U	**0.0053 J**	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
Isopropylbenzene	mg/kg	9,900	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
Methyl Acetate	mg/kg	1,200,000	0.057 U	0.07 U	0.049 U	0.054 U	N/A	0.05 U	0.063 U	0.078 U	0.056 U	0.061 U	0.064 U	0.058 U	0.066 U	0.068 U	0.06 U	0.079 U	0.082 U	N/A	0.056 U	0.051 U	N/A
Methylene Chloride	mg/kg	1,000	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
Styrene	mg/kg	35,000	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
Tetrachloroethene	mg/kg	100	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
Toluene	mg/kg	47,000	0.0057 U	0.007 U	0.0049 U	**0.0089**	N/A	**0.0016 J**	**0.0026 J**	0.0078 U	0.0056 U	**0.0025 J**	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
trans-1,2-Dichloroethene	mg/kg	23,000	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
Trichloroethene	mg/kg	6	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
Trichlorofluoromethane	mg/kg	3,100	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
Vinyl chloride	mg/kg	1.7	0.0057 U	0.007 U	0.0049 U	0.0054 U	N/A	0.005 U	0.0063 U	0.0078 U	0.0056 U	0.0061 U	0.0064 U	0.0058 U	0.0066 U	0.0068 U	0.006 U	0.0079 U	0.0082 U	N/A	0.0056 U	0.0051 U	N/A
Xylenes	mg/kg	2,800	0.017 U	0.021 U	0.015 U	**0.0056 J**	N/A	0.015 U	0.019 U	0.023 U	0.017 U	0.018 U	0.019 U	0.017 U	0.02 U	0.02 U	0.018 U	0.024 U	0.025 U	N/A	0.017 U	0.015 U	N/A
Semi-Volatile Organic Compounds^																							
1,1-Biphenyl	mg/kg	200	0.075 U	0.071 U	0.078 U	**0.047 J**	N/A	**0.021 J**	**0.036 J**	**0.022 J**	**0.031 J**	0.074 U	0.079 U	0.072 U	0.077 U	0.073 U	0.074 U	0.073 U	0.074 U	N/A	0.07 U	**0.016 J**	N/A
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.075 U	0.071 U	0.078 U	0.072 U	N/A	0.077 U	0.077 U	0.07 U	0.076 U	0.074 U	0.079 U	0.072 U	0.077 U	0.073 U	0.074 U	0.073 U	**0.023 J**	N/A	0.07 U	0.071 U	N/A
2,4-Dimethylphenol	mg/kg	16,000	0.075 UJ	0.071 U	0.078 U	0.072 U	N/A	0.077 U	0.077 U	**0.024 J**	0.076 U	0.074 U	0.079 U	0.072 U	0.077 U	0.073 U	0.074 U	0.073 U	0.074 U	N/A	0.07 U	0.071 U	N/A
2-Chloronaphthalene	mg/kg	60,000	0.075 U	0.071 U	0.078 U	0.072 U	N/A	0.077 U	0.077 U	0.07 U	0.076 U	**0.06 J**	0.079 U	0.072 U	0.077 U	0.073 U	0.074 U	0.073 U	0.074 U	N/A	0.07 U	0.071 U	N/A
2-Methylnaphthalene	mg/kg	3,000	0.0075 U	0.0072 U	**0.061 J**	**0.046 J**	N/A	**0.049**	**0.052 J**	**0.024**	**0.26**	**0.02**	**0.0064 J**	**0.012**	0.078 U	0.0074 U	**0.04**	**0.12**	**0.11**	N/A	**0.059**	**0.15**	N/A
2-Methylphenol	mg/kg	41,000	0.075 UJ	0.071 U	0.078 U	0.072 U	N/A	0.077 U	0.077 U	0.07 U	0.076 U	0.074 U	0.079 U	0.072 U	0.077 U	0.073 U	0.074 U	0.073 U	0.074 U	N/A	0.07 U	0.071 U	N/A
2-Nitroaniline	mg/kg	8,000	0.19 U	0.18 U	0.2 U	0.18 U	N/A	0.19 U	0.19 U	0.17 U	0.19 U	0.19 U	0.2 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U	N/A	0.18 U	0.18 U	N/A
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.15 UJ	0.14 U	0.16 U	0.14 U	N/A	0.15 U	0.15 U	0.14 U	0.15 U	0.15 U	0.16 U	0.14 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	N/A	0.14 U	0.14 U	N/A
4-Nitroaniline	mg/kg	110	0.19 UJ	0.18 UJ	0.2 U	0.18 U	N/A	0.19 U	0.19 U	0.17 U	0.19 U	0.19 U	0.2 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U	N/A	0.18 U	0.18 U	N/A
Acenaphthene	mg/kg	45,000	**0.00083 J**	0.0072 U	**0.0075 J**	**0.45**	N/A	**0.0077 J**	**0.15**	**0.011**	**0.012**	**0.0016 J**	0.008 U	**0.012**	0.078 U	0.0074 U	**0.042**	**0.0031 J**	**0.0036 J**	N/A	**0.013**	**0.011**	N/A
Acenaphthylene	mg/kg	45,000	**0.00071 J**	0.0072 U	**0.083**	**0.12**	N/A	**0.033**	**0.15**	**0.015**	**0.05**	**0.048**	0.008 U	**0.0018 J**	**0.03 J**	0.0074 U	**0.055**	**0.044**	**0.055**	N/A	**0.039**	**0.15**	N/A
Acetophenone	mg/kg	120,000	0.075 U	0.071 U	0.078 U	0.072 U	N/A	0.077 U	0.077 U	0.07 U	**0.023 J**	0.074 U	0.079 U	0.072 U	**0.039 J**	0.073 U	0.074 U	0.073 U	0.074 U	N/A	0.07 U	0.071 U	N/A
Anthracene	mg/kg	230,000	**0.0034 J**	0.0072 U	**0.13**	**2**	N/A	**0.068**	**0.92**	**0.028**	**0.22**	**0.017**	**0.0012 J**	**0.083**	**0.032 J**	**0.0016 J**	**0.37**	**0.046**	**0.074**	N/A	**0.042**	**0.18**	N/A
Benz[a]anthracene	mg/kg	21	**0.0063 J**	0.0072 U	**0.51**	**4.9**	**0.8**	**0.38**	**2.6**	**0.079**	**1.1**	**0.039**	**0.0044 J**	**0.13**	**0.074 J**	**0.011**	**2.2**	**0.25**	**0.61**	N/A	**0.25**	**0.59**	N/A
Benzaldehyde	mg/kg	120,000	0.075 U	0.071 R	**0.49**	0.072 U	N/A	**0.11**	**0.035 J**	0.07 U	**0.058 J**	**0.019 J**	0.079 U	0.072 U	**0.064 J**	0.073 U	0.074 U	0.073 U	**0.021 J**	N/A	0.07 U	0.071 U	N/A
Benzo[a]pyrene	mg/kg	2.1	**0.0045 J**	0.0072 U	**0.43**	3.5	**0.57**	**0.27**	**1.7**	**0.085**	**0.88**	**0.03**	**0.003 J**	**0.11**	**0.089**	**0.0099**	**1.2**	**0.19**	**0.54**	0.0084 U	**0.22**	**0.49**	**0.52**
Benzo[b]fluoranthene	mg/kg	21	**0.02**	**0.0015 J**	**1**	**5.6**	**1.3**	**0.68**	**3.6**	**0.25**	**1.5**	**0.073**	**0.008**	**0.28**	**0.35**	**0.029**	**3.2**	**0.57**	**1.3**	N/A	**0.64**	**1.3**	N/A
Benzo[g,h,i]perylene	mg/kg		**0.0052 J**	0.0072 U	**0.27**	**1.8**	N/A	**0.14**	**0.89**	**0.047**	**0.36**	**0.016**	**0.0016 J**	**0.048**	**0.073 J**	**0.0046 J**	**0.35**	**0.11**	**0.24**	N/A	**0.16**	**0.24**	N/A
Benzo[k]fluoranthene	mg/kg	210	**0.017**	**0.0014 J**	**0.87**	**1.9**	N/A	**0.59**	**3.1**	**0.21**	**0.49**	**0.063**	**0.007 J**	**0.24**	**0.31**	**0.026**	**3.2**	**0.5**	**1.2**	N/A	**0.53**	**1**	N/A
bis(2-Ethylhexyl)phthalate	mg/kg	160	0.075 U	0.071 UJ	**0.14**	0.072 U	N/A	**0.15**	**0.049 J**	**0.015 J**	0.076 U	0.074 U	0.079 U	0.072 U	**0.82**	0.073 U	0.074 U	**0.019 J**	0.074 U	N/A	0.07 U	**0.019 J**	N/A
Carbazole	mg/kg		0.075 U	0.071 UJ	**0.045 J**	**0.88**	N/A	**0.061 J**	**0.19**	0.07 U	**0.036 J**	0.074 U	0.079 U	**0.032 J**	**0.018 J**	0.073 U	**0.05 J**	0.073 U	**0.037 J**	N/A	**0.019 J**	**0.038 J**	N/A
Chrysene	mg/kg	2,100	**0.019**	**0.00088 J**	**0.47**	**4.4**	N/A	**0.38**	**2.1**	**0.12**	**1**	**0.047**	**0.0046 J**	**0.14**	**0.26**	**0.015**	**1.4**	**0.3**	**0.58**	N/A	**0.38**	**0.6**	N/A
Dibenz[a,h]anthracene	mg/kg	2.1	**0.0016 J**	0.0072 U	**0.11**	**0.84**	**0.16**	**0.068**	**0.41**	**0.021**	**0.16**	**0.0061 J**	0.008 U	**0.016**	**0.022 J**	**0.002 J**	**0.2**	**0.047**	**0.096**	N/A	**0.069**	**0.12**	N/A
Diethylphthalate	mg/kg	660,000	0.075 U	0.071 U	0.078 U	0.072 U	N/A	0.077 U	0.077 U	0.07 U	0.076 U	0.074 U	0.079 U	0.072 U	0.077 U	0.073 U	0.074 U	0.073 U	0.074 U	N/A	0.07 U	0.071 U	N/A
Di-n-butylphthalate	mg/kg	82,000	0.075 U	0.071 U	0.078 U	0.072 U	N/A	0.077 U	0.077 U	0.07 U	0.076 U	0.074 U	0.079 U	0.072 U	**0.095**	0.073 U	0.074 U	0.073 U	0.074 U	N/A	0.07 U	0.071 U	N/A
Di-n-ocytlphthalate	mg/kg	8,200	0.075 U	0.071 U	**0.031 J**	0.072 U	N/A	**0.05 J**	0.077 U	0.07 U	0.076 U	0.074 U	0.079 U	0.072 U	0.077 U	0.073 U	0.074 U	0.073 U	0.074 U	N/A	0.07 U	0.071 U	N/A
Fluoranthene	mg/kg	30,000	**0.042**	**0.001 J**	**0.86**	**9.8**	N/A	**0.69**	**4.4**	**0.085**	**1.4**	**0.083**	**0.0069 J**	**0.37**	**0.29**	**0.019**	**3**	**0.41**	**0.78**	N/A	**0.6**	**1**	N/A
Fluorene	mg/kg	30,000	0.0075 U	0.0072 U	**0.019 J**	**0.49**	N/A	**0.013**	**0.25**	**0.0055 J**	**0.008**	**0.0039 J**	0.008 U	**0.002 J**	0.078 U	0.0074 U	**0.083**	**0.0051 J**	**0.0046 J**	N/A	**0.0089**	**0.023**	N/A
Hexachlorobenzene	mg/kg	0.96	0.075 U	0.071 U	0.078 U	0.072 U	N/A	0.077 U	0.077 U	0.07 U	0.076 U	0.074 U	0.079 U	0.072 U	0.077 U	0.073 U	0.074 U	0.073 U	0.074 U	N/A	0.07 U	0.071 U	N/A
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.0033 J**	0.0072 U	**0.25**	**1.8**	N/A	**0.15**	**0.91**	**0.048**	**0.42**	**0.013**	**0.0012 J**	**0.05**	**0.046 J**	**0.0051 J**	**0.41**	**0.11**	**0.26**	N/A	**0.17**	**0.27**	N/A
Naphthalene	mg/kg	17	0.0024 B	0.0072 U	**0.1**	**0.043 J**	N/A	**0.16**	**0.1**	**0.043**	**0.24**	**0.076**	**0.0039 J**	**0.0075**	0.078 U	0.0074 U	**0.067**	**0.14**	**0.11**	N/A	**0.08**	**0.14**	N/A
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.075 U	0.071 U	0.078 U	0.072 U	N/A	0.077 U	0.077 U	0.07 U	0.076 U	0.074 U	0.079 U	0.072 U	0.077 U	0.073 U	0.074 U	0.073 U	0.074 U	N/A	0.07 U	0.071 U	N/A
N-Nitrosodiphenylamine	mg/kg	470	0.075 U	0.071 U	0.078 U	0.072 U	N/A	0.077 U	0.077 U	0.07 U	0.076 U	0.074 U	0.079 U	0.072 U	0.077 U	0.073 U	0.074 U	0.073 U	0.074 U	N/A	0.07 U	0.071 U	N/A
Pentachlorophenol	mg/kg	4	0.19 UJ	0.18 U	0.2 U	0.18 U	N/A	0.19 U	0.19 U	0.17 U	0.19 U	0.19 U	0.2 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U	N/A	0.18 U	0.18 U	N/A
Phenanthrene	mg/kg		**0.012**	**0.001 J**	**0.42**	**8.5**	N/A	**0.28**	**2.9**	**0.069**	**0.91**	**0.082**	**0.0059 J**	**0.32**	**0.13**	**0.008**	**1.1**	**0.22**	**0.28**	N/A	**0.14**	**0.39**	N/A
Phenol	mg/kg	250,000	0.075 UJ	0.071 U	0.078 U	0.072 U	N/A	0.077 U	0.077 U	0.07 U	0.076 U	0.074 U	0.079 U	0.072 U	**0.025 J**	0.073 U	0.074 U	0.073 U	0.074 U	N/A	0.07 U	0.071 U	N/A
Pyrene	mg/kg	23,000	**0.034**	0.0072 U	**0.75**	**7.2**	N/A	**0.52**	**3.2**	**0.072**	**1.1**	**0.072**	**0.0052 J**	**0.26**	**0.5**	**0.012**	**2.4**	**0.3**	**0.63**	N/A	**0.49**	**0.92**	N/A
PCBs																							
Aroclor 1242	mg/kg	0.97	0.057 U	N/A	0.0569 U	N/A	N/A	0.0667 U	N/A	N/A	0.0572 U	N/A	0.0647 U	N/A	1.82 U	0.0565 U	N/A	0.0571 U	N/A	N/A	0.0605 U	N/A	N/A
Aroclor 1248	mg/kg	0.94	0.057 U	N/A	0.0569 U	N/A	N/A	**0.0938**	N/A	N/A	0.0572 U	N/A	0.0647 U	N/A	1.82 U	0.0565 U	N/A	0.0571 U	N/A	N/A	**0.042 J**	N/A	N/A
Aroclor 1254	mg/kg	0.97	0.057 U	N/A	**0.0424 J**	N/A	N/A	**0.0839**	N/A	N/A	0.0572 U	N/A	0.0647 U	N/A	1.82 U	0.0565 U	N/A	0.0571 U	N/A	N/A	**0.0703**	N/A	N/A
Aroclor 1260	mg/kg	0.99	0.057 U	N/A	0.0569 U	N/A	N/A	0.0667 U	N/A	N/A	0.0572 U	N/A	0.0647 U	N/A	1.82 U	0.0565 U	N/A	0.0571 U	N/A	N/A	0.0605 U	N/A	N/A
Aroclor 1262	mg/kg		0.057 U	N/A	0.0569 U	N/A	N/A	**0.115**	N/A	N/A	0.0572 U	N/A	0.0647 U	N/A	1.82 U	0.0565 U	N/A	0.0571 U	N/A	N/A	0.0605 U	N/A	N/A
Aroclor 1268	mg/kg		0.057 U	N/A	0.0569 U	N/A	N/A	0.0667 U	N/A	N/A	**0.432**	N/A	0.0647 U	N/A	**74.4**	**0.14**	N/A	**0.111**	N/A	N/A	0.0605 U	N/A	N/A
PCBs (total)	mg/kg	0.97	0.057 U	N/A	**0.0424 J**	N/A	N/A	**0.2927**	N/A	N/A	**0.432**	N/A	0.0647 U	N/A	74.4	**0.14**	N/A	**0.111**	N/A	N/A	**0.1123**	N/A	N/A
TPH																							
Diesel Range Organics	mg/kg	6,200	**45.5 J**	**14.5 J**	**138**	**133**	N/A	**71**	**110**	**134**	**30.6**	**26.1**	**6.4 J**	**14.6**	**560**	**16**	**44.8**	**32.9**	**38.3**	N/A	**153**	**135**	N/A
Gasoline Range Organics	mg/kg	6,200	14.7 U	13.1 U	10.4 U	**20.4**	N/A	10.1 U	11.5 U	9.9 U	12.1 U	12.9 U	12.2 U	11.4 U	15.1 U	12.3 U	12.8 U	13.2 U	19.9 U	N/A	10.5 U	12.4 U	N/A

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-032-SB-1*	B22-032-SB-4*	B22-032-SB-10*	B22-033-SB-1*	B22-034-SB-1*	B22-035-SB-1	B22-036-SB-1	B22-036-SB-4	B22-037-SB-1*	B22-038-SB-1*	B22-039A-SB-3	B22-039-SB-1	B22-039-SB-4	B22-040-SB-1	B22-040-SB-4	B22-041-SB-1	B22-041-SB-5	B22-042-SB-1	B22-042-SB-4	B22-043-SB-1*	B22-043-SB-4*	B22-043-SB-10*
Volatile Organic Compounds																								
1,1,1-Trichloroethane	mg/kg	36,000	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.054 U	0.045 U	N/A	0.048 U	0.025 U	0.051 UJ	0.043 UJ	0.046 UJ	0.055 U	0.046 U	N/A	0.069 U	0.072 U	0.065 U	0.071 U	0.053 U	0.046 U	0.054 U	0.054 U	0.048 U	0.064 U	N/A
1,1,2-Trichloroethane	mg/kg	5	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
1,1-Dichloroethane	mg/kg	16	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
1,1-Dichloroethene	mg/kg	1,000	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
1,2,3-Trichlorobenzene	mg/kg	930	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
1,2,4-Trichlorobenzene	mg/kg	110	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
1,2-Dichloroethane	mg/kg	2	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
1,2-Dichloroethene (Total)	mg/kg	2,300	0.011 U	0.009 U	N/A	0.0096 U	0.005 U	0.01 U	0.0086 U	0.0091 U	0.011 U	0.0092 U	N/A	0.014 U	0.014 U	0.013 U	0.014 U	0.011 U	0.0093 U	0.011 U	0.011 U	0.0097 U	0.013 U	N/A
1,4-Dichlorobenzene	mg/kg	11	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
1,4-Dioxane	mg/kg	24	0.11 U	0.09 U	N/A	0.096 U	0.05 U	0.1 R	0.086 R	0.091 R	0.11 U	0.092 U	N/A	0.14 R	0.14 R	0.13 R	0.14 R	0.11 R	0.093 R	0.11 R	0.11 R	0.097 U	0.13 U	N/A
2-Butanone (MEK)	mg/kg	190,000	0.011 U	**0.0026 J**	N/A	0.0096 U	0.005 U	0.01 U	**0.003 J**	**0.0026 J**	0.011 U	0.0092 U	N/A	0.014 U	0.014 U	0.013 U	0.014 U	0.011 U	0.0093 U	0.011 U	0.011 U	0.0097 U	0.013 U	N/A
2-Hexanone	mg/kg	1,300	0.011 U	0.009 U	N/A	0.0096 U	0.005 U	0.01 U	0.0086 U	0.0091 U	0.011 U	0.0092 U	N/A	0.014 U	0.014 U	0.013 U	0.014 U	0.011 U	0.0093 U	0.011 U	0.011 U	**0.0015 J**	0.013 U	N/A
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.011 U	0.009 U	N/A	0.0096 U	0.005 U	0.01 U	0.0086 UJ	0.0091 UJ	0.011 U	0.0092 U	N/A	0.014 UJ	0.014 UJ	0.013 UJ	0.014 UJ	0.011 UJ	0.0093 UJ	0.011 UJ	0.011 UJ	0.0097 U	0.013 U	N/A
Acetone	mg/kg	670,000	0.011 U	0.009 U	N/A	0.0096 U	0.005 U	0.01 U	**0.034**	**0.057**	0.011 U	0.0092 U	N/A	**0.01 J**	**0.012 J**	**0.017**	**0.016**	0.011 U	0.0093 U	**0.0075 J**	**0.013**	**0.0059 J**	**0.015**	N/A
Benzene	mg/kg	5.1	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	**0.0019 J**	**0.0014 J**	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	**0.0024 J**	0.0054 U	**0.015**	0.0064 U	N/A
Chlorobenzene	mg/kg	1,300	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
Chloroethane	mg/kg	57,000	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
Chloroform	mg/kg	1.4	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
cis-1,2-Dichloroethene	mg/kg	2,300	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
Cyclohexane	mg/kg	27,000	0.011 U	0.009 U	N/A	0.0096 U	0.005 U	0.01 U	0.0086 U	0.0091 U	0.011 U	0.0092 U	N/A	0.014 UJ	0.014 UJ	0.013 UJ	0.014 UJ	0.011 U	0.0093 U	0.011 UJ	0.011 UJ	0.0097 U	0.013 U	N/A
Ethylbenzene	mg/kg	25	0.0054 U	**0.0022 J**	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	**0.0043 J**	0.0064 U	N/A
Isopropylbenzene	mg/kg	9,900	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
Methyl Acetate	mg/kg	1,200,000	0.054 U	0.045 U	N/A	0.048 U	0.025 U	0.051 U	0.043 UJ	0.046 UJ	0.055 U	0.046 U	N/A	0.069 U	0.072 U	0.065 U	0.071 U	0.053 U	0.046 U	0.054 U	0.054 U	0.048 U	0.064 U	N/A
Methylene Chloride	mg/kg	1,000	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
Styrene	mg/kg	35,000	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 UJ	0.0046 UJ	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
Tetrachloroethene	mg/kg	100	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 UJ	0.0072 UJ	0.0065 UJ	0.0071 UJ	0.0053 U	0.0046 U	0.0054 UJ	0.0054 UJ	0.0048 U	0.0064 U	N/A
Toluene	mg/kg	47,000	0.0054 U	**0.0038 J**	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0026 B	0.0054 U	**0.017**	0.0064 U	N/A
trans-1,2-Dichloroethene	mg/kg	23,000	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
Trichloroethene	mg/kg	6	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
Trichlorofluoromethane	mg/kg	3,100	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 UJ	0.0046 UJ	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
Vinyl chloride	mg/kg	1.7	0.0054 U	0.0045 U	N/A	0.0048 U	0.0025 U	0.0051 U	0.0043 U	0.0046 U	0.0055 U	0.0046 U	N/A	0.0069 U	0.0072 U	0.0065 U	0.0071 U	0.0053 U	0.0046 U	0.0054 U	0.0054 U	0.0048 U	0.0064 U	N/A
Xylenes	mg/kg	2,800	0.016 U	0.014 U	N/A	0.014 U	0.0075 U	0.015 U	0.013 U	0.014 U	0.016 U	0.014 U	N/A	0.021 U	0.022 U	0.019 U	0.021 U	0.016 U	0.014 U	0.016 U	0.016 U	**0.0036 J**	0.019 U	N/A
Semi-Volatile Organic Compounds^																								
1,1-Biphenyl	mg/kg	200	0.069 U	0.072 U	N/A	0.074 U	0.073 U	0.077 U	0.072 U	0.076 U	0.075 U	**0.084**	0.088 U	0.071 U	0.076 U	0.075 U	0.074 U	0.07 U	0.082 U	0.072 U	0.079 U	0.076 U	**0.037 J**	N/A
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.069 U	0.072 U	N/A	0.074 U	0.073 U	0.077 U	0.072 U	0.076 U	0.075 U	0.073 U	0.088 U	0.071 U	0.076 U	0.075 U	0.074 U	0.07 U	0.082 U	**0.094**	0.079 U	0.076 U	0.083 U	N/A
2,4-Dimethylphenol	mg/kg	16,000	0.069 U	0.072 U	N/A	0.074 U	0.073 U	0.077 UJ	0.072 R	0.076 R	0.075 U	0.073 U	**10.9**	0.071 R	0.076 U	**0.023 J**	0.074 UJ	0.07 U	0.082 U	0.072 U	0.079 U	**0.018 J**	0.083 U	N/A
2-Chloronaphthalene	mg/kg	60,000	0.069 U	0.072 U	N/A	0.074 U	0.073 U	0.077 U	0.072 U	0.076 U	0.075 U	0.073 U	0.088 U	0.071 U	0.076 U	0.075 U	0.074 U	0.07 U	0.082 U	0.072 U	0.079 U	0.076 U	0.083 U	N/A
2-Methylnaphthalene	mg/kg	3,000	**0.023**	**0.012**	N/A	**0.0086**	**0.0062 J**	**0.0099**	**0.077**	**0.024**	0.076 U	**0.28**	0.43 U	**0.0031 J**	**0.0022 J**	0.077 U	0.0074 U	**0.0044 J**	**0.0025 J**	**0.022 J**	**0.0052 J**	**0.084**	**0.12**	N/A
2-Methylphenol	mg/kg	41,000	0.069 U	0.072 U	N/A	0.074 U	0.073 U	0.077 UJ	0.072 R	0.076 R	0.075 U	0.073 U	0.088 U	0.071 R	0.076 U	0.075 UJ	0.074 UJ	0.07 U	0.082 U	0.072 U	0.079 U	0.076 U	0.083 U	N/A
2-Nitroaniline	mg/kg	8,000	0.17 U	0.18 U	N/A	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.18 U	0.22 U	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U	0.21 U	0.18 U	0.2 U	0.19 U	0.21 U	N/A
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.14 U	0.14 U	N/A	0.15 U	0.15 U	0.15 UJ	0.14 R	0.15 R	0.15 U	0.14 U	**14.3**	0.14 R	0.15 U	**0.027 J**	0.15 UJ	0.14 U	0.16 U	0.14 U	0.16 U	0.15 U	0.16 U	N/A
4-Nitroaniline	mg/kg	110	0.17 U	0.18 U	N/A	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.18 U	0.22 UJ	0.18 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.18 U	0.21 U	0.18 UJ	0.2 UJ	0.19 U	0.21 U	N/A
Acenaphthene	mg/kg	45,000	**0.001 J**	**0.0025 J**	N/A	**0.003 J**	**0.0013 J**	**0.0011 J**	**0.0057 J**	**0.0019 J**	0.076 U	**0.049**	**0.21 J**	0.007 U	**0.0005 J**	**0.046 J**	**0.0017 J**	**0.0011 J**	0.0083 U	**0.014 J**	**0.0049 J**	**0.02 J**	**0.12**	N/A
Acenaphthylene	mg/kg	45,000	**0.0063 J**	**0.014**	N/A	**0.0059 J**	**0.0014 J**	0.008 U	**0.0088**	**0.0044 J**	**0.019 J**	**0.24**	0.43 U	0.007 U	**0.0025 J**	**0.009 J**	0.0074 U	**0.0071 J**	**0.00068 J**	**0.028 J**	**0.0053 J**	**0.088**	**0.33**	N/A
Acetophenone	mg/kg	120,000	0.069 U	0.072 U	N/A	0.074 U	0.073 U	0.077 U	0.072 U	0.076 U	0.075 U	**0.026 J**	0.088 U	0.071 U	0.076 U	0.075 U	0.074 U	0.07 U	0.082 U	0.072 U	0.079 U	0.076 U	0.083 U	N/A
Anthracene	mg/kg	230,000	**0.016**	**0.031**	N/A	**0.015**	**0.009**	**0.0099**	**0.023**	**0.012**	**0.039 J**	**0.34**	**0.13 J**	**0.0025 J**	**0.002 J**	**0.13**	**0.0056 J**	**0.01**	**0.0013 J**	**0.049 J**	**0.014**	**0.13**	**0.66**	N/A
Benz[a]anthracene	mg/kg	21	**0.049**	**0.19**	N/A	**0.073**	**0.044**	**0.031**	**0.11**	**0.062**	**0.17**	**1.2**	0.43 U	**0.0063 J**	**0.011**	**0.34**	**0.016**	**0.045**	**0.0046 J**	**0.12**	**0.055**	**0.54**	**2.1**	N/A
Benzaldehyde	mg/kg	120,000	0.069 U	0.072 U	N/A	0.074 U	0.073 U	0.077 R	0.072 R	0.076 R	0.075 U	0.073 U	0.088 R	0.071 R	0.076 R	0.075 R	0.074 R	0.07 R	0.082 R	0.072 R	0.079 R	0.076 U	0.083 U	N/A
Benzo[a]pyrene	mg/kg	2.1	**0.044**	**0.17**	**0.023**	**0.09**	**0.059**	**0.033**	**0.12**	**0.066**	**0.15**	**1.1**	0.43 U	**0.0048 J**	**0.0096**	**0.28**	**0.015**	**0.033**	**0.0038 J**	**0.11**	**0.05**	**0.55**	**2.4**	0.0084 U
Benzo[b]fluoranthene	mg/kg	21	**0.13**	**0.36**	N/A	**0.24**	**0.12**	**0.068**	**0.24**	**0.14**	**0.42**	**2**	**0.47**	**0.015**	**0.02**	**0.66**	**0.032**	**0.069**	**0.0079 J**	**0.22**	**0.1**	**1.2**	**5.4**	0.0084 U
Benzo[g,h,i]perylene	mg/kg		**0.037**	**0.097**	N/A	**0.067**	**0.052**	**0.017**	**0.082**	**0.047**	**0.096**	**0.75**	**0.07 J**	**0.0034 J**	**0.0047 J**	**0.14**	**0.0067 J**	**0.021**	**0.003 J**	**0.074**	**0.034**	**0.18**	**0.54**	N/A
Benzo[k]fluoranthene	mg/kg	210	**0.11**	**0.32**	N/A	**0.21**	**0.11**	**0.059**	**0.24**	**0.14**	**0.35**	**1.7**	0.43 U	**0.012**	**0.016**	**0.56**	**0.027**	**0.066**	**0.0075 J**	**0.19**	**0.084**	**1.2**	**5.2**	N/A
bis(2-Ethylhexyl)phthalate	mg/kg	160	0.069 U	0.072 U	N/A	**0.022 J**	0.073 U	0.077 U	0.072 U	0.076 U	0.075 U	0.073 U	**1.1 J**	0.071 U	0.076 U	**0.26 J**	0.074 U	0.07 U	0.082 U	**0.45 J**	0.079 U	**0.028 J**	0.083 U	N/A
Carbazole	mg/kg		0.069 U	0.072 U	N/A	0.074 U	0.073 U	0.077 U	0.072 U	0.076 U	0.075 U	**0.13**	0.88 U	0.071 U	0.076 U	**0.093 J**	0.074 U	0.07 U	0.082 U	**0.039 J**	0.079 U	**0.04 J**	**0.13**	N/A
Chrysene	mg/kg	2,100	**0.078**	**0.18**	N/A	**0.1**	**0.05**	**0.026**	**0.13**	**0.08**	**0.18**	**1.1**	**1**	**0.0095**	**0.0097**	**0.38**	**0.018**	**0.046**	**0.006 J**	**0.13**	**0.06**	**0.62**	**2.1**	N/A
Dibenz[a,h]anthracene	mg/kg	2.1	**0.013**	**0.037**	N/A	**0.02**	**0.011**	**0.0067 J**	**0.028**	**0.016**	**0.032 J**	**0.26**	0.43 U	**0.001 J**	**0.0017 J**	**0.045 J**	**0.0021 J**	**0.0071 J**	0.0083 UJ	**0.024 J**	**0.0099**	**0.086**	**0.23**	N/A
Diethylphthalate	mg/kg	660,000	0.069 U	0.072 U	N/A	0.074 U	0.073 U	0.077 U	0.072 U	0.076 U	0.075 U	0.073 U	0.088 U	0.071 U	0.076 U	0.075 U	0.074 U	0.07 U	0.082 U	0.072 U	0.079 U	0.076 U	0.083 U	N/A
Di-n-butylphthalate	mg/kg	82,000	0.069 U	0.072 U	N/A	0.074 U	0.073 U	0.077 U	0.072 U	0.076 U	0.075 U	0.073 U	0.88 U	0.071 U	0.076 U	**0.073 J**	0.074 U	0.07 U	0.082 U	0.072 U	0.079 U	0.076 U	0.083 U	N/A
Di-n-ocytlphthalate	mg/kg	8,200	0.069 U	0.072 U	N/A	**0.023 J**	0.073 U	0.077 U	0.072 U	0.076 U	0.075 U	0.073 U	0.088 UJ	0.071 U	0.076 UJ	0.075 UJ	0.074 UJ	0.07 U	0.082 U	**0.11 J**	0.079 UJ	0.076 U	0.083 U	N/A
Fluoranthene	mg/kg	30,000	**0.12**	**0.36**	N/A	**0.14**	**0.06**	**0.051**	**0.21**	**0.12**	**0.31**	**1.6**	**0.84**	**0.022**	**0.016**	**0.92**	**0.038**	**0.095**	**0.0067 J**	**0.27**	**0.11**	**1.1**	**5.6**	N/A
Fluorene	mg/kg	30,000	**0.0018 J**	**0.0054 J**	N/A	**0.0026 J**	**0.0011 J**	**0.0011 J**	**0.0096**	**0.0019 J**	0.076 U	**0.076**	**0.072 J**	0.007 U	0.0076 U	**0.04 J**	**0.0018 J**	**0.0024 J**	**0.0011 J**	**0.031 J**	**0.0051 J**	**0.056 J**	**0.37**	N/A
Hexachlorobenzene	mg/kg	0.96	0.069 U	0.072 U	N/A	0.074 U	0.073 U	0.077 U	0.072 U	0.076 U	0.075 U	0.073 U	0.88 U	0.071 U	0.076 U	0.075 U	0.074 U	0.07 U	0.082 U	**0.038 J**	0.079 U	0.076 U	0.083 U	N/A
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.032**	**0.092**	N/A	**0.058**	**0.04**	**0.016**	**0.077**	**0.044**	**0.093**	**0.73**	0.43 U	**0.0029 J**	**0.0043 J**	**0.13**	**0.0061 J**	**0.021**	**0.0026 J**	**0.065 J**	**0.03**	**0.2**	**0.67**	N/A
Naphthalene	mg/kg	17	**0.11**	**0.021**	N/A	**0.016**	**0.0098**	**0.014**	**0.13**	**0.028**	0.076 U	**0.87**	**0.3 J**	0.003 B	0.0034 B	**0.02 J**	0.002 B	0.0048 B	0.0063 B	**0.15**	**0.0092**	**0.14**	**0.41**	N/A
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.069 U	0.072 U	N/A	0.074 U	0.073 U	0.077 U	0.072 U	0.076 U	0.075 U	0.073 U	0.088 U	0.071 U	0.076 U	0.075 U	0.074 U	0.07 U	0.082 U	0.072 U	0.079 U	0.076 U	0.083 U	N/A
N-Nitrosodiphenylamine	mg/kg	470	0.069 U	0.072 U	N/A	0.074 U	0.073 U	0.077 U	0.072 U	0.076 U	0.075 U	0.073 U	0.88 U	0.071 U	0.076 U	0.075 U	0.074 U	0.07 U	0.082 U	0.072 U	0.079 U	0.076 U	0.083 U	N/A
Pentachlorophenol	mg/kg	4	0.17 U	0.18 U	N/A	0.19 U	0.18 U	0.19 UJ	0.18 R	0.19 R	0.19 U	0.18 U	2.2 U	0.18 R	0.19 U	0.19 UJ	0.19 UJ	0.18 U	0.21 U	0.18 U	0.2 U	0.19 U	0.21 U	N/A
Phenanthrene	mg/kg		**0.074**	**0.11**	N/A	**0.055**	**0.029**	**0.029**	**0.16**	**0.086**	**0.11**	**1**	**0.86**	**0.018**	**0.0079**	**0.59**	**0.026**	**0.06**	**0.0076 J**	**0.22**	**0.064**	**0.45**	**2**	N/A
Phenol	mg/kg	250,000	0.069 U	0.072 U	N/A	0.074 U	0.073 U	0.077 UJ	0.072 R	0.076 R	0.075 U	0.073 U	**14.4**	0.071 R	0.076 U	**0.14 J**	0.074 UJ	0.07 U	0.082 U	0.072 U	0.079 U	**0.019 J**	0.083 U	N/A
Pyrene	mg/kg	23,000	**0.089**	**0.3**	N/A	**0.12**	**0.057**	**0.041**	**0.18**	**0.1**	**0.31**	**1.6**	**0.62**	**0.018**	**0.014**	**0.79**	**0.032**	**0.074**	**0.0065 J**	**0.23**	**0.1**	**0.92**	**4.7**	N/A
PCBs																								
Aroclor 1242	mg/kg	0.97	0.567 U	N/A	N/A	0.0598 U	0.0533 U	0.0609 U	0.0553 U	N/A	0.279 U	0.0565 U	N/A	0.174 U	N/A	0.0589 U	N/A	0.0594 U	N/A	0.537 U	N/A	0.0627 U	N/A	N/A
Aroclor 1248	mg/kg	0.94	**14.9**	N/A	N/A	0.0598 U	0.0533 U	0.0609 U	0.0553 U	N/A	0.279 U	0.0565 U	N/A	**4.87**	N/A	**0.709**	N/A	0.0594 U	N/A	**3.06**	N/A	0.0627 U	N/A	N/A
Aroclor 1254	mg/kg	0.97	0.567 U	N/A	N/A	0.0598 U	0.0533 U	0.0609 U	0.0553 U	N/A	**7.93**	**0.311**	N/A	0.174 U	N/A	**0.47**	N/A	0.0594 U	N/A	0.537 U	N/A	**0.0851**	N/A	N/A
Aroclor 1260	mg/kg	0.99	0.567 U	N/A	N/A	0.0598 U	0.0533 U	0.0609 U	0.0553 U	N/A	0.279 U	0.0565 U	N/A	0.174 U	N/A	**0.279**	N/A	0.0594 U	N/A	**21.1**	N/A	0.0627 U	N/A	N/A
Aroclor 1262	mg/kg		0.567 U	N/A	N/A	0.0598 U	0.0533 U	0.0609 U	0.0553 U	N/A	0.279 U	0.0565 U	N/A	**0.289**	N/A	0.0589 U	N/A	0.0594 U	N/A	0.537 U	N/A	0.0627 U	N/A	N/A
Aroclor 1268	mg/kg		0.567 U	N/A	N/A	0.0598 U	0.0533 U	**0.251**	**0.192**	N/A	0.279 U	**0.679**	N/A	0.174 U	N/A	0.0589 U	N/A	0.0594 U	N/A	0.537 U	N/A	**0.696**	N/A	N/A
PCBs (total)	mg/kg	0.97	**14.9**	N/A	N/A	0.0598 U	0.0533 U	**0.251**	**0.192**	N/A	**7.93**	**0.99**	N/A	**5.159**	N/A	**1.458**	N/A	0.0594 U	N/A	**24.16**	N/A	**0.7811**	N/A	N/A
TPH																								
Diesel Range Organics	mg/kg	6,200	**28.3**	**58.5**	N/A	**41.5**	**18.5**	**7.7 J**	**33.5 J**	**21.7 J**	**15.1**	**117**	N/A	**11 J**	**3.4 J**	**92.8 J**	**6.6 J**	**31.4 J**	**9.1 J**	**99.6 J**	**5.6 J**	**102**	**197**	N/A
Gasoline Range Organics	mg/kg	6,200	10.4 U	10.4 U	N/A	10.1 U	9.3 U	10.1 U	9 U	9 U	10.8 U	11.9 U	N/A	15.7 U	18.6 U	12.3 U	17.1 U	11.5 U	9.4 U	11.5 U	9 U	10.2 U	13.6 U	N/A

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-044-SB-1	B22-044-SB-4	B22-045-SB-1	B22-046-SB-1	B22-046-SB-4	B22-047-SB-1*	B22-047-SB-5*	B22-048-SB-1	B22-048-SB-5	B22-049-SB-1	B22-049-SB-5	B22-050-SB-1	B22-050-SB-4.5	B22-051-SB-1	B22-051-SB-6	B22-052-SB-1	B22-052-SB-8	B22-053-SB-1	B22-053-SB-8	B22-054-SB-1	B22-054-SB-4	B22-055-SB-1
Volatile Organic Compounds																								
1,1,1-Trichloroethane	mg/kg	36,000	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	0.0061 U	0.0052 U	**0.013**
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.054 U	0.052 U	0.056 U	0.051 U	0.058 U	0.069 U	0.051 U	0.086 U	0.057 U	0.064 UJ	0.052 UJ	0.051 UJ	0.052 UJ	0.054 UJ	0.053 UJ	0.051 UJ	2.5 U	0.054 UJ	0.049 UJ	0.061 UJ	0.052 UJ	0.07 U
1,1,2-Trichloroethane	mg/kg	5	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 U
1,1-Dichloroethane	mg/kg	16	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	**0.0036 J**	0.0051 U	0.25 U	**0.013**	0.0049 U	0.0061 U	0.0052 U	0.007 U
1,1-Dichloroethene	mg/kg	1,000	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	**0.015**	0.0051 U	0.25 U	**0.0049 J**	0.0049 U	0.0061 U	0.0052 U	0.007 U
1,2,3-Trichlorobenzene	mg/kg	930	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 U
1,2,4-Trichlorobenzene	mg/kg	110	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 U
1,2-Dichloroethane	mg/kg	2	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	**0.0049 J**	0.0051 U	0.25 U	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 U
1,2-Dichloroethene (Total)	mg/kg	2,300	0.011 U	0.01 U	0.011 U	0.01 U	0.012 U	0.014 U	0.01 U	0.017 U	0.011 U	0.013 U	0.01 U	0.01 U	0.01 U	0.011 U	0.011 U	0.01 U	0.51 U	0.011 U	0.0099 U	0.012 U	0.01 U	0.014 U
1,4-Dichlorobenzene	mg/kg	11	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	**0.0041 J**	**0.0023 J**	0.0051 U	**5**	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 U
1,4-Dioxane	mg/kg	24	0.11 R	0.1 R	0.11 R	0.1 R	0.12 R	0.14 U	0.1 U	0.17 R	0.11 R	0.13 R	0.1 R	0.1 R	0.1 R	0.11 R	0.11 R	0.1 R	5.1 U	0.11 R	0.099 R	0.12 R	0.1 R	0.14 R
2-Butanone (MEK)	mg/kg	190,000	0.011 U	0.01 U	0.011 U	0.01 U	0.012 U	0.014 U	0.01 U	0.017 U	0.011 U	0.013 U	0.01 U	0.01 U	0.01 U	0.011 U	0.011 U	0.01 U	0.51 U	**0.0038 J**	0.0099 U	**0.0049 J**	**0.0047 J**	0.014 U
2-Hexanone	mg/kg	1,300	0.011 U	0.01 U	0.011 U	0.01 U	0.012 U	0.014 U	0.01 U	0.017 U	0.011 U	0.013 U	0.01 U	0.01 U	0.01 U	0.011 U	0.011 U	0.01 U	0.51 U	0.011 U	0.0099 U	0.012 U	0.01 U	0.014 U
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.011 UJ	0.01 UJ	0.011 UJ	0.01 UJ	0.012 UJ	0.014 U	0.01 U	0.017 UJ	0.011 UJ	0.013 U	0.01 U	0.01 U	0.01 U	0.011 UJ	0.011 UJ	0.01 UJ	0.51 U	0.011 U	0.0099 UJ	0.012 UJ	0.01 UJ	0.014 U
Acetone	mg/kg	670,000	**0.046**	**0.024**	0.011 U	**0.017 J**	0.012 U	0.014 U	0.01 U	0.017 U	0.011 U	0.013 U	0.01 U	0.01 U	0.01 U	0.011 U	0.011 U	0.01 U	0.51 U	**0.0073 J**	0.0099 U	**0.0062 J**	**0.054 J**	0.014 U
Benzene	mg/kg	5.1	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	**0.052**	0.0052 U	0.007 U
Chlorobenzene	mg/kg	1,300	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	**0.27**	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 U
Chloroethane	mg/kg	57,000	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 UJ	0.0052 UJ	0.0051 UJ	0.0052 UJ	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 UJ
Chloroform	mg/kg	1.4	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 U
cis-1,2-Dichloroethene	mg/kg	2,300	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 U
Cyclohexane	mg/kg	27,000	0.011 UJ	0.01 UJ	0.011 UJ	0.01 UJ	0.012 UJ	0.014 U	0.01 U	0.017 U	0.011 U	0.013 U	0.01 U	0.01 U	0.01 U	0.011 U	0.011 U	0.01 U	0.51 U	0.011 U	0.0099 U	**0.035**	0.01 U	0.014 U
Ethylbenzene	mg/kg	25	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	**0.0033 J**	0.0052 U	0.007 U
Isopropylbenzene	mg/kg	9,900	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 U
Methyl Acetate	mg/kg	1,200,000	0.054 U	0.052 U	0.056 U	0.051 U	0.058 U	0.069 U	0.051 U	0.086 U	0.057 U	0.064 U	0.052 U	0.051 U	0.052 U	0.054 U	0.053 U	0.051 U	2.5 U	0.054 U	0.049 UJ	0.061 UJ	0.052 UJ	0.07 U
Methylene Chloride	mg/kg	1,000	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 UJ
Styrene	mg/kg	35,000	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 UJ	0.0053 UJ	0.0051 UJ	0.25 U	0.0054 U	0.0049 UJ	0.0061 UJ	0.0052 UJ	0.007 U
Tetrachloroethene	mg/kg	100	0.0054 UJ	0.0052 UJ	0.0056 UJ	0.0051 UJ	0.0058 UJ	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 U
Toluene	mg/kg	47,000	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	**0.0049 J**	0.0052 U	0.007 U
trans-1,2-Dichloroethene	mg/kg	23,000	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 U
Trichloroethene	mg/kg	6	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 U
Trichlorofluoromethane	mg/kg	3,100	**0.0046 J**	0.0052 U	**0.0042 J**	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 UJ	0.0061 UJ	0.0052 UJ	0.007 UJ
Vinyl chloride	mg/kg	1.7	0.0054 U	0.0052 U	0.0056 U	0.0051 U	0.0058 U	0.0069 U	0.0051 U	0.0086 U	0.0057 U	0.0064 U	0.0052 U	0.0051 U	0.0052 U	0.0054 U	0.0053 U	0.0051 U	0.25 U	0.0054 U	0.0049 U	0.0061 U	0.0052 U	0.007 U
Xylenes	mg/kg	2,800	0.016 U	0.016 U	0.017 U	0.015 U	0.017 U	0.021 U	0.015 U	0.026 U	0.017 U	0.019 U	0.016 U	0.015 U	0.016 U	0.016 U	0.016 U	0.015 U	0.76 U	0.016 U	0.015 U	**0.017 J**	0.016 U	0.021 U
Semi-Volatile Organic Compounds^																								
1,1-Biphenyl	mg/kg	200	0.074 U	0.071 U	0.07 U	0.071 U	0.09 U	0.077 U	0.084 U	0.072 U	0.08 U	0.071 U	0.073 U	0.073 U	0.085 U	0.075 U	0.082 U	0.081 U	0.085 U	0.075 U	0.082 U	**0.031 J**	0.08 U	**0.044 J**
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.074 U	0.071 U	0.07 U	0.071 U	0.09 U	0.077 U	0.084 U	0.072 U	0.08 U	0.071 U	0.073 U	0.073 U	0.085 U	0.075 U	0.082 U	0.081 U	0.085 U	0.075 U	0.082 U	0.073 U	0.08 U	0.077 U
2,4-Dimethylphenol	mg/kg	16,000	0.074 R	0.071 U	0.07 U	0.071 R	0.09 U	0.077 U	0.084 U	0.072 U	0.08 UJ	0.071 R	0.073 U	0.073 U	0.085 U	0.075 U	0.082 U	0.081 U	0.085 U	0.075 UJ	0.082 U	0.073 U	0.08 U	**0.016 J**
2-Chloronaphthalene	mg/kg	60,000	0.074 U	0.071 U	0.07 U	0.071 U	0.09 U	0.077 U	0.084 U	0.072 U	0.08 U	0.071 U	0.073 U	0.073 U	0.085 U	0.075 U	0.082 U	0.081 U	0.085 U	0.075 U	0.082 U	0.073 U	0.08 U	0.077 U
2-Methylnaphthalene	mg/kg	3,000	**0.031 J**	**0.02 J**	**0.042 J**	**0.038 J**	**0.0039 J**	**0.085**	**0.039 J**	**0.0089**	**0.0064 J**	0.0072 U	0.0074 U	**0.06 J**	**0.011**	**0.033**	0.0083 U	**0.057**	0.0086 U	**0.064 J**	0.0083 U	**0.27**	0.008 U	**0.12**
2-Methylphenol	mg/kg	41,000	0.074 R	0.071 U	0.07 U	0.071 R	0.09 U	0.077 U	0.084 U	0.072 U	0.08 UJ	0.071 R	0.073 U	0.073 U	0.085 U	0.075 U	0.082 U	0.081 U	0.085 U	0.075 UJ	0.082 U	0.073 U	0.08 U	0.077 U
2-Nitroaniline	mg/kg	8,000	0.18 U	0.18 U	0.18 U	0.18 U	0.22 U	0.19 U	0.21 U	0.18 U	0.2 U	0.18 U	0.18 U	0.18 U	0.21 U	0.19 U	0.2 U	0.2 U	0.21 U	0.19 U	0.21 U	0.18 U	0.2 U	0.19 U
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.15 R	0.14 U	0.14 U	0.14 R	0.18 U	0.15 U	0.17 U	0.14 U	0.16 UJ	0.14 R	0.15 U	0.15 U	0.17 U	0.15 U	0.16 U	0.16 U	0.17 U	0.15 UJ	0.16 U	0.15 U	0.16 U	0.15 U
4-Nitroaniline	mg/kg	110	0.18 UJ	0.18 UJ	0.18 U	0.18 UJ	0.22 UJ	0.19 U	0.21 U	0.18 U	0.2 U	0.18 U	0.18 U	0.18 U	0.21 U	0.19 U	0.2 U	0.2 U	0.21 U	0.19 U	0.21 U	0.18 U	0.2 U	0.19 U
Acenaphthene	mg/kg	45,000	**0.0078 J**	**0.0076 J**	**0.017 J**	**0.0094 J**	**0.0011 J**	**0.16**	0.085 U	**0.0011 J**	**0.0025 J**	**0.0008 J**	0.0074 U	**0.2**	**0.053 J**	**0.00081 J**	0.0083 U	**0.046**	**0.0029 J**	0.075 U	0.0083 U	**0.0095 J**	0.008 U	**0.036 J**
Acenaphthylene	mg/kg	45,000	**0.021 J**	**0.021 J**	**0.063 J**	**0.023 J**	**0.0026 J**	**0.11**	0.085 U	**0.0079**	**0.005 J**	**0.00069 J**	0.0074 U	**0.027 J**	**0.005 J**	**0.00091 J**	0.0083 U	**0.032**	**0.00075 J**	**0.014 J**	0.0083 U	**0.0088 J**	0.008 U	**0.23**
Acetophenone	mg/kg	120,000	0.074 U	0.071 U	**0.063 J**	0.071 U	0.09 U	**0.049 J**	0.084 U	0.072 U	0.08 U	0.071 U	0.073 U	0.073 U	0.085 U	0.075 U	0.082 U	0.081 U	0.085 U	**0.018 J**	0.082 U	0.073 U	0.08 U	**0.041 J**
Anthracene	mg/kg	230,000	**0.031 J**	**0.03 J**	**0.082**	**0.036 J**	**0.0041 J**	**0.57**	0.085 U	**0.0086**	**0.025**	**0.0038 J**	0.0074 U	**0.46**	**0.1 J**	**0.0046 J**	**0.0022 J**	**0.24**	**0.0014 J**	**0.016 J**	0.0083 U	**0.018 J**	0.008 U	**0.23**
Benz[a]anthracene	mg/kg	21	**0.077**	**0.078**	**0.21**	**0.089**	**0.028**	**1.9**	**0.039 J**	**0.042**	**0.12**	**0.012**	**0.0017 J**	**1.1**	**0.23 J**	**0.014**	0.0083 U	**1.1**	0.0086 U	**0.038 J**	**0.0023 J**	**0.055 J**	**0.0025 J**	**0.54**
Benzaldehyde	mg/kg	120,000	0.074 R	0.071 R	**0.056 J**	**0.035 J**	0.09 R	**0.08**	0.084 U	0.072 R	0.08 R	0.071 UJ	0.073 UJ	0.073 UJ	0.085 UJ	0.075 R	0.082 R	0.081 R	0.085 R	**0.033 J**	0.082 R	0.073 R	0.08 R	**0.13 J**
Benzo[a]pyrene	mg/kg	2.1	**0.068 J**	**0.061 J**	**0.26**	**0.067 J**	**0.028**	**1.6**	**0.026 J**	**0.04**	**0.084**	**0.01**	**0.00099 J**	**0.85**	**0.22 J**	**0.011**	0.0083 U	**0.94**	0.0086 U	**0.039 J**	0.0083 U	**0.05 J**	**0.0013 J**	**0.57**
Benzo[b]fluoranthene	mg/kg	21	**0.12**	**0.12**	**0.52**	**0.14**	**0.057**	**3.4**	**0.052 J**	**0.086**	**0.16**	**0.021**	**0.0023 J**	**1.7**	**0.41 J**	**0.039**	**0.00084 J**	**1.3**	0.0086 U	**0.19 J**	**0.0027 J**	**0.2 J**	**0.003 J**	**1.2**
Benzo[g,h,i]perylene	mg/kg		**0.041 J**	**0.04 J**	**0.2**	**0.042 J**	**0.021**	**0.79**	**0.02 J**	**0.032**	**0.037**	**0.0044 J**	0.0074 U	**0.54**	**0.13 J**	**0.011**	0.0083 U	**0.35**	0.0086 U	**0.049 J**	0.0083 U	**0.041 J**	0.008 U	**0.68**
Benzo[k]fluoranthene	mg/kg	210	**0.1**	**0.1**	**0.43**	**0.12**	**0.049**	**3.3**	**0.05 J**	**0.082**	**0.15**	**0.018**	**0.0019 J**	**1.4**	**0.34 J**	**0.034**	0.0083 U	**0.47**	0.0086 U	**0.19 J**	**0.0026 J**	**0.18 J**	**0.0029 J**	**0.87**
bis(2-Ethylhexyl)phthalate	mg/kg	160	**0.38 J**	0.019 B	**2.3 J**	**1.2 J**	0.09 U	**0.57**	**0.034 J**	0.072 U	0.08 U	0.028 B	0.073 UJ	0.089 B	0.085 UJ	0.075 U	0.082 U	0.081 UJ	**0.057 J**	**0.15 J**	0.082 U	**0.16 J**	0.08 U	**0.047 J**
Carbazole	mg/kg		0.074 U	**0.018 J**	**0.018 J**	0.071 U	0.09 U	**0.14**	0.084 U	0.072 U	0.08 U	0.071 UJ	0.073 UJ	**0.057 J**	**0.076 J**	0.075 U	0.082 U	**0.08 J**	0.085 U	0.075 U	0.082 U	0.073 U	0.08 U	**0.044 J**
Chrysene	mg/kg	2,100	**0.062 J**	**0.06 J**	**0.27**	**0.075**	**0.026**	**2**	**0.026 J**	**0.048**	**0.11**	**0.01**	**0.0012 J**	**1.1**	**0.24 J**	**0.025**	**0.00083 J**	**0.9**	0.0086 U	**0.13**	**0.0013 J**	**0.17**	**0.0015 J**	**0.42**
Dibenz[a,h]anthracene	mg/kg	2.1	**0.013 J**	**0.011 J**	**0.057 J**	**0.015 J**	**0.0054 J**	**0.23**	0.085 U	**0.0089**	**0.017**	**0.0015 J**	0.0074 U	**0.19**	**0.045 J**	**0.0031 J**	0.0083 U	**0.17**	0.0086 U	0.075 UJ	0.0083 U	0.073 UJ	0.008 U	**0.18**
Diethylphthalate	mg/kg	660,000	0.074 U	0.071 U	0.07 U	0.071 U	0.09 U	0.077 U	0.084 U	0.072 U	0.08 U	0.071 U	0.073 U	0.073 U	0.085 U	0.075 U	0.082 U	0.081 U	0.085 U	0.075 U	0.082 U	0.073 U	0.08 U	0.077 U
Di-n-butylphthalate	mg/kg	82,000	0.074 U	0.071 U	0.07 U	0.071 U	0.09 U	**0.27**	0.084 U	0.072 U	0.08 U	0.071 UJ	0.073 UJ	0.073 UJ	0.085 UJ	0.075 U	0.082 U	0.081 U	0.085 U	0.075 U	0.082 U	0.073 U	0.08 U	0.077 U
Di-n-ocytlphthalate	mg/kg	8,200	0.074 UJ	0.071 UJ	0.07 UJ	**0.18 J**	0.09 U	0.077 U	0.084 U	0.072 U	0.08 U	0.071 UJ	0.073 U	0.073 UJ	0.085 UJ	0.075 U	0.082 U	0.081 UJ	0.085 UJ	0.075 UJ	0.082 U	0.073 UJ	0.08 U	0.077 UJ
Fluoranthene	mg/kg	30,000	**0.15**	**0.13**	**0.45**	**0.16**	**0.042**	**4**	**0.04 J**	**0.074**	**0.2**	**0.021**	**0.0021 J**	**2.5**	**0.59 J**	**0.027**	**0.0032 J**	**2.5**	0.0055 B	**0.091**	**0.0015 J**	**0.15**	**0.0027 J**	**0.77**
Fluorene	mg/kg	30,000	**0.025 J**	**0.027 J**	**0.035 J**	**0.024 J**	0.0091 U	**0.17**	0.085 U	**0.0018 J**	**0.0056 J**	**0.00087 J**	0.0074 U	**0.16**	**0.045 J**	**0.00086 J**	0.0083 U	**0.056**	**0.004 J**	**0.0076 J**	0.0083 U	**0.02 J**	0.008 U	**0.039 J**
Hexachlorobenzene	mg/kg	0.96	0.074 U	0.071 U	0.07 U	0.071 U	0.09 U	0.077 U	0.084 U	0.072 U	0.08 U	0.071 U	0.073 U	0.073 U	0.085 U	0.075 U	0.082 U	0.081 U	0.085 U	0.075 U	0.082 U	0.073 U	0.08 U	0.077 U
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.032 J**	**0.034 J**	**0.16**	**0.032 J**	**0.017**	**0.81**	**0.016 J**	**0.028**	**0.04**	**0.0041 J**	0.0074 U	**0.5**	**0.12 J**	**0.0092**	0.0083 U	**0.38**	0.0086 U	**0.027 J**	0.0083 U	**0.019 J**	0.008 U	**0.52**
Naphthalene	mg/kg	17	**0.17**	**0.14**	**0.16**	**0.17**	0.0044 B	**0.1**	**0.081 J**	**0.0084**	**0.011**	0.0072 U	0.0074 U	**0.13**	**0.023**	0.026 B	0.0083 U	0.051 B	0.0086 U	0.029 B	0.0083 U	**0.093**	0.008 UJ	**0.11**
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.074 U	0.071 U	0.07 U	0.071 U	0.09 U	0.077 U	0.084 U	0.072 U	0.08 U	0.071 U	0.073 U	0.073 U	0.085 U	0.075 U	0.082 U	0.081 U	0.085 U	0.075 U	0.082 U	0.073 U	0.08 U	0.077 U
N-Nitrosodiphenylamine	mg/kg	470	0.074 U	0.071 U	0.07 U	0.071 U	0.09 U	0.077 U	0.084 U	0.072 U	0.08 U	0.071 U	0.073 U	0.073 U	0.085 UJ	0.075 U	0.082 U	0.081 U	0.085 U	0.075 U	0.082 U	0.073 U	0.08 U	0.077 U
Pentachlorophenol	mg/kg	4	0.18 R	0.18 U	0.18 U	0.18 R	0.22 U	0.19 U	0.21 U	0.18 U	0.2 UJ	0.18 R	0.18 UJ	0.18 UJ	0.21 UJ	0.19 U	0.2 U	0.2 U	0.21 U	0.19 UJ	0.21 U	0.18 U	0.2 U	0.19 U
Phenanthrene	mg/kg		**0.15**	**0.12**	**0.31**	**0.17**	**0.02**	**2.2**	**0.022 J**	**0.041**	**0.082**	**0.012**	0.0013 B	**2.2**	**0.46 J**	**0.03**	**0.0046 J**	**0.94**	**0.0093**	**0.073 J**	**0.00094 J**	**0.15**	**0.0014 J**	**0.56**
Phenol	mg/kg	250,000	**0.24 J**	**0.029 J**	**0.028 J**	0.071 R	0.09 U	0.077 U	0.084 U	0.072 U	0.08 UJ	0.071 R	0.073 U	0.073 U	0.085 U	0.075 U	0.082 U	0.081 U	0.085 U	0.075 UJ	0.082 U	0.073 U	0.08 U	0.077 U
Pyrene	mg/kg	23,000	**0.12**	**0.1**	**0.44**	**0.13**	**0.039**	**3.6**	**0.038 J**	**0.065**	**0.18**	**0.018**	**0.0018 J**	**2**	**0.47 J**	**0.024**	**0.0023 J**	**1.5**	**0.0059 J**	**0.089**	**0.0033 J**	**0.14**	**0.002 J**	**0.64**
PCBs																								
Aroclor 1242	mg/kg	0.97	**0.603**	N/A	0.175 U	0.0533 U	N/A	0.59 U	N/A	**0.912**	N/A	0.0529 U	N/A	0.0541 U	N/A	0.0583 U	N/A	0.0626 U	N/A	0.228 U	N/A	0.0518 U	N/A	0.0601 U
Aroclor 1248	mg/kg	0.94	0.0582 U	N/A	**3.68**	**0.464**	N/A	0.59 U	N/A	0.0505 U	N/A	0.0529 U	N/A	0.0541 U	N/A	0.0583 U	N/A	0.0626 U	N/A	0.228 U	N/A	0.0518 U	N/A	0.0601 U
Aroclor 1254	mg/kg	0.97	0.0582 U	N/A	**1.63**	0.0533 U	N/A	**2.17**	N/A	0.0505 U	N/A	0.0529 U	N/A	**0.0624**	N/A	0.0583 U	N/A	0.0626 U	N/A	0.228 U	N/A	0.0518 U	N/A	0.0601 U
Aroclor 1260	mg/kg	0.99	0.0582 U	N/A	0.175 U	0.0533 U	N/A	0.59 U	N/A	0.0505 U	N/A	0.0529 U	N/A	0.0541 U	N/A	0.0583 U	N/A	0.0626 U	N/A	0.228 U	N/A	0.0518 U	N/A	0.0601 U
Aroclor 1262	mg/kg		**0.0967**	N/A	**4.12**	**0.0861**	N/A	0.59 U	N/A	0.0505 U	N/A	0.0529 U	N/A	0.0541 U	N/A	0.0583 U	N/A	**0.0455 J**	N/A	0.228 U	N/A	0.0518 U	N/A	0.0601 U
Aroclor 1268	mg/kg		0.0582 U	N/A	0.175 U	0.0533 U	N/A	**11.2**	N/A	0.0505 U	N/A	**1.03**	N/A	**1.65**	N/A	0.0583 U	N/A	0.0626 U	N/A	**7.32**	N/A	**0.642**	N/A	0.0601 U
PCBs (total)	mg/kg	0.97	**0.6997**	N/A	**9.43**	**0.5501**	N/A	**13.37**	N/A	**0.912**	N/A	**1.03**	N/A	**1.7124**	N/A	0.0583 U	N/A	**0.0455 J**	N/A	**7.32**	N/A	**0.642**	N/A	0.0601 U
TPH																								
Diesel Range Organics	mg/kg	6,200	**142 J**	**22.6 J**	**251 J**	**58 J**	**10.7 J**	**715**	**73.2**	**8.2 J**	**14.4 J**	**9.4 J**	**13.9 J**	**44.4 J**	**16.3 J**	**19.1 J**	8.2 UJ	**130 J**	**311 J**	**176 J**	**4.7 J**	**280 J**	8 UJ	**89.4 J**
Gasoline Range Organics	mg/kg	6,200	11.1 U	11.4 U	10.8 U	9.6 U	11.3 U	14.6 U	10.3 U	18.7 U	10.7 U	14.2 U	**43.2**	11.1 U	11.1 U	11.1 U	10.9 U	10.9 U	10 U	14.4 U	10.4 U	11.4 U	11 U	11.8 U

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-055-SB-8.5	B22-056-SB-1	B22-056-SB-5	B22-057-SB-1	B22-058-SB-1	B22-058-SB-7	B22-059-SB-1*	B22-059-SB-4*	B22-060-SB-1*	B22-060-SB-4*	B22-061-SB-1	B22-061-SB-5	B22-062-SB-1*	B22-062-SB-4*	B22-063-SB-1	B22-063-SB-9	B22-063-SB-10*	B22-064-SB-1	B22-064-SB-7	B22-065-SB-1*	B22-065-SB-7*	B22-066-SB-1
Volatile Organic Compounds																								
1,1,1-Trichloroethane	mg/kg	36,000	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.045 U	0.069 U	0.062 U	0.058 U	0.055 U	0.05 U	0.082 U	0.074 U	0.062 U	0.051 U	0.059 UJ	0.082 UJ	0.049 U	0.062 U	0.039 U	0.057 U	N/A	0.056 U	0.05 U	0.05 U	0.046 U	0.045 U
1,1,2-Trichloroethane	mg/kg	5	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
1,1-Dichloroethane	mg/kg	16	0.0045 U	**0.0085**	0.0062 U	0.0058 U	**0.01**	**0.033**	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
1,1-Dichloroethene	mg/kg	1,000	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
1,2,3-Trichlorobenzene	mg/kg	930	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	**0.0015 J**	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
1,2,4-Trichlorobenzene	mg/kg	110	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
1,2-Dichloroethane	mg/kg	2	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
1,2-Dichloroethene (Total)	mg/kg	2,300	0.0091 U	0.014 U	0.012 U	0.012 U	0.011 U	0.0099 U	0.016 U	0.015 U	0.012 U	0.01 U	0.012 U	0.016 U	0.0098 U	0.012 U	0.0079 U	0.011 U	N/A	0.011 U	0.01 U	0.01 U	0.0092 U	0.0089 U
1,4-Dichlorobenzene	mg/kg	11	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
1,4-Dioxane	mg/kg	24	0.091 R	0.14 R	0.12 R	0.12 R	0.11 R	0.099 R	0.16 U	0.15 U	0.12 U	0.1 U	0.12 R	0.16 R	0.098 U	0.12 U	0.079 R	0.11 R	N/A	0.11 R	0.1 R	0.1 U	0.092 U	0.089 R
2-Butanone (MEK)	mg/kg	190,000	0.0091 U	0.014 U	0.012 U	0.012 U	0.011 U	0.0099 U	0.016 U	0.015 U	0.012 U	0.01 U	0.012 U	0.016 U	0.0098 U	0.012 U	0.0079 U	**0.0064 J**	N/A	0.011 U	0.01 U	0.01 U	0.0092 U	0.0089 U
2-Hexanone	mg/kg	1,300	0.0091 U	0.014 U	0.012 U	0.012 U	0.011 U	0.0099 U	0.016 U	0.015 U	0.012 U	0.01 U	0.012 U	0.016 U	0.0098 U	0.012 U	0.0079 U	0.011 U	N/A	0.011 U	0.01 U	0.01 U	0.0092 U	0.0089 U
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.0091 U	0.014 U	0.012 U	0.012 U	0.011 U	0.0099 U	0.016 U	0.015 U	0.012 U	0.01 U	0.012 U	0.016 U	0.0098 U	0.012 U	0.0079 U	0.011 U	N/A	0.011 U	0.01 U	0.01 U	0.0092 U	0.0089 U
Acetone	mg/kg	670,000	0.0087 B	0.014 U	0.012 U	0.012 U	0.011 U	0.0099 U	0.016 U	0.015 U	0.012 U	0.01 U	0.012 U	0.016 U	0.0098 U	0.012 U	**0.053**	**0.024**	N/A	0.011 U	0.01 U	0.01 U	**0.0056 J**	0.0089 U
Benzene	mg/kg	5.1	0.0045 U	**0.002 J**	**0.0066**	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
Chlorobenzene	mg/kg	1,300	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
Chloroethane	mg/kg	57,000	0.0045 UJ	0.0069 UJ	0.0062 UJ	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 UJ	0.0082 UJ	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
Chloroform	mg/kg	1.4	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
cis-1,2-Dichloroethene	mg/kg	2,300	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
Cyclohexane	mg/kg	27,000	0.0091 U	0.014 U	0.012 U	0.012 U	0.011 U	0.0099 U	0.016 U	0.015 U	0.012 U	0.01 U	0.012 U	0.016 U	0.0098 U	0.012 U	0.0079 U	0.011 U	N/A	0.011 U	0.01 U	0.01 U	0.0092 U	0.0089 U
Ethylbenzene	mg/kg	25	0.0045 U	0.0069 U	**0.0049 J**	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	**0.0047 J**	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
Isopropylbenzene	mg/kg	9,900	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	**0.0066**	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	**0.004 J**	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
Methyl Acetate	mg/kg	1,200,000	0.045 U	0.069 U	0.062 U	0.058 U	0.055 U	0.05 U	0.082 U	0.074 U	0.062 U	0.051 U	0.059 U	0.082 U	0.049 U	0.062 U	0.039 U	0.057 U	N/A	0.056 U	0.05 U	0.05 U	0.046 U	0.045 U
Methylene Chloride	mg/kg	1,000	0.0045 UJ	0.0069 UJ	0.0062 UJ	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 UJ	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
Styrene	mg/kg	35,000	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
Tetrachloroethene	mg/kg	100	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	**0.0087**	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
Toluene	mg/kg	47,000	0.0045 U	0.0069 U	0.0055 B	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	**0.0028 J**	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
trans-1,2-Dichloroethene	mg/kg	23,000	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
Trichloroethene	mg/kg	6	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
Trichlorofluoromethane	mg/kg	3,100	0.0045 UJ	0.0069 UJ	0.0062 UJ	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
Vinyl chloride	mg/kg	1.7	0.0045 U	0.0069 U	0.0062 U	0.0058 U	0.0055 U	0.005 U	0.0082 U	0.0074 U	0.0062 U	0.0051 U	0.0059 U	0.0082 U	0.0049 U	0.0062 U	0.0039 U	0.0057 U	N/A	0.0056 U	0.005 U	0.005 U	0.0046 U	0.0045 U
Xylenes	mg/kg	2,800	**0.0055 J**	0.021 U	**0.0055 J**	0.018 U	0.016 U	0.015 U	0.025 U	0.022 U	**0.023**	0.015 U	0.018 U	0.025 U	0.015 U	0.019 U	**0.0047 J**	0.017 U	N/A	0.017 U	0.015 U	0.015 U	0.014 U	0.013 U
Semi-Volatile Organic Compounds^																								
1,1-Biphenyl	mg/kg	200	0.081 U	**0.017 J**	0.078 U	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	**0.096**	0.071 U	**0.94 J**	0.1 U	0.072 U	0.076 U	0.073 U	0.075 U	N/A	0.081 U	0.082 U	0.085 U	0.083 U	0.071 U
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.081 U	0.08 U	0.078 U	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	0.073 U	0.071 U	0.076 U	0.1 U	0.072 U	0.076 U	0.073 U	0.075 U	N/A	0.081 U	0.082 U	0.085 U	0.083 U	0.071 U
2,4-Dimethylphenol	mg/kg	16,000	0.081 U	0.08 UJ	0.078 U	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	0.073 U	0.071 U	**0.067 J**	0.1 R	0.072 U	0.076 U	0.073 R	0.075 R	N/A	0.081 U	0.082 U	**0.19**	0.083 U	0.071 R
2-Chloronaphthalene	mg/kg	60,000	0.081 U	0.08 U	0.078 U	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	0.073 U	0.071 U	0.076 U	0.1 U	0.072 U	0.076 U	0.073 U	0.075 U	N/A	0.081 U	0.082 U	0.085 U	0.083 U	0.071 U
2-Methylnaphthalene	mg/kg	3,000	**0.0047 J**	**0.13**	0.0078 U	0.0077 UJ	0.0085 U	0.0081 U	0.077 U	**0.032**	**0.41**	**0.046**	**3**	**0.0064 J**	**0.092**	**0.065 J**	0.073 U	**0.0042 J**	N/A	0.0083 U	0.0083 U	**0.014**	0.0083 U	**0.0039 J**
2-Methylphenol	mg/kg	41,000	0.081 U	0.08 UJ	0.078 U	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	0.073 U	0.071 U	**0.02 J**	0.1 R	0.072 U	0.076 U	0.073 R	0.075 R	N/A	0.081 U	0.082 U	0.085 U	0.083 U	0.071 R
2-Nitroaniline	mg/kg	8,000	0.2 U	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U	0.19 U	0.19 U	0.18 U	0.18 U	0.19 U	0.25 U	0.18 U	0.19 U	0.18 U	0.19 U	N/A	0.2 U	0.21 U	0.21 U	0.21 U	0.18 U
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.16 U	0.16 UJ	0.16 U	0.15 U	0.17 U	0.16 U	0.15 U	0.15 U	0.15 U	0.14 U	**0.16**	0.2 R	0.14 U	0.15 U	0.15 R	0.15 R	N/A	0.16 U	0.16 U	0.17 U	0.16 U	0.14 R
4-Nitroaniline	mg/kg	110	0.2 UJ	0.2 U	0.2 UJ	0.19 UJ	0.21 UJ	0.21 UJ	0.19 U	0.19 U	0.18 U	0.18 U	0.19 U	0.25 U	0.18 U	0.19 U	0.18 UJ	0.19 UJ	N/A	0.2 UJ	0.21 UJ	0.21 U	0.21 U	0.18 UJ
Acenaphthene	mg/kg	45,000	**0.05**	**0.011 J**	**0.00066 J**	0.0077 U	0.0085 U	0.0081 U	**0.0057 J**	**0.018**	**0.08**	**0.012**	**7.3**	**0.00094 J**	**0.01 J**	**0.03 J**	0.073 U	**0.0019 J**	N/A	0.0083 U	**0.00065 J**	**0.058**	0.0083 U	0.0072 U
Acenaphthylene	mg/kg	45,000	**0.0022 J**	**0.035 J**	0.0078 U	0.0077 U	0.0085 U	0.0081 U	**0.015 J**	**0.023**	**0.037**	**0.034**	**8.3**	**0.0047 J**	**0.026 J**	**0.023 J**	0.073 U	**0.0027 J**	N/A	0.0083 U	0.0083 U	0.0084 U	0.0083 U	**0.0011 J**
Acetophenone	mg/kg	120,000	0.081 U	0.08 U	0.078 U	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	0.073 U	0.071 U	**0.073 J**	0.1 U	0.072 U	0.076 U	0.073 U	0.075 U	N/A	0.081 U	0.082 U	0.085 U	0.083 U	0.071 U
Anthracene	mg/kg	230,000	**0.04**	**0.063 J**	0.0078 U	**0.002 J**	0.0085 U	**0.00072 J**	**0.038 J**	**0.077**	**0.096**	**0.057**	**29**	0.01 U	**0.041 J**	**0.19**	**0.011 J**	**0.0025 J**	N/A	0.0083 U	**0.015**	**0.035**	0.0083 U	**0.002 J**
Benz[a]anthracene	mg/kg	21	**0.012**	**0.19**	0.0078 U	0.0077 U	0.0085 U	0.0081 U	**0.12**	**0.4**	**0.39**	**0.26**	**82.3**	**0.012**	**0.29**	**1.2**	**0.048 J**	0.0074 U	N/A	0.0083 U	**0.048**	**0.054**	0.0083 U	**0.0097**
Benzaldehyde	mg/kg	120,000	0.081 R	**0.08 J**	0.078 R	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	0.073 U	0.071 U	**0.053 J**	0.1 UJ	0.072 U	0.076 U	**0.02 J**	0.075 R	N/A	0.081 U	0.082 U	**0.037 J**	0.083 U	0.071 R
Benzo[a]pyrene	mg/kg	2.1	**0.01**	**0.23**	0.0078 U	0.0077 U	0.0085 U	0.0081 U	**0.14**	**0.42**	**0.24**	**0.23**	**72**	**0.009 J**	**0.28**	**1.1**	**0.04 J**	**0.088 J**	N/A	0.0083 U	**0.03**	**0.044**	0.0083 U	**0.01**
Benzo[b]fluoranthene	mg/kg	21	**0.02**	**0.54**	**0.0024 J**	**0.0016 J**	0.0085 U	0.0081 U	**0.32**	**0.76**	**0.72**	**0.59**	**106**	**0.029**	**0.58**	**2.5**	**0.1**	**0.16 J**	N/A	0.0083 U	**0.069**	**0.096**	**0.001 J**	**0.029**
Benzo[g,h,i]perylene	mg/kg		**0.0048 J**	**0.18**	**0.00097 J**	0.0077 U	0.0085 U	0.0081 U	**0.078**	**0.25**	**0.11**	**0.088**	**23.9**	**0.004 J**	**0.21**	**0.49**	**0.028 J**	**0.0046 J**	N/A	0.0083 U	**0.022**	**0.017**	0.0083 U	**0.005 J**
Benzo[k]fluoranthene	mg/kg	210	**0.018**	**0.47**	**0.0021 J**	0.0077 U	0.0085 U	0.0081 U	**0.28**	**0.74**	**0.62**	**0.51**	**46**	**0.024**	**0.56**	**2.4**	**0.089**	**0.14 J**	N/A	0.0083 U	**0.061**	**0.083**	0.0083 U	**0.026**
bis(2-Ethylhexyl)phthalate	mg/kg	160	0.081 U	**0.39 J**	0.078 U	0.076 U	0.085 U	0.083 U	0.076 U	**0.016 J**	0.073 U	**0.014 J**	0.13 B	0.1 UJ	**0.044 J**	**0.016 J**	0.03 B	0.075 UJ	N/A	0.081 U	0.082 U	0.085 U	0.083 U	0.071 U
Carbazole	mg/kg		0.081 U	**0.024 J**	0.078 U	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	**0.035 J**	0.071 U	**10.3 J**	**0.048 J**	0.072 U	**0.074 J**	0.073 U	0.075 U	N/A	0.081 U	0.082 U	0.085 U	0.083 U	0.071 U
Chrysene	mg/kg	2,100	**0.01**	**0.28**	**0.0015 J**	**0.001 J**	0.0085 U	0.0081 U	**0.13**	**0.48**	**0.36**	**0.24**	**76.2**	**0.025**	**0.3**	**1.2**	**0.069 J**	**0.14**	N/A	0.0083 U	**0.044**	**0.049**	**0.00084 J**	**0.018**
Dibenz[a,h]anthracene	mg/kg	2.1	**0.0013 J**	**0.057 J**	0.0078 U	0.0077 U	0.0085 U	0.0081 U	**0.024 J**	**0.061**	**0.045**	**0.031**	**9.6**	**0.0016 J**	**0.054 J**	**0.15**	**0.01 J**	0.0074 UJ	N/A	0.0083 U	**0.0064 J**	**0.0063 J**	0.0083 U	**0.0017 J**
Diethylphthalate	mg/kg	660,000	0.081 U	0.08 U	0.078 U	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	0.073 U	0.071 U	0.076 U	0.1 U	0.072 U	0.076 U	0.073 U	0.075 U	N/A	0.081 U	0.082 U	0.085 U	0.083 U	0.071 U
Di-n-butylphthalate	mg/kg	82,000	0.081 U	0.08 U	0.078 U	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	0.073 U	0.071 U	0.076 UJ	0.1 UJ	0.072 U	0.076 U	**0.11**	0.075 U	N/A	0.081 U	0.082 U	0.085 U	0.083 U	0.071 U
Di-n-octylphthalate	mg/kg	8,200	0.081 U	**0.06 J**	0.078 UJ	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	0.073 U	0.071 U	0.076 UJ	0.1 U	0.072 U	0.076 U	0.073 UJ	0.075 UJ	N/A	0.081 U	0.082 U	0.085 U	0.083 U	0.071 UJ
Fluoranthene	mg/kg	30,000	**0.053**	**0.35**	**0.0027 J**	**0.0016 J**	**0.0011 J**	**0.00087 J**	**0.16**	**0.66**	**1.1**	**0.46**	**112**	**0.8**	**0.44**	**2**	**0.096**	**0.023**	N/A	**0.00056 J**	**0.11**	**0.11**	**0.0024 J**	**0.021**
Fluorene	mg/kg	30,000	**0.045**	**0.012 J**	0.0078 U	0.0077 U	0.0085 U	0.0081 U	0.077 U	**0.013**	**0.043**	**0.0083**	**6.8**	**0.0013 J**	**0.008 J**	**0.018 J**	0.073 U	**0.0012 J**	N/A	0.0083 U	0.0083 U	**0.042**	0.0083 U	0.0072 U
Hexachlorobenzene	mg/kg	0.96	0.081 U	0.08 U	0.078 U	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	0.073 U	0.071 U	0.076 U	0.1 U	0.072 U	0.076 U	0.073 U	0.075 U	N/A	0.081 U	0.082 U	0.085 U	0.083 U	0.071 U
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.0041 J**	**0.15**	0.0078 U	0.0077 U	0.0085 U	0.0081 U	**0.074 J**	**0.23**	**0.11**	**0.097**	**26**	**0.0037 J**	**0.19**	**0.52**	**0.024 J**	**0.0033 J**	N/A	0.0083 U	**0.019**	**0.018**	0.0083 U	**0.005 J**
Naphthalene	mg/kg	17	**0.02 J**	**0.1**	0.0024 B	0.0077 UJ	0.0085 U	0.0036 B	**0.028 J**	**0.029**	**0.076**	**0.022**	**3.2**	**0.012**	**0.12**	**0.11**	0.073 U	**0.016**	N/A	0.0083 U	0.0083 U	**0.025**	0.0083 U	0.004 B
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.081 U	0.08 U	0.078 U	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	0.073 U	0.071 U	0.076 U	0.1 U	0.072 U	0.076 U	0.073 U	0.075 U	N/A	0.081 U	0.082 U	0.085 U	0.083 U	0.071 U
N-Nitrosodiphenylamine	mg/kg	470	0.081 U	0.08 U	0.078 U	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	0.073 U	0.071 U	0.076 U	0.1 U	0.072 U	0.076 U	0.073 U	0.075 U	N/A	0.081 U	0.082 U	0.085 U	0.083 U	0.071 U
Pentachlorophenol	mg/kg	4	0.2 U	0.2 UJ	0.2 U	0.19 U	0.21 U	0.21 UJ	0.19 U	0.19 U	0.18 U	0.18 U	0.19 UJ	0.25 R	0.18 U	0.19 U	0.18 R	0.19 R	N/A	0.2 U	0.21 U	0.21 U	0.21 U	0.18 R
Phenanthrene	mg/kg		**0.15 J**	**0.25**	**0.0041 J**	**0.021**	**0.002 J**	**0.0021 J**	**0.11**	**0.47**	**1.3**	**0.31**	**108**	**0.58**	**0.17**	**0.67**	**0.056 J**	**0.028**	N/A	**0.0012 J**	**0.072**	**0.099**	**0.0014 J**	**0.017**
Phenol	mg/kg	250,000	0.081 U	0.08 UJ	0.078 U	0.076 U	0.085 U	0.083 U	0.076 U	0.077 U	0.073 U	0.071 U	**0.31 J**	0.1 R	0.072 U	0.076 U	0.073 R	0.075 R	N/A	0.081 U	0.082 U	0.085 U	0.083 U	0.071 R
Pyrene	mg/kg	23,000	**0.042**	**0.29**	**0.0016 J**	**0.0012 J**	0.0085 U	0.0081 U	**0.16**	**0.71**	**0.89**	**0.37**	**96.8**	**0.35**	**0.4**	**2**	**0.086**	**0.03**	N/A	0.0083 U	**0.079**	**0.097**	**0.0013 J**	**0.017**
PCBs																								
Aroclor 1242	mg/kg	0.97	N/A	0.0611 U	N/A	0.0566 U	**0.044 J**	N/A	0.0547 U	N/A	0.0958 U	N/A	0.0541 U	N/A	0.0522 U	N/A	0.328 U	N/A	N/A	0.0634 U	N/A	1.94 U	N/A	0.0555 U
Aroclor 1248	mg/kg	0.94	N/A	0.0611 U	N/A	0.0566 U	0.0605 U	N/A	0.0547 U	N/A	**0.0901 J**	N/A	0.0541 U	N/A	0.0522 U	N/A	0.328 U	N/A	N/A	0.0634 U	N/A	**50.9**	N/A	0.0555 U
Aroclor 1254	mg/kg	0.97	N/A	0.0611 U	N/A	0.0566 U	0.0605 U	N/A	0.0547 U	N/A	0.0958 U	N/A	**0.139**	N/A	**0.0287 J**	N/A	**0.379**	N/A	N/A	0.0634 U	N/A	1.94 U	N/A	0.0555 U
Aroclor 1260	mg/kg	0.99	N/A	0.0611 U	N/A	0.0566 U	0.0605 U	N/A	0.0547 U	N/A	0.0958 U	N/A	0.0541 U	N/A	0.0522 U	N/A	0.328 U	N/A	N/A	0.0634 U	N/A	1.94 U	N/A	0.0555 U
Aroclor 1262	mg/kg		N/A	**0.0429 J**	N/A	0.0566 U	0.0605 U	N/A	0.0547 U	N/A	0.0958 U	N/A	**0.209**	N/A	**0.0499 J**	N/A	0.328 U	N/A	N/A	0.0634 U	N/A	**10.1**	N/A	0.0555 U
Aroclor 1268	mg/kg		N/A	0.0611 U	N/A	0.0566 U	0.0605 U	N/A	**0.0844**	N/A	0.0958 U	N/A	0.0541 U	N/A	0.0522 U	N/A	**10.5**	N/A	N/A	0.0634 U	N/A	1.94 U	N/A	**0.877**
PCBs (total)	mg/kg	0.97	N/A	**0.0429 J**	N/A	0.0566 U	**0.044 J**	N/A	**0.0844**	N/A	**0.0901 J**	N/A	**0.348**	N/A	**0.0786**	N/A	**10.879**	N/A	N/A	0.0634 U	N/A	**61**	N/A	**0.877**
TPH																								
Diesel Range Organics	mg/kg	6,200	**15.9 J**	**110 J**	**9.7 J**	**8.4 J**	**21.7 J**	**30.2 J**	**40.7**	**84.5**	**149**	**38.6**	**1,480 J**	**39.8 J**	**50.9**	**47.5**	**48.5 J**	**1,030 J**	**506**	**29.8 J**	**76.1 J**	**154**	**6.9 J**	**25.4 J**
Gasoline Range Organics	mg/kg	6,200	9.7 U	15.4 U	13.1 U	11.8 U	10.7 U	9.7 U	17 U	18 U	**37**	9.9 U	12.7 U	18.2 U	9.7 U	12.7 U	8.5 U	12.5 U	N/A	10.6 U	10 U	10.7 U	10 U	9.3 U

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-066-SB-9	B22-067-SB-1*	B22-067-SB-7*	B22-068-SB-1*	B22-068-SB-6*	B22-069-SB-1*	B22-069-SB-4*	B22-070-SB-1*	B22-070-SB-9*	B22-071-SB-1*	B22-071-SB-4*	B22-072-SB-1	B22-073-SB-1	B22-073-SB-5	B22-074-SB-1	B22-075-SB-1*	B22-075-SB-4*	B22-076-SB-1*	B22-077-SB-1	B22-077-SB-5	B22-078-SB-1
Volatile Organic Compounds																							
1,1,1-Trichloroethane	mg/kg	36,000	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	**0.045**	0.003 U	0.0037 U	**0.0082**	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.066 U	0.071 U	0.045 U	0.051 U	0.056 U	2.7 U	0.052 U	2.9 U	0.051 U	0.03 U	0.037 U	0.07 UJ	0.081 U	0.05 U	0.054 U	0.058 U	0.054 U	0.059 U	0.047 UJ	0.061 U	0.051 U
1,1,2-Trichloroethane	mg/kg	5	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	**0.0023 J**	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
1,1-Dichloroethane	mg/kg	16	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	44.7	**1.4**	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
1,1-Dichloroethene	mg/kg	1,000	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	**0.22**	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
1,2,3-Trichlorobenzene	mg/kg	930	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	0.0051 U	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
1,2,4-Trichlorobenzene	mg/kg	110	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	0.0051 U	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
1,2-Dichloroethane	mg/kg	2	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	**0.01**	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
1,2-Dichloroethene (Total)	mg/kg	2,300	0.013 U	0.014 U	0.0091 U	0.01 U	0.011 U	0.53 U	0.01 U	**0.29 J**	**0.025**	0.006 U	0.0075 U	0.014 U	0.016 U	0.01 U	0.011 U	0.012 U	0.011 U	0.012 U	0.0094 U	0.012 U	0.01 U
1,4-Dichlorobenzene	mg/kg	11	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	0.0051 U	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
1,4-Dioxane	mg/kg	24	0.13 R	0.14 U	0.091 U	0.1 U	0.11 U	5.3 U	0.1 U	5.9 U	**1.4**	0.06 U	0.075 U	0.14 R	0.16 R	0.1 R	0.11 R	0.12 U	0.11 U	0.12 U	0.094 R	0.12 R	0.1 R
2-Butanone (MEK)	mg/kg	190,000	0.013 U	0.014 U	**0.0038 J**	0.01 U	0.011 U	0.53 U	0.01 U	**0.18 J**	0.01 U	0.006 U	0.0075 U	0.014 U	0.016 U	0.01 U	0.011 U	0.012 U	0.011 U	0.012 U	0.0094 U	0.012 U	**0.003 J**
2-Hexanone	mg/kg	1,300	0.013 U	0.014 U	0.0091 U	0.01 U	0.011 U	0.53 U	0.01 U	0.59 U	0.01 U	0.006 U	0.0075 U	0.014 U	0.016 U	0.01 U	0.011 U	0.012 U	0.011 U	0.012 U	0.0094 U	0.012 U	0.01 U
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.013 U	0.014 U	0.0091 U	0.01 U	0.011 U	0.53 U	0.01 U	0.59 U	0.01 U	0.006 U	0.0075 U	0.014 UJ	0.016 UJ	0.01 UJ	0.011 U	0.012 U	0.011 U	0.012 U	0.0094 U	0.012 U	0.01 UJ
Acetone	mg/kg	670,000	0.013 U	0.014 U	**0.018**	0.01 U	0.011 U	0.53 U	0.01 U	0.59 U	0.01 U	**0.0037 J**	**0.0054 J**	**0.011 J**	0.016 U	0.01 U	0.011 U	0.012 U	0.011 U	0.012 U	**0.021**	0.012 U	**0.051**
Benzene	mg/kg	5.1	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	0.0051 U	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
Chlorobenzene	mg/kg	1,300	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	0.0051 U	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
Chloroethane	mg/kg	57,000	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	**0.78**	**0.019**	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 UJ	0.0061 UJ	0.0051 U
Chloroform	mg/kg	1.4	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	0.0051 U	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
cis-1,2-Dichloroethene	mg/kg	2,300	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	**0.28 J**	**0.025**	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
Cyclohexane	mg/kg	27,000	0.013 U	0.014 U	0.0091 U	0.01 U	0.011 U	0.53 U	0.01 U	0.59 U	0.01 U	0.006 U	0.0075 U	0.014 U	0.016 U	0.01 U	0.011 U	0.012 U	0.011 U	0.012 U	0.0094 U	0.012 U	0.01 U
Ethylbenzene	mg/kg	25	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	0.0051 U	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
Isopropylbenzene	mg/kg	9,900	0.0066 U	0.0071 U	**0.005**	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	0.0051 U	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
Methyl Acetate	mg/kg	1,200,000	0.066 U	0.071 U	0.045 U	0.051 U	0.056 U	**0.12 J**	0.052 U	2.9 U	0.051 U	0.03 U	0.037 U	0.07 UJ	0.081 U	0.05 U	0.054 U	0.058 U	0.054 U	0.059 U	0.047 U	0.061 U	0.051 U
Methylene Chloride	mg/kg	1,000	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	0.0051 U	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 UJ	0.0051 U
Styrene	mg/kg	35,000	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	0.0051 U	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
Tetrachloroethene	mg/kg	100	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	0.0051 U	0.003 U	0.0037 U	**0.0074**	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
Toluene	mg/kg	47,000	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	**0.11 J**	**0.0017 J**	0.003 U	0.0037 U	0.007 U	**0.0051 J**	0.005 U	0.0024 B	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
trans-1,2-Dichloroethene	mg/kg	23,000	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	0.0051 U	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
Trichloroethene	mg/kg	6	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	**2**	**0.088**	0.003 U	0.0037 U	**0.0041 J**	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
Trichlorofluoromethane	mg/kg	3,100	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	0.29 U	0.0051 U	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 UJ	0.0051 U
Vinyl chloride	mg/kg	1.7	0.0066 U	0.0071 U	0.0045 U	0.0051 U	0.0056 U	0.27 U	0.0052 U	**1.6**	**0.058**	0.003 U	0.0037 U	0.007 U	0.0081 U	0.005 U	0.0054 U	0.0058 U	0.0054 U	0.0059 U	0.0047 U	0.0061 U	0.0051 U
Xylenes	mg/kg	2,800	0.02 U	0.021 U	0.014 U	0.015 U	0.017 U	0.8 U	0.016 U	**0.27 J**	0.015 U	0.009 U	0.011 U	0.021 U	**0.0079 J**	0.015 U	**0.0045 J**	0.018 U	0.016 U	0.018 U	0.014 U	0.018 U	0.015 U
Semi-Volatile Organic Compounds^																							
1,1-Biphenyl	mg/kg	200	0.074 U	0.069 U	**0.059 J**	0.085 U	0.081 U	0.072 U	0.083 U	**0.18 J**	0.083 U	**0.049 J**	**0.017 J**	**0.19 J**	**0.34**	0.085 U	**0.045 J**	0.07 U	0.083 U	0.075 U	**0.032 J**	0.074 U	**0.066 J**
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.074 U	0.069 U	0.075 U	0.085 U	0.081 U	0.072 U	0.083 U	0.38 U	0.083 U	0.075 U	0.076 U	0.079 U	0.08 U	0.085 U	0.073 U	0.07 U	0.083 U	0.075 U	0.076 U	0.074 U	0.075 U
2,4-Dimethylphenol	mg/kg	16,000	0.074 UJ	0.069 U	**0.37**	0.085 U	0.081 U	0.072 U	0.083 U	0.38 U	0.083 U	0.075 U	0.076 U	**0.035 J**	**0.036 J**	0.085 U	0.073 U	0.07 U	0.083 U	0.075 U	0.076 R	0.074 U	0.075 R
2-Chloronaphthalene	mg/kg	60,000	0.074 U	0.069 U	0.075 U	0.085 U	0.081 U	0.072 U	0.083 U	0.38 U	0.083 U	0.075 U	0.076 U	0.079 U	0.08 U	0.085 U	0.073 U	0.07 U	0.083 U	0.075 U	0.076 U	0.074 U	0.075 U
2-Methylnaphthalene	mg/kg	3,000	0.0075 U	0.0067 U	**0.057**	**0.016**	0.0082 U	**0.026 J**	0.0084 U	**4.2**	**0.0025 J**	**0.42**	**0.13**	**0.55**	**1.4**	**0.075**	**0.32**	**0.013**	0.0085 U	**0.0063 J**	**0.12**	**0.0091**	**0.12**
2-Methylphenol	mg/kg	41,000	0.074 UJ	0.069 U	0.075 U	0.085 U	0.081 U	0.072 U	0.083 U	0.38 U	0.083 U	0.075 U	0.076 U	**0.023 J**	0.08 U	0.085 U	0.073 U	0.07 U	0.083 U	0.075 U	0.076 R	0.074 U	0.075 R
2-Nitroaniline	mg/kg	8,000	0.19 U	0.17 U	0.19 U	0.21 U	0.2 U	0.18 U	0.21 U	0.96 U	0.21 U	0.19 U	0.19 U	0.2 U	0.2 U	0.21 U	0.18 U	0.18 U	0.21 U	0.19 U	0.19 U	0.18 U	0.19 U
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.15 UJ	0.14 U	0.15 U	0.17 U	0.16 U	0.14 U	0.17 U	0.77 U	0.17 U	0.15 U	0.15 U	**0.12 J**	**0.023 J**	0.17 U	0.15 U	0.14 U	0.17 U	0.15 U	0.15 R	0.15 U	0.15 R
4-Nitroaniline	mg/kg	110	0.19 UJ	0.17 U	0.19 U	0.21 U	0.2 U	0.18 U	0.21 U	0.96 U	0.21 U	0.19 U	0.19 U	0.2 UJ	0.2 U	0.21 U	0.18 UJ	0.18 U	0.21 U	0.19 U	0.19 UJ	0.18 UJ	0.19 U
Acenaphthene	mg/kg	45,000	0.0075 U	**0.00049 J**	**0.036**	**0.00098 J**	0.0082 U	0.073 U	0.0084 U	**0.17**	0.0084 U	**0.046 J**	**0.035**	**0.45**	**1.1**	**0.014**	**0.014 J**	**0.017**	0.0085 U	**0.0033 J**	**0.012**	**0.0012 J**	**0.02**
Acenaphthylene	mg/kg	45,000	**0.0015 J**	**0.00095 J**	**0.026**	**0.0017 J**	0.0082 U	0.073 U	0.0084 U	**0.21**	0.0084 U	**0.093**	**0.034**	**2**	**0.11 J**	**0.0077 J**	**0.014 J**	**0.0015 J**	0.0085 U	**0.0014 J**	**0.04**	**0.0054 J**	**0.072**
Acetophenone	mg/kg	120,000	0.074 U	0.069 U	**0.88**	0.085 U	0.081 U	0.072 U	0.083 U	0.38 U	0.083 U	**0.022 J**	0.076 U	0.079 U	**0.14**	0.085 U	**0.033 J**	0.07 U	0.083 U	0.075 U	0.076 U	0.074 U	**0.021 J**
Anthracene	mg/kg	230,000	**0.00087 J**	0.0012 B	**0.022**	**0.0071 J**	0.0082 U	**0.0063 J**	0.0084 U	**0.097**	0.0084 U	**0.2**	**0.23**	**2.6**	**2.5**	**0.037**	**0.07 J**	**0.012**	0.0085 U	**0.0049 J**	**0.1**	**0.0081**	**0.12**
Benz[a]anthracene	mg/kg	21	0.0075 U	0.0052 B	**0.019**	**0.016**	**0.0023 J**	0.073 U	0.0084 U	0.076 U	0.0084 U	**0.9**	**0.88**	**9.5**	**6**	**0.2**	**0.14**	**0.034**	0.0085 U	**0.091**	**0.3**	**0.027**	**0.48**
Benzaldehyde	mg/kg	120,000	0.074 R	0.069 U	0.075 U	0.085 U	0.081 U	0.072 U	0.083 U	0.38 U	0.083 U	**0.042 J**	0.076 U	0.079 R	**0.22 J**	0.085 R	**0.087 J**	0.07 U	0.083 U	0.075 U	**0.02 J**	0.074 R	**0.055 J**
Benzo[a]pyrene	mg/kg	2.1	**0.028**	**0.0054 J**	**0.011**	**0.012**	**0.0013 J**	0.073 U	0.0084 U	0.076 U	0.0084 U	**0.94**	**1.4**	**13.7**	**5.1**	**0.18**	**0.13**	**0.014**	0.0085 U	**0.076**	**0.27**	**0.027**	**0.37**
Benzo[b]fluoranthene	mg/kg	21	**0.015**	**0.016**	0.0077 U	**0.03**	**0.0015 J**	**0.033 J**	0.0084 U	**0.56**	0.0084 U	**2.2**	**1.9**	**25.3**	**9.8**	**0.34**	**0.26**	**0.06**	0.001 B	**0.21**	**0.67**	**0.06**	**0.95**
Benzo[g,h,i]perylene	mg/kg		**0.002 J**	**0.003 J**	**0.012**	**0.0058 J**	0.0082 U	0.073 U	0.0084 U	0.076 U	0.0084 U	**0.23**	**0.65**	**4.4**	**3.5**	**0.11**	**0.11**	**0.0076**	0.0085 U	**0.028**	**0.24**	**0.022**	**0.29**
Benzo[k]fluoranthene	mg/kg	210	**0.014**	**0.015**	0.0077 U	**0.026**	0.0082 U	**0.014 J**	0.0084 U	**0.5**	0.0084 U	**2.1**	**1.6**	**21.3**	**9.6**	**0.33**	**0.22**	**0.053**	0.0085 U	**0.18**	**0.59**	**0.052**	**0.91**
bis(2-Ethylhexyl)phthalate	mg/kg	160	0.074 U	0.069 U	0.075 U	0.085 U	**0.023 J**	0.072 U	0.083 U	0.077 U	0.083 U	0.075 U	0.076 U	0.023 B	**0.045 J**	0.085 U	0.017 B	0.07 U	0.083 U	0.075 U	0.076 U	0.074 U	**0.02 J**
Carbazole	mg/kg		0.074 U	0.069 U	0.075 U	0.085 U	0.081 U	0.072 U	0.083 U	0.077 U	0.083 U	**0.26**	**0.12**	**1.4 J**	**3**	0.085 U	**0.024 J**	0.07 U	0.083 U	0.075 U	**0.03 J**	0.074 U	**0.1**
Chrysene	mg/kg	2,100	**0.032**	0.0084 B	**0.12**	**0.012**	**0.0014 J**	0.073 U	0.0084 U	**0.73**	0.0084 U	**0.93**	**0.92**	**9.7**	**6.7**	**0.21**	**0.12**	**0.032**	**0.00081 J**	**0.092**	**0.34**	**0.026**	**0.6**
Dibenz[a,h]anthracene	mg/kg	2.1	0.0075 U	0.0067 U	**0.0043 J**	**0.0015 J**	0.0082 U	0.073 U	0.0084 U	0.076 U	0.0084 U	**0.091**	**0.29**	**2**	**0.99**	**0.033**	**0.033 J**	**0.0026 J**	0.0085 U	**0.013**	**0.068**	**0.0062 J**	**0.085**
Diethylphthalate	mg/kg	660,000	0.074 U	0.069 U	0.075 U	0.085 U	0.081 U	0.072 U	0.083 U	0.38 U	0.083 U	0.075 U	0.076 U	0.079 U	0.08 U	0.085 U	0.073 U	0.07 U	0.083 U	0.075 U	0.076 U	0.074 U	0.075 U
Di-n-butylphthalate	mg/kg	82,000	0.074 U	0.069 U	0.075 U	0.085 U	0.081 U	0.048 B	0.083 U	0.041 B	0.083 U	0.075 U	0.076 U	0.079 U	0.08 U	0.085 U	0.073 U	0.07 U	0.083 U	0.075 U	0.076 U	0.074 U	0.075 U
Di-n-ocytlphthalate	mg/kg	8,200	0.074 UJ	0.069 U	0.075 U	0.085 U	0.081 U	0.072 U	0.083 U	0.077 U	0.083 U	0.075 U	0.076 U	0.079 UJ	0.08 U	0.085 U	0.073 UJ	0.07 U	0.083 U	0.075 U	0.076 U	0.074 UJ	0.075 U
Fluoranthene	mg/kg	30,000	**0.0031 J**	0.0095 B	**0.054**	**0.028**	**0.0023 J**	0.073 U	0.0084 U	**0.24**	**0.00053 J**	**1.5**	**1.4**	**14.9**	**16.7**	**0.44**	**0.26**	**0.11**	0.0015 B	**0.064**	**0.8**	**0.041**	**1.4**
Fluorene	mg/kg	30,000	0.0075 U	**0.00073 J**	**0.041**	**0.0015 J**	0.0082 U	0.073 U	0.0084 U	**0.36**	0.0084 U	**0.043 J**	**0.022**	**0.63**	**0.86**	**0.0088**	**0.011 J**	**0.0036 J**	0.0085 U	**0.00073 J**	**0.019**	**0.0014 J**	**0.023**
Hexachlorobenzene	mg/kg	0.96	0.074 U	0.069 U	0.075 U	0.085 U	0.081 U	0.072 U	0.083 U	0.077 U	0.083 U	0.075 U	0.076 U	0.079 U	0.08 U	0.085 U	0.073 U	0.07 U	0.083 U	0.075 U	0.076 U	0.074 U	0.075 U
Indeno[1,2,3-c,d]pyrene	mg/kg	21	0.0075 U	**0.0027 J**	**0.0092**	**0.0058 J**	0.0082 U	0.073 U	0.0084 U	0.076 U	0.0084 U	**0.27**	**0.76**	**5**	**3.1**	**0.1**	**0.084**	**0.0068 J**	0.0085 U	**0.028**	**0.21**	**0.019**	**0.28**
Naphthalene	mg/kg	17	0.0075 U	**0.0019 J**	**0.31**	**0.017**	0.0082 U	0.073 U	**0.0034 J**	**1.4**	**0.0032 J**	**0.65**	**0.14**	**1.4**	**1.1**	**0.055**	**0.22**	0.0075 B	0.0085 U	0.017 B	**0.4**	**0.018**	**0.42**
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.074 U	0.069 U	0.075 U	0.085 U	0.081 U	0.072 U	0.083 U	0.38 U	0.083 U	0.075 U	0.076 U	0.079 U	0.08 U	0.085 U	0.073 U	0.07 U	0.083 U	0.075 U	0.076 U	0.074 U	0.075 U
N-Nitrosodiphenylamine	mg/kg	470	0.074 U	0.069 U	0.075 U	0.085 U	0.081 U	0.072 U	0.083 U	0.077 U	0.083 U	0.075 U	0.076 U	0.079 U	**0.44**	0.085 U	0.073 U	0.07 U	0.083 U	0.075 U	0.076 U	0.074 U	0.075 U
Pentachlorophenol	mg/kg	4	0.19 UJ	0.17 U	0.19 U	0.21 U	0.2 U	0.18 U	0.21 U	0.19 U	0.21 U	0.19 U	0.19 U	0.2 U	0.2 U	0.21 U	0.18 U	0.18 U	0.21 U	0.19 U	0.19 R	0.18 U	0.19 R
Phenanthrene	mg/kg		**0.0027 J**	0.0046 B	**0.047**	**0.02**	**0.0016 J**	**0.015 J**	0.0084 U	**0.39**	**0.00066 J**	**0.79**	**0.9**	**8.1**	**12.5**	**0.22**	**0.32**	**0.1**	0.001 B	**0.023**	**0.59**	**0.025**	**0.98**
Phenol	mg/kg	250,000	0.074 UJ	0.069 U	**0.21**	0.085 U	0.081 U	0.072 U	0.083 U	0.38 U	0.083 U	0.075 U	0.076 U	**0.14 J**	0.08 U	0.085 U	0.073 U	0.07 U	0.083 U	0.075 U	0.076 R	0.074 U	0.075 R
Pyrene	mg/kg	23,000	**0.0051 J**	0.0081 B	**0.067**	**0.023**	**0.002 J**	0.073 U	0.0084 U	**0.35**	0.0084 U	**1.3**	**1.5**	**11.1**	**13.3**	**0.42**	**0.24**	**0.081**	0.00095 B	**0.046**	**0.61**	**0.036**	**1.1**
PCBs																							
Aroclor 1242	mg/kg	0.97	N/A	0.054 U	N/A	0.0655 U	N/A	0.0554 U	N/A	0.116 U	N/A	0.0552 U	N/A	0.0585 U	0.0577 U	N/A	0.0546 U	0.0553 U	N/A	0.0577 U	0.0653 U	N/A	**0.159**
Aroclor 1248	mg/kg	0.94	N/A	**0.0464 J**	N/A	0.0655 U	N/A	**0.0382 J**	N/A	0.116 U	N/A	0.0552 U	N/A	0.0585 U	0.0577 U	N/A	0.0546 U	0.0553 U	N/A	0.0577 U	0.0653 U	N/A	0.0558 U
Aroclor 1254	mg/kg	0.97	N/A	**0.0476 J**	N/A	**0.627**	N/A	0.0554 U	N/A	3.65	N/A	0.0552 U	N/A	0.0585 U	0.0577 U	N/A	0.0546 U	0.0553 U	N/A	0.0577 U	**0.0876**	N/A	**0.136**
Aroclor 1260	mg/kg	0.99	N/A	0.054 U	N/A	0.0655 U	N/A	0.0554 U	N/A	0.116 U	N/A	**0.0272 J**	N/A	0.0585 U	0.0577 U	N/A	0.0546 U	0.0553 U	N/A	0.0577 U	0.0653 U	N/A	0.0558 U
Aroclor 1262	mg/kg		N/A	**0.235**	N/A	**0.631**	N/A	0.0554 U	N/A	**3.71**	N/A	0.0552 U	N/A	0.0585 U	0.0577 U	N/A	**0.084**	0.0553 U	N/A	0.0577 U	**0.26**	N/A	**0.312**
Aroclor 1268	mg/kg		N/A	0.054 U	N/A	0.0655 U	N/A	0.0554 U	N/A	0.116 U	N/A	0.0552 U	N/A	**0.144**	0.0577 U	N/A	0.0546 U	0.0553 U	N/A	0.0577 U	0.0653 U	N/A	0.0558 U
PCBs (total)	mg/kg	0.97	N/A	**0.329**	N/A	1.258	N/A	**0.0382 J**	N/A	7.36	N/A	**0.0272 J**	N/A	**0.144**	0.0577 U	N/A	**0.084**	0.0553 U	N/A	0.0577 U	**0.3476**	N/A	**0.607**
TPH																							
Diesel Range Organics	mg/kg	6,200	**148 J**	**61.7**	**575**	**96.5**	**4.8 J**	**266**	**5.5 J**	6,620	**13.6**	**70.7**	**77.4**	**236 J**	**176 J**	**118 J**	**78.8 J**	**13**	**3.7 J**	**24.5**	**48.2 J**	**9.9 J**	**83.5 J**
Gasoline Range Organics	mg/kg	6,200	12.6 U	15.1 U	**150**	9.2 U	11 U	10.9 U	9.7 U	**36.3**	9.9 U	7.8 U	9.6 U	**19.2**	**45.5 J**	**5.9 J**	**20.2**	12.3 U	10.1 U	10.5 U	10.2 U	12 U	10.7 U

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-078-SB-7.5	B22-079-SB-1	B22-079-SB-4	B22-080-SB-1*	B22-080-SB-5*	B22-081-SB-1*	B22-081-SB-4*	B22-082-SB-1	B22-082-SB-4	B22-083-SB-1*	B22-083-SB-4*	B22-084-SB-1	B22-085-SB-1	B22-086-SB-1	B22-086-SB-5	B22-087-SB-1*	B22-087-SB-5*	B22-088-SB-1*	B22-088-SB-6*	B22-089-SB-1*	B22-089-SB-5*
Volatile Organic Compounds																							
1,1,1-Trichloroethane	mg/kg	36,000	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	**0.025**	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.051 U	0.046 U	0.088 U	0.047 U	0.05 U	0.058 U	0.056 U	0.053 U	0.053 U	0.054 U	0.049 U	0.057 UJ	0.059 UJ	0.058 UJ	0.067 UJ	0.074 U	0.053 U	0.047 U	0.047 U	0.055 U	0.061 U
1,1,2-Trichloroethane	mg/kg	5	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
1,1-Dichloroethane	mg/kg	16	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	**0.0039 J**	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
1,1-Dichloroethene	mg/kg	1,000	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
1,2,3-Trichlorobenzene	mg/kg	930	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
1,2,4-Trichlorobenzene	mg/kg	110	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
1,2-Dichloroethane	mg/kg	2	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
1,2-Dichloroethene (Total)	mg/kg	2,300	0.01 U	0.0091 U	0.018 U	0.0093 U	0.01 U	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.0099 U	0.011 U	0.012 U	0.012 U	0.013 U	0.015 U	0.011 U	0.0094 U	0.0095 U	0.011 U	0.012 U
1,4-Dichlorobenzene	mg/kg	11	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
1,4-Dioxane	mg/kg	24	0.1 R	0.091 R	0.18 R	0.093 U	0.1 U	0.12 U	0.11 U	0.11 R	0.11 R	0.11 U	0.099 U	0.11 R	0.12 R	0.12 R	0.13 R	0.15 U	0.11 U	0.094 U	0.095 U	0.11 U	0.12 U
2-Butanone (MEK)	mg/kg	190,000	0.01 U	**0.0034 J**	0.018 U	0.0093 U	0.01 U	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.0099 U	0.011 U	**0.021**	0.012 U	0.013 U	0.015 U	0.011 U	0.0094 U	0.0095 U	0.011 U	0.012 U
2-Hexanone	mg/kg	1,300	0.01 U	0.0091 U	0.018 U	0.0093 U	0.01 U	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.0099 U	0.011 U	0.012 U	0.012 U	0.013 U	0.015 U	0.011 U	0.0094 U	0.0095 U	0.011 U	0.012 U
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.01 UJ	0.0091 U	0.018 U	0.0093 U	0.01 U	0.012 U	0.011 U	0.011 UJ	0.011 UJ	0.011 U	0.0099 U	0.011 UJ	0.0051 UJ	0.012 UJ	0.013 UJ	0.015 U	0.011 U	0.0094 U	0.0095 U	0.011 U	0.012 U
Acetone	mg/kg	670,000	0.01 U	**0.029**	0.018 U	0.0093 U	0.01 U	0.012 U	0.011 U	0.0052 B	0.011 U	0.011 U	0.0099 U	**0.0078 J**	**0.15**	0.012 U	0.013 U	0.015 U	0.011 U	0.0094 U	0.0095 U	0.011 U	0.012 U
Benzene	mg/kg	5.1	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
Chlorobenzene	mg/kg	1,300	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
Chloroethane	mg/kg	57,000	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
Chloroform	mg/kg	1.4	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
cis-1,2-Dichloroethene	mg/kg	2,300	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
Cyclohexane	mg/kg	27,000	0.01 U	0.0091 U	0.018 U	0.0093 U	0.01 U	0.012 U	0.011 U	0.011 UJ	0.011 UJ	0.011 U	0.0099 U	0.011 U	0.012 U	0.012 U	0.013 U	0.015 U	0.011 U	0.0094 U	0.0095 U	0.011 U	0.012 U
Ethylbenzene	mg/kg	25	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
Isopropylbenzene	mg/kg	9,900	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
Methyl Acetate	mg/kg	1,200,000	0.051 U	0.046 U	0.088 U	0.047 U	0.05 U	0.058 U	0.056 U	0.053 U	0.053 U	0.054 U	0.049 U	0.057 U	0.059 U	0.058 U	0.067 U	0.074 U	0.053 U	0.047 U	0.047 U	0.055 U	0.061 U
Methylene Chloride	mg/kg	1,000	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
Styrene	mg/kg	35,000	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 UJ	0.0059 UJ	0.0058 UJ	0.0067 UJ	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
Tetrachloroethene	mg/kg	100	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
Toluene	mg/kg	47,000	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
trans-1,2-Dichloroethene	mg/kg	23,000	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
Trichloroethene	mg/kg	6	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
Trichlorofluoromethane	mg/kg	3,100	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
Vinyl chloride	mg/kg	1.7	0.0051 U	0.0046 U	0.0088 U	0.0047 U	0.005 U	0.0058 U	0.0056 U	0.0053 U	0.0053 U	0.0054 U	0.0049 U	0.0057 U	0.0059 U	0.0058 U	0.0067 U	0.0074 U	0.0053 U	0.0047 U	0.0047 U	0.0055 U	0.0061 U
Xylenes	mg/kg	2,800	0.015 U	**0.0036 J**	0.026 U	0.014 U	0.015 U	0.018 U	0.017 U	0.016 U	0.016 U	0.016 U	0.015 U	0.017 U	0.018 U	0.017 U	0.02 U	0.022 U	0.016 U	0.014 U	0.014 U	0.017 U	0.018 U
Semi-Volatile Organic Compounds^																							
1,1-Biphenyl	mg/kg	200	0.084 U	**0.047 J**	0.082 U	**0.048 J**	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	**0.029 J**	0.085 U	**0.037 J**	**0.35 J**	**0.049 J**	0.087 U	0.07 U	0.079 U	**0.014 J**	**0.037 J**	0.075 U	0.07 U
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.084 U	0.071 U	0.082 U	0.081 U	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	0.075 U	0.085 U	0.076 U	0.078 U	0.078 U	0.087 U	0.07 U	0.079 U	0.067 U	0.068 U	0.075 U	0.07 U
2,4-Dimethylphenol	mg/kg	16,000	0.084 U	0.071 R	0.082 U	0.081 U	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	0.075 U	0.085 U	0.076 U	**0.075 J**	0.078 U	0.087 U	0.07 U	0.079 U	0.067 U	**0.13**	0.075 U	0.07 U
2-Chloronaphthalene	mg/kg	60,000	0.084 U	0.071 U	0.082 U	0.081 U	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	0.075 U	0.085 U	0.076 U	0.078 U	0.078 U	0.087 U	0.07 U	0.079 U	0.067 U	0.068 U	0.075 U	0.07 U
2-Methylnaphthalene	mg/kg	3,000	0.0083 U	**0.064 J**	0.0084 U	**1.7**	0.0088 U	**0.0028 J**	0.0087 U	**0.0095**	0.0086 U	**0.046 J**	0.0085 U	**0.16**	**0.41**	**0.25**	0.0087 U	**0.034**	0.0077 U	**0.055**	**0.11 J**	**0.0042 J**	0.0072 U
2-Methylphenol	mg/kg	41,000	0.084 U	0.071 R	0.082 U	0.081 U	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	0.075 U	0.085 U	0.076 U	**0.023 J**	0.078 U	0.087 U	0.07 U	0.079 U	0.067 U	**0.07**	0.075 U	0.07 U
2-Nitroaniline	mg/kg	8,000	0.21 U	0.18 U	0.21 U	0.2 U	0.22 U	0.2 U	0.22 U	0.22 U	0.21 U	0.19 U	0.21 U	0.19 U	0.2 U	0.19 U	0.22 U	0.17 U	0.2 U	0.17 U	0.17 U	0.19 U	0.18 U
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.17 U	0.14 R	0.16 U	0.16 U	0.17 U	0.16 U	0.17 U	0.18 U	0.17 U	0.15 U	0.17 U	0.15 U	**0.12 J**	0.16 U	0.17 U	0.14 U	0.16 U	0.13 U	**0.18**	0.15 U	0.14 U
4-Nitroaniline	mg/kg	110	0.21 U	0.18 UJ	0.21 UJ	0.2 U	0.22 U	0.2 U	0.22 U	0.22 U	0.21 U	0.19 U	0.21 U	0.19 U	0.2 U	0.19 U	0.22 U	0.17 U	0.2 U	0.17 U	0.17 U	0.19 U	0.18 U
Acenaphthene	mg/kg	45,000	0.0083 U	**0.0087 J**	**0.0014 J**	**4.1**	0.0088 U	**0.0061 J**	**0.001 J**	**0.0052 J**	0.0086 U	**0.084**	0.0085 U	**1.1**	**2**	**0.046**	0.0087 U	**0.002 J**	0.0077 U	**0.013**	**0.11 J**	0.0075 U	0.0072 U
Acenaphthylene	mg/kg	45,000	**0.00089 J**	**0.04 J**	**0.045**	**0.25**	0.0088 U	**0.0039 J**	0.0087 U	**0.0064 J**	0.0086 U	**0.047 J**	0.0085 U	**0.23**	**0.33**	**0.02**	0.0087 U	**0.039**	0.0077 U	**0.0093**	**0.025 J**	0.0075 U	**0.0018 J**
Acetophenone	mg/kg	120,000	0.084 U	**0.021 J**	0.082 U	0.081 U	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	0.075 U	0.085 U	0.076 U	**0.048 J**	**0.03 J**	0.087 U	0.07 U	0.079 U	0.067 U	0.068 U	0.075 U	0.07 U
Anthracene	mg/kg	230,000	**0.00086 J**	**0.064 J**	**0.055**	**11.8**	**0.0011 J**	**0.037**	**0.0085 J**	**0.026**	**0.0019 J**	**0.34**	**0.00077 J**	**6.4**	**7.7**	**0.26**	0.0087 U	**0.052**	0.0077 U	**0.06**	**0.25**	**0.0025 J**	**0.0029 J**
Benz[a]anthracene	mg/kg	21	**0.0039 J**	**0.18**	**0.24**	44.2	**0.0061 J**	**0.075**	**0.0099**	**0.088**	**0.0057 J**	**1.1**	0.0085 U	34.6	30.1	**1.4**	0.0087 U	**0.29**	**0.0011 J**	**0.29**	**2.8**	**0.01**	**0.014**
Benzaldehyde	mg/kg	120,000	0.084 R	**0.04 J**	0.082 R	**0.024 J**	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	0.075 U	0.085 U	**0.097 J**	**0.096 J**	0.078 R	0.087 R	0.07 U	0.079 U	0.067 U	0.068 U	0.075 U	0.07 U
Benzo[a]pyrene	mg/kg	2.1	**0.0036 J**	**0.16**	**0.2**	35.3	**0.0057 J**	**0.051**	**0.004 J**	**0.043**	**0.0023 J**	**0.42**	0.0085 U	24.5	23.7	**1**	0.0087 U	**0.32**	0.0077 U	**0.34**	3.1	**0.007 J**	**0.008**
Benzo[b]fluoranthene	mg/kg	21	**0.0067 J**	**0.57**	**0.48**	69.8	0.013 B	**0.2**	**0.021**	**0.16**	**0.0099**	**2.1**	0.0024 B	50.3	48.8	**3.4**	**0.00066 J**	**0.86**	**0.0012 J**	**0.69**	**5.6**	**0.021**	**0.023**
Benzo[g,h,i]perylene	mg/kg		**0.0027 J**	**0.078**	**0.06**	**9.2**	**0.0049 J**	**0.026**	**0.002 J**	**0.04**	**0.0025 J**	**0.2**	0.0085 U	**11.5**	**7.6**	**0.51**	0.0087 U	**0.13**	0.0077 U	**0.24**	**0.83**	**0.0081**	**0.008**
Benzo[k]fluoranthene	mg/kg	210	**0.0065 J**	**0.5**	**0.42**	**60.6**	**0.012**	**0.17**	**0.018**	**0.14**	**0.0086**	**1.9**	0.0022 B	**43.7**	**42.4**	**3**	0.0087 U	**0.74**	0.0077 U	**0.6**	**4.8**	**0.018**	**0.02**
bis(2-Ethylhexyl)phthalate	mg/kg	160	0.084 U	0.026 B	0.082 U	**0.061 J**	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	**0.052 J**	0.085 U	**0.024 J**	**0.89 J**	**0.055 J**	0.087 U	0.07 U	0.079 U	0.067 U	**0.029 J**	0.075 U	0.07 U
Carbazole	mg/kg		0.084 U	**0.054 J**	0.082 U	**0.74**	0.086 U	**0.022 J**	0.086 U	0.088 U	0.084 U	**0.1**	0.085 U	**0.69**	**7.5**	**0.17 J**	0.087 U	0.07 U	0.079 U	**0.025 J**	**0.28**	0.075 U	0.07 U
Chrysene	mg/kg	2,100	**0.0043 J**	**0.23**	**0.21**	**39.7**	**0.0073 J**	**0.1**	**0.012**	**0.11**	**0.0061 J**	**1.4**	**0.0011 J**	**29.1**	**27.2**	**1.2**	**0.00087 J**	**0.28**	0.0077 U	**0.33**	**2.4**	**0.01**	**0.019**
Dibenz[a,h]anthracene	mg/kg	2.1	0.0083 U	**0.025 J**	**0.021**	2.7	0.0088 U	**0.0082**	0.0087 U	**0.012**	0.0086 U	**0.074 J**	0.0085 U	4.8	3.2	**0.22**	0.0087 U	**0.055**	0.0077 U	**0.097**	**0.43**	**0.0021 J**	**0.0022 J**
Diethylphthalate	mg/kg	660,000	0.084 U	0.071 U	0.082 U	0.081 U	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	0.075 U	0.085 U	0.076 U	0.078 U	0.078 U	0.087 U	0.07 U	0.079 U	0.067 U	0.068 U	0.075 U	0.07 U
Di-n-butylphthalate	mg/kg	82,000	0.084 U	0.071 U	0.082 U	0.081 U	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	0.075 U	0.085 U	0.076 U	0.078 U	0.078 U	0.087 U	0.07 U	0.079 U	0.067 U	0.068 U	0.075 U	0.07 U
Di-n-octylphthalate	mg/kg	8,200	0.084 U	0.071 UJ	0.082 U	0.081 U	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	0.075 U	0.085 U	0.076 UJ	0.078 UJ	0.078 UJ	0.087 U	0.07 U	0.079 U	0.067 U	0.068 U	0.075 U	0.07 U
Fluoranthene	mg/kg	30,000	**0.006 J**	**0.42**	**0.55**	**117**	**0.015**	**0.27**	**0.031**	**0.28**	**0.015**	**3.7**	0.0022 B	**58.6**	**61.8**	**4.4**	0.002 B	**0.36**	**0.00067 J**	**0.42**	**2.2**	**0.014**	**0.02**
Fluorene	mg/kg	30,000	0.0083 U	**0.0079 J**	**0.009**	**3.1**	0.0088 U	**0.0047 J**	**0.001 J**	**0.0062 J**	0.0086 U	**0.075**	0.0085 U	**0.94**	**2.1**	**0.052**	0.0087 U	**0.0041 J**	0.0077 U	**0.0044 J**	**0.05 J**	0.0075 U	0.0072 U
Hexachlorobenzene	mg/kg	0.96	0.084 U	0.071 U	0.082 U	0.081 U	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	0.075 U	0.085 U	0.076 U	0.078 U	0.078 U	0.087 U	0.07 U	0.079 U	0.067 U	0.068 U	0.075 U	0.07 U
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.0022 J**	**0.073**	**0.067**	**8.8**	**0.0032 J**	**0.026**	**0.0022 J**	**0.034**	**0.0019 J**	**0.2**	0.0085 U	**11.7**	**8.2**	**0.54**	0.0087 U	**0.15**	0.0077 U	**0.23**	**0.92**	**0.0067 J**	**0.0071 J**
Naphthalene	mg/kg	17	0.0021 B	**0.14**	0.0064 B	**3.2**	0.0088 U	**0.0034 J**	0.0087 U	0.0088 B	0.0086 U	0.075 B	0.0085 U	**0.19**	**0.64**	**0.4**	0.0087 U	**0.037**	0.0077 U	**0.12**	**0.3**	**0.0045 J**	**0.0025 J**
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.084 U	0.071 U	0.082 U	0.081 U	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	0.075 U	0.085 U	0.076 U	0.078 U	0.078 U	0.087 U	0.07 U	0.079 U	0.067 U	0.068 U	0.075 U	0.07 U
N-Nitrosodiphenylamine	mg/kg	470	0.084 U	0.071 U	0.082 U	0.081 U	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	0.075 U	0.085 U	0.076 U	0.078 U	0.078 U	0.087 U	0.07 U	0.079 U	0.067 U	0.068 U	0.075 U	0.07 U
Pentachlorophenol	mg/kg	4	0.21 U	0.18 R	0.21 U	0.2 U	0.22 U	0.2 U	0.22 U	0.22 U	0.21 U	0.19 U	0.21 U	0.19 U	0.2 UJ	0.19 U	0.22 U	0.17 U	0.2 U	0.17 U	0.17 U	0.19 U	0.18 U
Phenanthrene	mg/kg		**0.0045 J**	**0.34**	**0.26**	**84.2**	0.0068 B	**0.37**	**0.05**	**0.17**	**0.0082 J**	**3**	0.0018 B	**13.7**	**32.3**	**1.5**	**0.0017 J**	**0.17**	**0.00059 J**	**0.26**	**0.7**	**0.0086**	**0.0061 J**
Phenol	mg/kg	250,000	0.084 U	0.071 R	0.082 U	0.081 U	0.086 U	0.079 U	0.086 U	0.088 U	0.084 U	0.075 U	0.085 U	0.076 U	**0.06 J**	**0.058 J**	0.087 U	0.07 U	0.079 U	0.067 U	**0.061 J**	0.075 U	0.07 U
Pyrene	mg/kg	23,000	**0.0052 J**	**0.33**	**0.37**	**95.3**	**0.012**	**0.22**	**0.028**	**0.23**	**0.012**	**3**	0.002 B	**49.6**	**49**	**3.6**	**0.0015 J**	**0.26**	0.0077 U	**0.31**	**2.1**	**0.011**	**0.015**
PCBs																							
Aroclor 1242	mg/kg	0.97	N/A	0.0544 U	N/A	0.0626 U	N/A	0.06 U	N/A	0.0629 U	N/A	0.0542 U	N/A	0.0548 U	**0.257**	0.0605 U	N/A	0.0576 U	N/A	0.0518 U	N/A	**0.249**	N/A
Aroclor 1248	mg/kg	0.94	N/A	0.0544 U	N/A	**0.278**	N/A	0.06 U	N/A	0.0629 U	N/A	0.0542 U	N/A	0.0548 U	0.0607 U	0.0605 U	N/A	0.0576 U	N/A	0.0518 U	N/A	0.055 U	N/A
Aroclor 1254	mg/kg	0.97	N/A	**0.0283 J**	N/A	0.0626 U	N/A	0.06 U	N/A	0.0629 U	N/A	0.0542 U	N/A	0.0548 U	**0.146**	0.0605 U	N/A	0.0576 U	N/A	0.0518 U	N/A	0.055 U	N/A
Aroclor 1260	mg/kg	0.99	N/A	0.0544 U	N/A	0.0626 U	N/A	0.06 U	N/A	0.0629 U	N/A	0.0542 U	N/A	0.0548 U	0.0607 U	0.0605 U	N/A	0.0576 U	N/A	0.0518 U	N/A	0.055 U	N/A
Aroclor 1262	mg/kg		N/A	**0.0565**	N/A	0.0626 U	N/A	0.06 U	N/A	0.0629 U	N/A	0.0542 U	N/A	0.0548 U	**0.235**	0.0605 U	N/A	0.0576 U	N/A	0.0518 U	N/A	**0.0856**	N/A
Aroclor 1268	mg/kg		N/A	0.0544 U	N/A	0.0626 U	N/A	0.06 U	N/A	0.0629 U	N/A	0.0542 U	N/A	0.0548 U	0.0607 U	0.0605 U	N/A	0.0576 U	N/A	**0.086**	N/A	0.055 U	N/A
PCBs (total)	mg/kg	0.97	N/A	**0.0848**	N/A	**0.278**	N/A	0.06 U	N/A	0.0629 U	N/A	0.0542 U	N/A	0.0548 U	**0.638**	0.0605 U	N/A	0.0576 U	N/A	**0.086**	N/A	**0.3346**	N/A
TPH																							
Diesel Range Organics	mg/kg	6,200	**7.5 J**	**77.6 J**	**6.2 J**	**442**	**3.3 J**	**9.5**	8.5 U	**63.8 J**	**5.1 J**	**198**	8.6 U	**246 J**	**1,200 J**	**240 J**	**4.9 J**	**129**	**3.4 J**	**80.3**	**109**	**45.6**	**33.1**
Gasoline Range Organics	mg/kg	6,200	10.5 U	10.9 U	19 U	11.5 U	10.6 U	10.6 U	11.3 U	10.6 U	10.1 U	11.2 U	10.9 U	12 U	12.2 U	12.5 U	11.5 U	15.3 U	10.1 U	9.9 U	**6.1 J**	12 U	13.6 U

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-090-SB-1*	B22-090-SB-5*	B22-091-SB-1	B22-091-SB-4	B22-092-SB-1	B22-092-SB-4	B22-093-SB-1	B22-093-SB-5	B22-094-SB-1*	B22-094-SB-4*	B22-095-SB-1*	B22-095-SB-6*	B22-096-SB-1*	B22-096-SB-9*	B22-097-SB-1*	B22-097-SB-9*	B22-098-SB-1*	B22-098-SB-4*	B22-099-SB-1*	B22-099-SB-7*	B22-099-SB-9.5*
Volatile Organic Compounds																							
1,1,1-Trichloroethane	mg/kg	36,000	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.065 U	0.052 U	0.055 UJ	0.041 UJ	0.064 UJ	0.058 UJ	0.048 UJ	0.046 U	0.053 U	0.05 U	0.048 U	0.045 U	0.058 U	0.051 U	0.068 U	0.069 U	0.058 U	0.049 U	0.052 U	0.055 U	N/A
1,1,2-Trichloroethane	mg/kg	5	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
1,1-Dichloroethane	mg/kg	16	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
1,1-Dichloroethene	mg/kg	1,000	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
1,2,3-Trichlorobenzene	mg/kg	930	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
1,2,4-Trichlorobenzene	mg/kg	110	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
1,2-Dichloroethane	mg/kg	2	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
1,2-Dichloroethene (Total)	mg/kg	2,300	0.013 U	0.01 U	0.011 U	0.0082 U	0.013 U	0.012 U	0.0097 U	0.0092 U	0.011 U	0.01 U	0.0096 U	0.009 U	0.012 U	0.01 U	0.014 U	0.014 U	0.012 U	0.0099 U	0.01 U	0.011 U	N/A
1,4-Dichlorobenzene	mg/kg	11	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
1,4-Dioxane	mg/kg	24	0.13 U	0.1 U	0.11 R	0.082 R	0.13 R	0.12 R	0.097 R	0.092 R	0.11 U	0.1 U	0.096 U	0.09 U	0.12 U	0.1 U	0.14 U	0.14 U	0.12 U	0.099 U	0.1 U	0.11 U	N/A
2-Butanone (MEK)	mg/kg	190,000	0.013 U	0.01 U	0.011 U	0.0082 U	**0.01 J**	0.012 U	0.0097 U	0.0092 U	0.011 U	0.01 U	0.0096 U	0.009 U	0.012 U	0.01 U	0.014 U	0.014 U	0.012 U	0.0099 U	0.01 U	0.011 U	N/A
2-Hexanone	mg/kg	1,300	0.013 U	0.01 U	0.011 U	0.0082 U	0.013 U	0.012 U	0.0097 U	0.0092 U	0.011 U	0.01 U	0.0096 U	0.009 U	0.012 U	0.01 U	0.014 U	0.014 U	0.012 U	0.0099 U	0.01 U	0.011 U	N/A
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.013 U	0.01 U	0.011 U	0.0082 U	0.013 U	0.012 U	0.0097 U	0.0092 U	0.011 U	0.01 U	0.0096 U	0.009 U	0.012 U	0.01 U	0.014 U	0.014 U	0.012 U	0.0099 U	0.01 U	0.011 U	N/A
Acetone	mg/kg	670,000	**0.01 J**	**0.015**	0.011 U	0.0082 U	0.013 U	0.012 U	0.0097 U	0.0092 U	**0.0072 J**	0.01 U	**0.0069 J**	**0.0047 J**	0.012 U	0.01 U	0.014 U	0.014 U	0.012 U	0.0099 U	**0.0079 J**	**0.0083 J**	N/A
Benzene	mg/kg	5.1	**0.0043 J**	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	**0.0018 J**	0.0046 U	0.0053 U	**0.0058**	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	**0.0016 J**	0.0049 U	0.0052 U	0.0055 U	N/A
Chlorobenzene	mg/kg	1,300	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
Chloroethane	mg/kg	57,000	0.0065 U	0.0052 U	0.0055 UJ	0.0041 UJ	0.0064 UJ	0.0058 UJ	0.0048 UJ	0.0046 UJ	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
Chloroform	mg/kg	1.4	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
cis-1,2-Dichloroethene	mg/kg	2,300	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
Cyclohexane	mg/kg	27,000	0.013 U	0.01 U	0.011 U	0.0082 U	**0.0052 J**	0.012 U	0.0097 U	0.0092 U	0.011 U	0.01 U	0.0096 U	0.009 U	0.012 U	0.01 U	0.014 U	0.014 U	0.012 U	0.0099 U	0.01 U	0.011 U	N/A
Ethylbenzene	mg/kg	25	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
Isopropylbenzene	mg/kg	9,900	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
Methyl Acetate	mg/kg	1,200,000	0.065 U	0.052 U	0.055 U	0.041 U	0.064 U	0.058 U	0.048 U	0.046 U	0.053 U	0.05 U	0.048 U	0.045 U	0.058 U	0.051 U	0.068 U	0.069 U	0.058 U	0.049 U	0.052 U	0.055 U	N/A
Methylene Chloride	mg/kg	1,000	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 UJ	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
Styrene	mg/kg	35,000	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
Tetrachloroethene	mg/kg	100	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	**0.014**	0.0055 U	N/A
Toluene	mg/kg	47,000	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	**0.0022 J**	0.0049 U	0.0052 U	0.0055 U	N/A
trans-1,2-Dichloroethene	mg/kg	23,000	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
Trichloroethene	mg/kg	6	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
Trichlorofluoromethane	mg/kg	3,100	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 UJ	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
Vinyl chloride	mg/kg	1.7	0.0065 U	0.0052 U	0.0055 U	0.0041 U	0.0064 U	0.0058 U	0.0048 U	0.0046 U	0.0053 U	0.005 U	0.0048 U	0.0045 U	0.0058 U	0.0051 U	0.0068 U	0.0069 U	0.0058 U	0.0049 U	0.0052 U	0.0055 U	N/A
Xylenes	mg/kg	2,800	0.019 U	0.016 U	0.016 U	0.012 U	**0.0078 J**	0.017 U	0.015 U	0.014 U	0.016 U	0.015 U	0.014 U	0.014 U	0.017 U	0.015 U	0.02 U	0.021 U	0.017 U	0.015 U	0.016 U	0.017 U	N/A
Semi-Volatile Organic Compounds^																							
1,1-Biphenyl	mg/kg	200	0.077 U	0.082 U	0.076 U	0.08 U	0.072 U	0.074 U	0.078 U	0.078 U	0.074 U	0.083 U	0.074 U	0.079 U	0.084 U	0.083 U	**0.062 J**	**0.049 J**	0.073 U	0.07 U	**0.016 J**	0.071 U	N/A
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.077 U	0.082 U	0.076 U	0.08 U	0.072 U	0.074 U	0.078 U	0.078 U	0.074 U	0.083 U	0.074 U	0.079 U	0.084 U	0.083 U	**0.1**	0.072 U	0.073 U	**0.058 J**	0.071 U	0.071 U	N/A
2,4-Dimethylphenol	mg/kg	16,000	0.077 U	0.082 U	0.076 U	0.08 U	0.072 U	0.074 U	0.078 U	0.078 U	0.074 U	0.083 U	0.074 U	0.079 U	0.084 U	0.083 U	0.071 U	0.072 U	0.073 U	0.07 U	0.071 U	0.071 U	N/A
2-Chloronaphthalene	mg/kg	60,000	0.077 U	0.082 U	0.076 U	0.08 U	0.072 U	0.074 U	0.078 U	0.078 U	0.074 U	0.083 U	0.074 U	0.079 U	0.084 U	0.083 U	**0.051 J**	0.072 U	0.073 U	**0.054 J**	0.071 U	0.071 U	N/A
2-Methylnaphthalene	mg/kg	3,000	0.078 U	0.0083 U	**0.087**	0.0081 U	0.073 U	0.0074 U	0.079 U	0.0079 U	0.072 U	**0.053**	**0.021 J**	0.008 U	**0.079 J**	0.0082 U	**19.2**	**0.65**	**0.062**	**0.057**	**0.084**	**0.024**	N/A
2-Methylphenol	mg/kg	41,000	0.077 U	0.082 U	0.076 U	0.08 U	0.072 U	0.074 U	0.078 U	0.078 U	0.074 U	0.083 U	0.074 U	0.079 U	0.084 U	0.083 U	0.071 U	0.072 U	0.073 U	0.07 U	0.071 U	0.071 U	N/A
2-Nitroaniline	mg/kg	8,000	0.19 U	0.21 U	0.19 U	0.2 U	0.18 U	0.19 U	0.2 U	0.2 U	0.18 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U	0.18 U	0.18 U	0.18 U	0.17 U	0.18 U	0.18 U	N/A
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.15 U	0.16 U	0.15 U	0.16 U	0.14 U	0.15 U	0.16 U	0.16 U	0.15 U	0.17 U	**0.18**	0.16 U	0.17 U	0.17 U	0.14 U	0.14 U	0.15 U	0.14 U	0.14 U	0.14 U	N/A
4-Nitroaniline	mg/kg	110	0.19 U	0.21 U	0.19 UJ	0.2 U	0.18 UJ	0.19 U	0.2 UJ	0.2 UJ	0.18 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U	0.18 U	0.18 U	0.18 U	0.17 U	0.18 U	0.18 U	N/A
Acenaphthene	mg/kg	45,000	**0.0075 J**	0.0083 U	**0.099**	0.0081 U	0.073 U	0.0074 U	**0.0069 J**	0.0079 U	0.072 U	**0.014**	**0.0062 J**	0.008 U	**0.028 J**	0.0082 U	**0.25**	**0.0084 J**	**0.002 J**	**0.0014 J**	**0.02 J**	**0.011**	N/A
Acenaphthylene	mg/kg	45,000	**0.009 J**	0.0083 U	**0.06 J**	0.0081 U	0.073 U	0.0074 U	**0.02 J**	0.0079 U	0.072 U	**0.038**	**0.0088 J**	0.008 U	**0.66**	0.0082 U	**0.066**	**0.24**	**0.0077**	**0.0034 J**	**0.41**	**0.02**	N/A
Acetophenone	mg/kg	120,000	0.077 U	0.082 U	0.076 U	0.08 U	0.072 U	0.074 U	0.078 U	0.078 U	0.074 U	0.083 U	0.074 U	0.079 U	0.084 U	0.083 U	0.071 U	**0.093**	0.073 U	0.07 U	0.071 U	0.071 U	N/A
Anthracene	mg/kg	230,000	**0.044 J**	0.0083 U	**0.33**	0.0081 U	**0.0083 J**	**0.00068 J**	**0.041 J**	0.0079 U	0.072 U	**0.051**	**0.037 J**	**0.001 J**	**0.27**	0.0082 U	**0.081**	**0.058 J**	**0.027**	**0.0056 J**	**0.36**	**0.077**	N/A
Benz[a]anthracene	mg/kg	21	**0.12**	0.0083 U	**0.78**	0.0081 U	**0.026 J**	**0.0021 J**	**0.12**	0.0079 U	0.072 U	**0.17**	**0.12**	**0.0021 J**	**0.99**	0.0082 U	**0.4**	**0.14**	**0.19**	**0.018**	**1.5**	**0.81**	N/A
Benzaldehyde	mg/kg	120,000	0.077 U	0.082 U	0.076 UJ	0.08 UJ	0.072 UJ	0.074 UJ	0.078 UJ	0.078 R	0.074 U	0.083 U	**0.046 J**	0.079 U	**0.024 J**	0.083 U	**0.047 J**	**0.12**	0.073 U	**0.049 J**	**0.023 J**	0.071 U	N/A
Benzo[a]pyrene	mg/kg	2.1	**0.084**	0.0083 U	**0.7**	0.0081 U	**0.017 J**	**0.0013 J**	**0.096**	0.0079 U	0.14 U	**0.17**	**0.098**	**0.001 J**	**0.82**	0.0082 U	**0.2**	**0.097**	**0.12**	**0.015**	**1.6**	**0.98**	**0.1**
Benzo[b]fluoranthene	mg/kg	21	**0.18**	0.0083 U	**1.4**	**0.0006 J**	**0.038 J**	**0.0032 J**	**0.21**	0.0079 U	**0.029 J**	**0.39**	**0.23**	**0.0024 J**	**1.8**	0.0082 U	**0.76**	**0.2**	**0.42**	**0.049**	**4.3**	**2.1**	N/A
Benzo[g,h,i]perylene	mg/kg		**0.046 J**	0.0083 U	**0.24**	0.0081 U	**0.01 J**	0.0074 U	**0.047 J**	0.0079 U	0.14 U	**0.11**	**0.058 J**	0.008 U	**0.45**	0.0082 U	**0.14**	**0.11**	**0.088**	**0.02**	**0.67**	**0.83**	N/A
Benzo[k]fluoranthene	mg/kg	210	**0.13**	0.0083 U	**1.2**	0.0081 U	**0.032 J**	**0.0025 J**	**0.18**	0.0079 U	**0.023 J**	**0.29**	**0.17**	**0.0018 J**	**1.6**	0.0082 U	**0.66**	**0.17**	**0.37**	**0.043**	**3.6**	**2.1**	N/A
bis(2-Ethylhexyl)phthalate	mg/kg	160	**0.05 J**	0.082 U	0.076 UJ	0.08 UJ	0.073 B	0.074 UJ	0.085 B	0.078 U	**0.09**	0.083 U	**0.07 J**	0.079 U	0.084 U	0.083 U	0.071 U	0.072 U	0.073 U	0.07 U	0.071 U	0.071 U	N/A
Carbazole	mg/kg		0.077 U	0.082 U	**0.049 J**	0.08 UJ	0.072 UJ	0.074 UJ	0.078 UJ	0.078 U	0.074 U	0.083 U	**0.033 J**	0.079 U	**0.036 J**	0.083 U	**0.055 J**	**0.025 J**	0.073 U	0.07 U	**0.072**	**0.034 J**	N/A
Chrysene	mg/kg	2,100	**0.093**	0.0083 U	**0.83**	0.0081 U	**0.024 J**	**0.0018 J**	**0.11**	0.0079 U	**0.011 J**	**0.17**	**0.11**	**0.0012 J**	**0.83**	0.0082 U	**0.55**	**0.13**	**0.2**	**0.057**	**1.6**	**0.88**	N/A
Dibenz[a,h]anthracene	mg/kg	2.1	**0.015 J**	0.0083 U	**0.11**	0.0081 U	0.073 U	0.0074 U	**0.016 J**	0.0079 U	0.14 U	**0.038**	**0.02 J**	0.008 U	**0.18**	0.0082 U	**0.076**	**0.021 J**	**0.038**	**0.0069**	**0.33**	**0.27**	N/A
Diethylphthalate	mg/kg	660,000	0.077 U	0.082 U	0.076 U	0.08 U	0.072 U	0.074 U	0.078 U	0.078 U	0.074 U	0.083 U	0.074 U	0.079 U	0.084 U	0.083 U	0.071 U	0.072 U	0.073 U	0.07 U	**0.15**	0.071 U	N/A
Di-n-butylphthalate	mg/kg	82,000	0.077 U	0.082 U	0.076 UJ	0.08 UJ	0.072 UJ	0.074 UJ	**0.1 J**	0.078 U	0.074 U	0.083 U	0.074 U	0.079 U	0.084 U	0.083 U	0.071 U	0.072 U	0.073 U	0.07 U	0.071 U	0.071 U	N/A
Di-n-ocytlphthalate	mg/kg	8,200	0.077 U	0.082 U	0.076 UJ	0.08 U	0.072 UJ	0.074 U	0.078 UJ	0.078 U	0.074 U	0.083 U	**0.07 J**	0.079 U	0.084 U	0.083 U	0.071 U	0.072 U	0.073 U	0.07 U	0.071 U	0.071 U	N/A
Fluoranthene	mg/kg	30,000	**0.24**	**0.0028 J**	**1.7**	**0.00057 J**	**0.042 J**	**0.0031 J**	**0.2**	0.0079 U	**0.018 J**	**0.4**	**0.21**	**0.0029 J**	**1.6**	0.0082 U	**0.93**	**0.26**	**0.21**	**0.038**	**1.5**	**1**	N/A
Fluorene	mg/kg	30,000	**0.0078 J**	0.0083 U	**0.096**	0.0081 U	0.073 U	0.0074 U	**0.0074 J**	0.0079 U	0.072 U	**0.018**	0.074 U	0.008 U	**0.041 J**	0.0082 U	**0.15**	**0.014 J**	**0.0015 J**	**0.0018 J**	**0.036 J**	**0.0058 J**	N/A
Hexachlorobenzene	mg/kg	0.96	0.077 U	0.082 U	0.076 UJ	0.08 U	0.072 U	0.074 U	0.078 U	0.078 U	0.074 U	0.083 U	0.074 U	0.079 U	0.084 U	0.083 U	0.071 U	0.072 U	0.073 U	0.07 U	0.071 U	0.071 U	N/A
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.041 J**	0.0083 U	**0.25**	0.0081 U	0.073 U	0.0074 U	**0.042 J**	0.0079 U	0.14 U	**0.11**	**0.051 J**	0.008 U	**0.44**	0.0082 U	**0.15**	**0.066 J**	**0.096**	**0.014**	**0.71**	**0.75**	N/A
Naphthalene	mg/kg	17	0.078 U	0.0083 U	**0.16**	0.0081 U	0.073 U	0.0074 U	0.023 B	0.0079 U	**0.018 J**	**0.056**	**0.026 J**	0.008 U	**0.26**	0.0082 U	**2.9**	**0.8**	**0.038**	**0.04**	**0.094**	**0.029**	N/A
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.077 U	0.082 U	0.076 U	0.08 U	0.072 U	0.074 U	0.078 U	0.078 U	0.074 U	0.083 U	0.074 U	0.079 U	0.084 U	0.083 U	0.071 U	0.072 U	0.073 U	0.07 U	0.071 U	0.071 U	N/A
N-Nitrosodiphenylamine	mg/kg	470	0.077 U	0.082 U	0.076 UJ	0.08 U	0.072 U	0.074 U	0.078 U	0.078 U	0.074 U	0.083 U	0.074 U	0.079 U	0.084 U	0.083 U	0.071 U	0.072 U	0.073 U	0.07 U	0.071 U	0.071 U	N/A
Pentachlorophenol	mg/kg	4	0.19 U	0.21 U	0.19 UJ	0.2 UJ	0.18 UJ	0.19 UJ	0.2 UJ	0.2 U	0.18 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U	0.18 U	0.18 U	0.18 U	0.17 U	0.18 U	0.18 U	N/A
Phenanthrene	mg/kg		**0.17**	0.0083 U	**1.3**	0.0081 U	0.033 B	0.0021 B	**0.12**	0.0079 U	0.012 B	**0.27**	**0.13**	**0.0019 J**	**0.78**	**0.00079 J**	**0.94**	**0.44**	**0.097**	**0.083**	**0.38**	**0.28**	N/A
Phenol	mg/kg	250,000	0.077 U	0.082 U	0.076 U	0.08 U	0.072 U	0.074 U	0.078 U	0.078 U	0.074 U	0.083 U	**0.02 J**	0.079 U	0.084 U	0.083 U	**0.049 J**	0.072 U	0.073 U	0.07 U	**0.025 J**	0.071 U	N/A
Pyrene	mg/kg	23,000	**0.2**	**0.0019 J**	**1.4**	0.0081 U	**0.037 J**	**0.0028 J**	**0.17**	0.0079 U	**0.02 J**	**0.32**	**0.18**	**0.0026 J**	**1.2**	0.0082 U	**0.64**	**0.26**	**0.17**	**0.032**	**1.5**	**1.1**	N/A
PCBs																							
Aroclor 1242	mg/kg	0.97	0.0573 U	N/A	0.0608 U	N/A	0.105 U	N/A	0.0586 U	N/A	0.224 U	N/A	0.0545 U	N/A	0.0612 U	N/A	0.054 U	N/A	0.0561 U	N/A	0.0524 U	N/A	N/A
Aroclor 1248	mg/kg	0.94	0.0573 U	N/A	0.0608 U	N/A	0.105 U	N/A	0.0586 U	N/A	0.224 U	N/A	0.0545 U	N/A	0.0612 U	N/A	0.054 U	N/A	0.0561 U	N/A	0.0524 U	N/A	N/A
Aroclor 1254	mg/kg	0.97	**0.086**	N/A	0.0608 U	N/A	0.105 U	N/A	0.0586 U	N/A	**1.01**	N/A	0.0545 U	N/A	0.0612 U	N/A	0.054 U	N/A	0.0561 U	N/A	0.0524 U	N/A	N/A
Aroclor 1260	mg/kg	0.99	0.0573 U	N/A	0.0608 U	N/A	0.105 U	N/A	0.0586 U	N/A	0.224 U	N/A	0.0545 U	N/A	0.0612 U	N/A	0.054 U	N/A	0.0561 U	N/A	0.0524 U	N/A	N/A
Aroclor 1262	mg/kg		0.0573 U	N/A	0.0608 U	N/A	0.105 U	N/A	**0.0451 J**	N/A	0.224 U	N/A	**0.037 J**	N/A	0.0612 U	N/A	0.054 U	N/A	0.0561 U	N/A	**0.167**	N/A	N/A
Aroclor 1268	mg/kg		**0.145**	N/A	0.0608 U	N/A	**3.18**	N/A	0.0586 U	N/A	**6.68**	N/A	0.0545 U	N/A	**0.418**	N/A	**0.0603**	N/A	0.0561 U	N/A	0.0524 U	N/A	N/A
PCBs (total)	mg/kg	0.97	**0.231**	N/A	0.0608 U	N/A	**3.18**	N/A	**0.0451 J**	N/A	**7.69**	N/A	**0.037 J**	N/A	**0.418**	N/A	**0.0603**	N/A	0.0561 U	N/A	**0.167**	N/A	N/A
TPH																							
Diesel Range Organics	mg/kg	6,200	**55.8**	**6.1 J**	**351 J**	8 UJ	**47.1 J**	**6.3 J**	**37.4 J**	**4.1 J**	**316**	**99.7**	**158**	**93.1**	**95.6**	**4.2 J**	**38.5**	**70**	**39.2**	**24.1**	**122**	**89**	N/A
Gasoline Range Organics	mg/kg	6,200	11.7 U	10.2 U	13.9 U	9.9 U	13.1 U	10.6 U	13.9 U	9 U	11.8 U	10.5 U	11.2 U	9.1 U	13.2 U	9.8 U	13.9 U	**7.8 J**	14.8 U	11.4 U	10.2 U	10 U	N/A

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-100-SB-1*	B22-100-SB-6*	B22-100-SB-10	B22-101-SB-1*	B22-101-SB-5*	B22-102-SB-1*	B22-102-SB-5*	B22-103-SB-1	B22-103-SB-4	B22-104-SB-1	B22-104-SB-4	B22-105-SB-1	B22-105-SB-4	B22-106-SB-1*	B22-106-SB-8.5*	B22-107-SB-1	B22-107-SB-5	B22-108-SB-1	B22-108-SB-5	B22-109-SB-1*	B22-109-SB-4.5*
Volatile Organic Compounds																							
1,1,1-Trichloroethane	mg/kg	36,000	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	**0.0058**	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	**0.012**	**0.031**	**0.023**	**0.0063**
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.052 U	0.06 U	N/A	0.052 U	0.049 U	0.056 U	0.049 U	0.057 U	0.053 U	0.11 U	0.049 U	0.048 U	0.046 U	0.066 U	0.045 U	0.044 UJ	0.049 UJ	0.052 UJ	0.059 UJ	0.053 U	0.06 U
1,1,2-Trichloroethane	mg/kg	5	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 U	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
1,1-Dichloroethane	mg/kg	16	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	**0.32**	**0.014**	**0.05**	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	**0.0052**	**0.062**	**0.1**	**0.018**
1,1-Dichloroethene	mg/kg	1,000	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	**0.018**	**0.008**	**0.027**	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
1,2,3-Trichlorobenzene	mg/kg	930	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 UJ	0.011 UJ	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 UJ	0.0053 U	0.006 U
1,2,4-Trichlorobenzene	mg/kg	110	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 UJ	0.011 UJ	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 UJ	0.0053 U	0.006 U
1,2-Dichloroethane	mg/kg	2	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 U	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
1,2-Dichloroethene (Total)	mg/kg	2,300	0.01 U	0.012 U	N/A	0.01 U	0.0097 U	0.011 U	0.0097 U	**0.021**	**0.064**	0.023 U	0.0098 U	0.0096 U	0.0091 U	0.013 U	0.0091 U	0.0089 U	0.0098 U	0.01 U	0.012 U	0.011 U	0.012 U
1,4-Dichlorobenzene	mg/kg	11	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 UJ	0.011 UJ	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 UJ	0.0053 U	0.006 U
1,4-Dioxane	mg/kg	24	0.1 U	0.12 U	N/A	0.1 U	0.097 U	0.11 U	0.097 U	0.11 R	0.11 R	0.23 R	0.098 R	0.096 R	0.091 R	0.13 U	0.091 U	0.089 R	0.098 R	**0.23 J**	0.12 R	0.11 U	0.12 U
2-Butanone (MEK)	mg/kg	190,000	0.01 U	0.012 U	N/A	0.01 U	0.0097 U	0.011 U	0.0097 U	0.011 U	0.011 U	0.023 U	0.0098 U	0.0096 U	0.0091 U	0.013 U	0.0091 U	0.0089 U	0.0098 U	**0.005 J**	0.012 U	0.011 U	0.012 U
2-Hexanone	mg/kg	1,300	0.01 U	0.012 U	N/A	0.01 U	0.0097 U	0.011 U	0.0097 U	0.011 U	0.011 U	0.023 U	0.0098 U	0.0096 U	0.0091 U	0.013 U	0.0091 U	0.0089 U	0.0098 U	0.01 U	0.012 U	0.011 U	0.012 U
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.01 U	0.012 U	N/A	0.01 U	0.0097 U	0.011 U	0.0097 U	0.011 U	0.011 U	0.023 U	0.0098 U	0.0096 U	0.0091 U	0.013 U	0.0091 U	0.0089 UJ	0.0098 U	0.01 UJ	0.012 UJ	0.011 U	0.012 U
Acetone	mg/kg	670,000	0.01 U	0.012 U	N/A	0.01 U	0.0097 U	0.011 U	0.0097 U	0.011 U	0.011 U	0.023 U	0.0098 U	0.0096 U	0.0091 U	0.013 U	0.0091 U	**0.007 J**	0.0098 U	**0.028**	**0.013**	0.011 U	0.012 U
Benzene	mg/kg	5.1	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 U	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
Chlorobenzene	mg/kg	1,300	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 U	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
Chloroethane	mg/kg	57,000	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 U	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
Chloroform	mg/kg	1.4	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 U	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
cis-1,2-Dichloroethene	mg/kg	2,300	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	**0.021**	**0.064**	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
Cyclohexane	mg/kg	27,000	0.01 U	0.012 U	N/A	0.01 U	0.0097 U	0.011 U	0.0097 U	0.011 U	0.011 U	0.023 U	0.0098 U	0.0096 U	0.0091 U	0.013 U	0.0091 U	0.0089 U	0.0098 U	0.01 U	0.012 U	0.011 U	0.012 U
Ethylbenzene	mg/kg	25	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 U	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
Isopropylbenzene	mg/kg	9,900	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 U	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
Methyl Acetate	mg/kg	1,200,000	0.052 U	0.06 U	N/A	0.052 U	0.049 U	0.056 U	0.049 U	0.057 U	0.053 U	0.11 U	0.049 U	0.048 U	0.046 U	0.066 U	0.045 U	0.044 UJ	0.049 U	0.052 UJ	0.059 UJ	0.053 U	0.06 U
Methylene Chloride	mg/kg	1,000	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 U	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
Styrene	mg/kg	35,000	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	**0.0063**	**0.011**	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 UJ	0.0049 U	0.0052 UJ	0.0059 UJ	0.0053 U	0.006 U
Tetrachloroethene	mg/kg	100	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	**0.19**	**0.32**	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
Toluene	mg/kg	47,000	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 U	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
trans-1,2-Dichloroethene	mg/kg	23,000	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 U	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
Trichloroethene	mg/kg	6	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	**0.06**	**0.12**	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	**0.037**	**0.0073**
Trichlorofluoromethane	mg/kg	3,100	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 U	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 UJ	0.0049 U	0.0052 UJ	0.0059 UJ	0.0053 U	0.006 U
Vinyl chloride	mg/kg	1.7	0.0052 U	0.006 U	N/A	0.0052 U	0.0049 U	0.0056 U	0.0049 U	0.0057 U	0.0053 U	0.011 U	0.0049 U	0.0048 U	0.0046 U	0.0066 U	0.0045 U	0.0044 U	0.0049 U	0.0052 U	0.0059 U	0.0053 U	0.006 U
Xylenes	mg/kg	2,800	0.016 U	0.018 U	N/A	0.016 U	0.015 U	0.017 U	0.015 U	0.017 U	0.016 U	0.034 U	0.015 U	0.014 U	0.014 U	0.02 U	0.014 U	0.013 U	0.015 U	0.016 U	0.018 U	0.016 U	0.018 U
Semi-Volatile Organic Compounds^																							
1,1-Biphenyl	mg/kg	200	**0.063 J**	**0.028 J**	N/A	0.075 U	0.082 U	0.073 U	0.08 U	**0.023 J**	0.087 U	0.085 U	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	0.076 U	0.083 U	0.075 U	0.077 U	0.081 U	0.086 U
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.074 U	0.072 U	N/A	0.075 U	0.082 U	0.073 U	0.08 U	0.083 U	0.087 U	0.085 U	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	0.076 U	0.083 U	0.075 U	0.077 U	0.081 U	0.086 U
2,4-Dimethylphenol	mg/kg	16,000	0.074 U	**0.014 J**	N/A	0.075 U	0.082 U	0.073 U	0.08 U	0.083 U	0.087 U	0.085 U	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	0.076 R	0.083 U	0.075 U	0.077 U	0.081 U	0.086 U
2-Chloronaphthalene	mg/kg	60,000	0.074 U	0.072 U	N/A	0.075 U	0.082 U	0.073 U	0.08 U	0.083 U	0.087 U	**0.1**	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	0.076 U	0.083 U	0.075 U	0.077 U	0.081 U	0.086 U
2-Methylnaphthalene	mg/kg	3,000	**0.16**	**0.1**	N/A	0.076 U	0.0082 U	0.075 U	0.082 U	**0.032 J**	**0.028 J**	**0.015**	0.008 U	0.0079 U	0.0081 U	**0.004 J**	0.008 U	**0.047 J**	0.0083 U	**0.17**	**0.078**	0.082 U	0.0086 U
2-Methylphenol	mg/kg	41,000	0.074 U	0.072 U	N/A	0.075 U	0.082 U	0.073 U	0.08 U	0.083 U	0.087 U	0.085 U	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	0.076 R	0.083 U	0.075 U	0.077 U	0.081 U	0.086 U
2-Nitroaniline	mg/kg	8,000	0.19 U	0.18 U	N/A	0.19 U	0.21 U	0.18 U	0.2 U	**0.037 J**	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.21 U	0.19 U	0.19 U	0.2 U	0.21 U
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	**0.028 J**	0.14 U	N/A	0.15 U	0.16 U	0.15 U	0.16 U	0.17 U	0.17 U	0.17 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.15 R	0.17 U	0.15 U	0.15 U	0.16 U	0.17 U
4-Nitroaniline	mg/kg	110	0.19 U	0.18 U	N/A	0.19 U	0.21 U	0.18 U	0.2 U	0.21 UJ	0.22 UJ	0.21 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.19 U	0.21 U	0.19 U	0.19 U	0.2 U	0.21 U
Acenaphthene	mg/kg	45,000	**0.029 J**	**0.11**	N/A	0.076 U	0.0082 U	0.075 U	0.082 U	**0.86**	**0.18**	**0.0035 J**	0.008 U	0.0079 U	0.0081 U	**0.0023 J**	0.008 U	**0.082**	**0.003 J**	**0.037 J**	**0.011 J**	**0.0091 J**	0.0086 U
Acenaphthylene	mg/kg	45,000	**0.062 J**	**0.04 J**	N/A	**0.029 J**	0.0082 U	**0.043 J**	**0.0087 J**	**13**	**3.5**	**0.21**	0.008 U	0.0079 U	0.0081 U	**0.0012 J**	0.008 U	**0.023 J**	**0.0013 J**	**0.085**	**0.0086 J**	**0.02 J**	0.0086 U
Acetophenone	mg/kg	120,000	0.074 U	0.072 U	N/A	0.075 U	0.082 U	**0.18**	0.08 U	0.083 U	0.087 U	0.085 U	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	0.076 U	0.083 U	**0.023 J**	**0.021 J**	0.081 U	0.086 U
Anthracene	mg/kg	230,000	**0.23**	**0.41**	N/A	**0.022 J**	0.0082 U	**0.074 J**	**0.012 J**	0.084 U	0.089 U	**0.054**	0.008 U	**0.0012 J**	0.0081 U	**0.01**	0.008 U	**0.21**	**0.011**	**0.31**	**0.038 J**	**0.06 J**	**0.0022 J**
Benz[a]anthracene	mg/kg	21	**0.5**	**0.82**	N/A	**0.056 J**	**0.0016 J**	**0.99**	**0.065 J**	0.084 U	**0.094**	**0.12**	**0.0021 J**	0.0079 U	0.0081 U	**0.033**	**0.0019 J**	**0.81**	**0.052**	**0.85**	**0.17**	**0.2**	**0.0093**
Benzaldehyde	mg/kg	120,000	0.074 U	0.072 U	N/A	**0.037 J**	0.082 U	**0.45**	0.08 U	0.083 U	0.087 U	0.085 U	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	**0.026 J**	0.083 R	0.075 R	**0.063 J**	0.081 U	0.086 U
Benzo[a]pyrene	mg/kg	2.1	**0.35**	**0.66**	**0.47**	**0.051 J**	0.0082 U	**0.76**	**0.051 J**	**0.25**	**0.13**	**0.094**	0.008 U	0.0079 U	0.0081 U	**0.029**	0.008 U	**0.8**	**0.053**	**0.68**	**0.13 J**	**0.18**	**0.0061 J**
Benzo[b]fluoranthene	mg/kg	21	**0.77**	**1.3**	N/A	**0.16**	**0.0022 J**	**2.1**	**0.13**	**0.45**	**0.34**	**0.18**	**0.0021 J**	0.0079 U	0.0081 U	**0.057**	**0.0012 J**	**2**	**0.15**	**1.4**	**0.36 J**	**0.4**	**0.018**
Benzo[g,h,i]perylene	mg/kg		**0.22**	**0.43**	N/A	**0.03 J**	0.0082 U	**0.19**	**0.017 J**	**0.37**	**0.17**	**0.072**	0.008 U	0.0079 U	0.0081 U	**0.018**	0.008 U	**0.59**	**0.051**	**0.29**	**0.07 J**	**0.077 J**	**0.0023 J**
Benzo[k]fluoranthene	mg/kg	210	**0.73**	**1.2**	N/A	**0.13**	**0.0018 J**	**1.8**	**0.11**	**0.39**	**0.3**	**0.16**	**0.0018 J**	0.0079 U	0.0081 U	**0.049**	0.008 U	**2**	**0.14**	**1.4**	**0.34 J**	**0.33**	**0.015**
bis(2-Ethylhexyl)phthalate	mg/kg	160	**0.026 J**	**0.026 J**	N/A	**0.031 J**	0.082 U	**0.44**	0.08 U	0.083 UJ	**0.033 J**	0.085 U	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	0.47 B	**0.018 J**	0.075 UJ	0.077 UJ	0.081 U	0.086 U
Carbazole	mg/kg		**0.051 J**	**0.16**	N/A	0.075 U	0.082 U	**0.095**	0.08 U	0.083 U	0.087 U	0.085 U	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	**0.1 J**	**0.034 J**	**0.026 J**	0.077 UJ	0.081 U	0.086 U
Chrysene	mg/kg	2,100	**0.56**	**0.74**	N/A	**0.045 J**	**0.00088 J**	**0.97**	**0.062 J**	0.084 U	**0.056 J**	**0.1**	**0.0014 J**	0.0079 U	0.0081 U	**0.029**	**0.0014 J**	**1**	**0.073**	**0.9**	**0.17**	**0.17**	**0.0079 J**
Dibenz[a,h]anthracene	mg/kg	2.1	**0.057 J**	**0.12**	N/A	0.076 U	0.0082 U	**0.086**	0.082 U	**0.079 J**	**0.042 J**	**0.017**	0.008 U	0.0079 U	0.0081 U	**0.0058 J**	0.008 U	**0.16**	**0.013**	**0.1**	**0.015 J**	**0.026 J**	**0.0014 J**
Diethylphthalate	mg/kg	660,000	0.074 U	0.072 U	N/A	0.075 U	0.082 U	0.073 U	0.08 U	0.083 U	0.087 U	0.085 U	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	0.076 U	0.083 U	0.075 U	0.077 U	0.081 U	0.086 U
Di-n-butylphthalate	mg/kg	82,000	0.074 U	0.072 U	N/A	0.075 U	0.082 U	**0.021 J**	0.08 U	0.083 U	0.087 U	0.085 U	0.079 U	0.079 U	0.08 U	0.049 B	0.054 B	0.019 B	0.083 U	0.075 U	0.077 UJ	0.081 U	0.086 U
Di-n-octylphthalate	mg/kg	8,200	0.074 U	0.072 U	N/A	0.075 U	0.082 U	0.073 U	0.08 U	0.083 UJ	0.087 UJ	0.085 U	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	0.076 UJ	0.083 U	0.075 UJ	0.077 UJ	0.081 U	0.086 U
Fluoranthene	mg/kg	30,000	**1.2**	**1.8**	N/A	**0.046 J**	**0.0015 J**	**1.2**	**0.095**	**0.018 J**	**0.033 J**	**0.25**	**0.0027 J**	0.0079 U	0.0081 U	**0.068**	**0.0027 J**	**1.5**	**0.089**	**1.7**	**0.3**	**0.34**	**0.012**
Fluorene	mg/kg	30,000	**0.15**	**0.18**	N/A	0.076 U	0.0082 U	0.075 U	0.082 U	0.084 U	0.089 U	**0.0091**	0.008 U	0.0079 U	0.0081 U	**0.0016 J**	0.008 U	**0.07 J**	**0.0023 J**	**0.049 J**	**0.011 J**	**0.0087 J**	0.0086 U
Hexachlorobenzene	mg/kg	0.96	0.074 U	0.072 U	N/A	0.075 U	0.082 U	0.073 U	0.08 U	0.083 U	0.087 U	0.085 U	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	0.076 U	0.083 U	0.075 U	0.077 UJ	0.081 U	0.086 U
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.21**	**0.4**	N/A	**0.026 J**	0.0082 U	**0.19**	**0.014 J**	**0.3**	**0.14**	**0.055**	0.008 U	0.0079 U	0.0081 U	**0.015**	0.008 U	**0.57**	**0.046**	**0.28**	**0.044 J**	**0.067 J**	**0.0021 J**
Naphthalene	mg/kg	17	**0.39**	**0.17**	N/A	0.076 U	0.0082 U	0.075 U	0.082 U	0.057 B	0.05 B	**0.36**	0.008 U	0.0079 U	0.0081 U	**0.0051 J**	0.008 U	0.039 B	0.0083 U	**0.12**	0.042 B	0.082 U	0.0086 U
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.074 U	0.072 U	N/A	0.075 U	0.082 U	0.073 U	0.08 U	0.083 U	0.087 U	0.085 U	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	0.076 U	0.083 U	0.075 U	0.077 U	0.081 U	0.086 U
N-Nitrosodiphenylamine	mg/kg	470	0.074 U	0.072 U	N/A	0.075 U	0.082 U	0.073 U	0.08 U	0.083 U	0.087 U	0.085 U	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	0.076 U	0.083 U	0.075 U	**0.016 J**	0.081 U	0.086 U
Pentachlorophenol	mg/kg	4	0.19 U	0.18 U	N/A	0.19 U	0.21 U	0.18 U	0.2 U	0.21 U	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 R	0.21 U	0.19 U	0.19 UJ	0.2 U	0.21 U
Phenanthrene	mg/kg		**0.66**	**1.4**	N/A	**0.028 J**	**0.002 J**	**0.14**	**0.04 J**	0.084 U	0.089 U	**0.3**	**0.0015 J**	**0.0062 J**	0.0081 U	**0.037**	**0.0019 J**	**0.93**	**0.039**	**1.6**	**0.2**	**0.16**	**0.0052 J**
Phenol	mg/kg	250,000	**0.023 J**	0.072 U	N/A	**0.024 J**	0.082 U	**0.024 J**	0.08 U	0.083 U	0.087 U	0.085 U	0.079 U	0.079 U	0.08 U	0.078 U	0.081 U	0.076 R	0.083 U	0.075 U	0.077 U	0.081 U	0.086 U
Pyrene	mg/kg	23,000	**0.93**	**1.5**	N/A	**0.053 J**	**0.0015 J**	**1.2**	**0.085**	**0.073 J**	**0.061 J**	**0.25**	**0.0021 J**	**0.003 J**	0.0081 U	**0.054**	**0.0023 J**	**1.4**	**0.086**	**1.7**	**0.24**	**0.29**	**0.0096**
PCBs																							
Aroclor 1242	mg/kg	0.97	0.0561 U	N/A	N/A	0.0549 U	N/A	0.0598 U	N/A	0.0637 U	N/A	0.0592 U	N/A	0.0618 U	N/A	0.0638 U	N/A	**0.0502 J**	N/A	0.054 U	N/A	0.0615 U	N/A
Aroclor 1248	mg/kg	0.94	0.0561 U	N/A	N/A	**0.16**	N/A	0.0598 U	N/A	0.0637 U	N/A	0.0592 U	N/A	0.0618 U	N/A	0.0638 U	N/A	0.0593 U	N/A	0.054 U	N/A	0.0615 U	N/A
Aroclor 1254	mg/kg	0.97	**0.0294 J**	N/A	N/A	**0.216**	N/A	**0.132**	N/A	0.0637 U	N/A	0.0592 U	N/A	0.0618 U	N/A	0.0638 U	N/A	0.0593 U	N/A	0.054 U	N/A	0.0615 U	N/A
Aroclor 1260	mg/kg	0.99	0.0561 U	N/A	N/A	0.0549 U	N/A	0.0598 U	N/A	0.0637 U	N/A	0.0592 U	N/A	0.0618 U	N/A	0.0638 U	N/A	0.0593 U	N/A	0.054 U	N/A	0.0615 U	N/A
Aroclor 1262	mg/kg		**0.0658**	N/A	N/A	**0.22**	N/A	**0.187**	N/A	0.0637 U	N/A	0.0592 U	N/A	0.0618 U	N/A	0.0638 U	N/A	**0.158**	N/A	0.054 U	N/A	0.0615 U	N/A
Aroclor 1268	mg/kg		0.0561 U	N/A	N/A	0.0549 U	N/A	0.0598 U	N/A	0.0637 U	N/A	0.0592 U	N/A	0.0618 U	N/A	0.0638 U	N/A	0.0593 U	N/A	0.054 U	N/A	0.0615 U	N/A
PCBs (total)	mg/kg	0.97	**0.0952**	N/A	N/A	**0.596**	N/A	**0.319**	N/A	0.0637 U	N/A	0.0592 U	N/A	0.0618 U	N/A	0.0638 U	N/A	**0.2082**	N/A	0.054 U	N/A	0.0615 U	N/A
TPH																							
Diesel Range Organics	mg/kg	6,200	**268**	**366**	N/A	**136**	**3.4 J**	**274**	**24.8**	**4,590 J**	**1,720 J**	**26.3 J**	8 UJ	**11.6 J**	8.1 UJ	**10.5**	**17.7**	**372 J**	**10 J**	**813 J**	**5,490 J**	**22.5**	**5.5 J**
Gasoline Range Organics	mg/kg	6,200	11.8 U	10.1 U	N/A	13.3 U	9.6 U	10.8 U	9.9 U	12.2 U	11.4 U	25.7 U	10.9 U	9.8 U	10.4 U	11.2 U	10.1 U	10.3 U	8.3 U	10.6 U	11.3 U	10.2 U	10.8 U

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-110-SB-1*	B22-110-SB-4*	B22-111-SB-1*	B22-111-SB-8*	B22-112-SB-1*	B22-112-SB-4*	B22-112-SB-10*	B22-113-SB-1*	B22-113-SB-4*	B22-114-SB-1*	B22-114-SB-8*	B22-115-SB-1	B22-115-SB-8.5	B22-116-SB-1*	B22-116-SB-8.5*	B22-117-SB-1*	B22-117-SB-4*	B22-117-SB-10	B22-118-SB-1*	B22-118-SB-9*	B22-118-SB-10*
Volatile Organic Compounds																							
1,1,1-Trichloroethane	mg/kg	36,000	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.072 U	0.065 U	0.06 U	0.048 U	0.054 U	0.052 U	N/A	0.048 U	**0.0091 J**	0.046 U	0.051 U	0.051 U	0.048 U	0.074 U	0.055 U	0.05 U	0.057 U	N/A	0.045 U	0.057 U	N/A
1,1,2-Trichloroethane	mg/kg	5	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
1,1-Dichloroethane	mg/kg	16	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
1,1-Dichloroethene	mg/kg	1,000	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
1,2,3-Trichlorobenzene	mg/kg	930	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
1,2,4-Trichlorobenzene	mg/kg	110	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
1,2-Dichloroethane	mg/kg	2	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
1,2-Dichloroethene (Total)	mg/kg	2,300	0.014 U	0.013 U	0.012 U	0.0096 U	0.011 U	**0.0093 J**	N/A	0.0096 U	0.016 U	0.0091 U	0.01 U	0.01 U	0.0096 U	0.015 U	**0.059**	0.0099 U	0.011 U	N/A	0.009 U	0.011 U	N/A
1,4-Dichlorobenzene	mg/kg	11	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
1,4-Dioxane	mg/kg	24	0.14 U	0.13 U	0.12 U	0.096 U	0.11 U	0.1 U	N/A	0.096 U	0.16 U	0.091 U	0.1 U	0.1 R	0.096 R	0.15 U	0.11 U	0.099 U	0.11 U	N/A	0.09 U	0.11 U	N/A
2-Butanone (MEK)	mg/kg	190,000	**0.1**	**0.006 J**	0.012 U	0.0096 U	0.011 U	0.01 U	N/A	0.0096 U	0.016 U	**0.003 J**	0.01 U	0.01 U	**0.0026 J**	**0.0061 J**	**0.0027 J**	0.0099 U	**0.0028 J**	N/A	0.009 U	0.011 U	N/A
2-Hexanone	mg/kg	1,300	**0.019**	0.013 U	0.012 U	0.0096 U	0.011 U	0.01 U	N/A	0.0096 U	0.016 U	0.0091 U	0.01 U	0.01 U	0.0096 U	0.015 U	0.011 U	0.0099 U	0.011 U	N/A	0.009 U	0.011 U	N/A
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	**0.0069 J**	0.013 U	0.012 U	0.0096 U	0.011 U	0.01 U	N/A	0.0096 U	0.016 U	0.0091 U	0.01 U	0.01 U	0.0096 U	0.015 U	0.011 U	0.0099 U	0.011 U	N/A	0.009 U	0.011 U	N/A
Acetone	mg/kg	670,000	**0.37**	**0.0079 J**	0.012 U	0.0096 U	0.011 U	0.01 U	N/A	0.0096 U	0.016 U	**0.026**	0.01 U	0.01 U	**0.0095 J**	0.015 U	0.011 U	0.0099 U	0.011 U	N/A	**0.0089 J**	**0.0071 J**	N/A
Benzene	mg/kg	5.1	**0.0046 J**	**0.0019 J**	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	**0.0059**	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
Chlorobenzene	mg/kg	1,300	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
Chloroethane	mg/kg	57,000	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
Chloroform	mg/kg	1.4	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
cis-1,2-Dichloroethene	mg/kg	2,300	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	**0.0071**	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	**0.055**	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
Cyclohexane	mg/kg	27,000	0.014 U	0.013 U	0.012 U	0.0096 U	0.011 U	0.01 U	N/A	0.0096 U	0.016 U	0.0091 U	0.01 U	0.01 U	0.0096 U	0.015 U	0.011 U	0.0099 U	0.011 U	N/A	0.009 U	0.011 U	N/A
Ethylbenzene	mg/kg	25	**0.0069 J**	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
Isopropylbenzene	mg/kg	9,900	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
Methyl Acetate	mg/kg	1,200,000	**0.0085 J**	0.065 U	0.06 U	0.048 U	0.054 U	0.052 U	N/A	0.048 U	0.08 U	0.046 U	0.051 U	0.051 U	0.048 U	0.074 U	0.055 U	0.05 U	0.057 U	N/A	0.045 U	0.057 U	N/A
Methylene Chloride	mg/kg	1,000	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
Styrene	mg/kg	35,000	**0.065**	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
Tetrachloroethene	mg/kg	100	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	**0.0044 J**	0.0057 U	N/A
Toluene	mg/kg	47,000	**0.0029 J**	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
trans-1,2-Dichloroethene	mg/kg	23,000	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	**0.0035 J**	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
Trichloroethene	mg/kg	6	**0.02**	0.0065 U	0.006 U	0.0048 U	**0.016**	**4.3**	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
Trichlorofluoromethane	mg/kg	3,100	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 UJ	0.0048 UJ	0.0074 U	0.0055 U	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
Vinyl chloride	mg/kg	1.7	0.0072 U	0.0065 U	0.006 U	0.0048 U	0.0054 U	0.0052 U	N/A	0.0048 U	0.008 U	0.0046 U	0.0051 U	0.0051 U	0.0048 U	0.0074 U	**0.014**	0.005 U	0.0057 U	N/A	0.0045 U	0.0057 U	N/A
Xylenes	mg/kg	2,800	0.022 U	0.02 U	0.018 U	0.014 U	0.016 U	0.016 U	N/A	0.014 U	0.024 U	0.014 U	0.015 U	0.015 U	0.014 U	0.022 U	**0.0046 J**	0.015 U	0.017 U	N/A	0.014 U	0.017 U	N/A
Semi-Volatile Organic Compounds^																							
1,1-Biphenyl	mg/kg	200	0.074 U	**0.05 J**	0.075 U	0.082 U	0.075 U	**0.015 J**	N/A	0.076 U	**0.044 J**	0.072 U	0.084 U	0.084 U	**0.48 J**	0.074 U	**5.7**	**0.033 J**	**0.17**	N/A	**0.027 J**	**0.016 J**	N/A
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.074 U	0.077 U	0.075 U	0.082 U	0.075 U	0.072 U	N/A	0.076 U	0.072 U	0.072 U	0.084 U	0.084 U	0.08 U	0.074 U	0.079 U	0.072 U	0.074 U	N/A	0.075 U	0.071 U	N/A
2,4-Dimethylphenol	mg/kg	16,000	0.074 U	0.077 U	0.075 U	0.082 U	0.075 U	0.072 U	N/A	0.076 U	0.072 U	0.072 U	0.084 U	0.084 R	0.08 U	0.074 U	0.079 U	0.072 U	0.074 U	N/A	0.075 U	0.071 U	N/A
2-Chloronaphthalene	mg/kg	60,000	0.074 U	0.077 U	0.075 U	0.082 U	0.075 U	0.072 U	N/A	0.076 U	0.072 U	0.072 U	0.084 U	0.084 U	0.08 U	0.074 U	0.079 U	0.072 U	0.074 U	N/A	0.075 U	0.071 U	N/A
2-Methylnaphthalene	mg/kg	3,000	**0.02 J**	**0.12**	**0.0062 J**	0.0082 U	**0.021 J**	0.073 U	N/A	**0.011**	**0.2**	**0.022**	**0.055**	**0.013**	**0.61**	**0.0083**	0.0081 U	**0.097**	**0.56**	**0.024**	**0.029**	**0.11**	N/A
2-Methylphenol	mg/kg	41,000	0.074 U	0.077 U	0.075 U	0.082 U	0.075 U	0.072 U	N/A	0.076 U	0.072 U	0.072 U	0.084 U	0.084 R	0.08 U	0.074 U	0.079 U	0.072 U	0.074 U	N/A	0.075 U	0.071 U	N/A
2-Nitroaniline	mg/kg	8,000	0.19 U	0.19 U	0.19 U	0.21 U	0.19 U	0.18 U	N/A	0.19 U	0.18 U	0.18 U	0.21 U	0.21 U	0.2 U	0.19 U	0.2 U	0.18 U	0.18 U	N/A	0.19 U	0.18 U	N/A
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.15 U	**1.5**	0.15 U	0.16 U	0.15 U	0.14 U	N/A	0.15 U	0.14 U	0.14 U	0.17 U	0.17 R	0.16 U	0.15 U	**0.035 J**	0.14 U	**0.022 J**	N/A	0.15 U	0.14 U	N/A
4-Nitroaniline	mg/kg	110	0.19 U	0.19 U	0.19 U	0.21 U	**0.69**	0.18 U	N/A	0.19 U	0.18 U	0.18 U	0.21 U	0.21 U	0.2 U	0.19 U	0.2 U	0.18 U	0.18 U	N/A	0.19 U	0.18 U	N/A
Acenaphthene	mg/kg	45,000	**0.0093 J**	**0.014 J**	**0.0017 J**	**0.00083 J**	**0.011 J**	**0.0085 J**	N/A	**0.0039 J**	**0.016 J**	**0.0046 J**	**0.052**	**0.0028 J**	**0.72**	**0.042**	0.0081 U	**0.042 J**	**0.16**	**0.0055 J**	**0.031**	**0.049**	N/A
Acenaphthylene	mg/kg	45,000	**0.034 J**	**0.11**	**0.0031 J**	0.0082 U	**0.05 J**	**0.05 J**	N/A	**0.0013 J**	**0.017 J**	**0.0098**	**0.023**	**0.009**	**0.042 J**	**0.014**	0.0081 U	**0.18**	**1.7**	**0.011**	**0.37**	**0.31**	N/A
Acetophenone	mg/kg	120,000	**1.9**	0.077 U	0.075 U	0.082 U	0.075 U	0.072 U	N/A	0.076 U	0.072 U	0.072 U	0.084 U	0.084 U	0.08 U	0.074 U	0.079 U	0.072 U	0.074 U	N/A	0.075 U	0.071 U	N/A
Anthracene	mg/kg	230,000	**0.056 J**	**0.17**	**0.013**	**0.0062 J**	0.08 B	**0.14**	N/A	**0.01**	**0.097**	**0.023**	**0.072**	**0.0053 J**	**0.92**	**0.21**	**0.019**	**0.36**	**3.7**	**0.047**	**0.45**	**0.6**	N/A
Benz[a]anthracene	mg/kg	21	**0.12**	**0.53**	**0.051**	**0.0038 J**	**0.4**	**0.61**	N/A	0.018 B	**0.57**	**0.048**	**0.14**	**0.022**	**1.4**	**0.97**	**0.065**	**1.5**	**13.4**	**0.16**	**2.3**	**1.9**	N/A
Benzaldehyde	mg/kg	120,000	**0.35**	**0.12**	0.075 U	0.082 U	0.075 U	0.072 U	N/A	**0.022 J**	**0.063 J**	0.072 U	0.084 U	0.084 R	0.08 R	0.074 U	0.079 U	0.072 U	**0.021 J**	N/A	0.075 U	0.071 U	N/A
Benzo[a]pyrene	mg/kg	2.1	**0.17**	**0.54**	**0.038**	**0.0023 J**	**0.4**	**0.56**	**0.068 J**	**0.014**	**0.66**	**0.035**	**0.15**	**0.026**	**1.5**	**0.77**	**0.056**	**1.2**	**10.7**	**0.15**	**1.7**	N/A	**0.27**
Benzo[b]fluoranthene	mg/kg	21	**0.51**	**1.2**	**0.12**	**0.006 J**	**1**	**1.4**	N/A	**0.034**	**1.5**	**0.09**	**0.37**	**0.044**	**1.8**	**1.3**	**0.14**	**2.7**	**20.7**	**0.33**	**3.8**	**2.2**	N/A
Benzo[g,h,i]perylene	mg/kg		**0.1**	**0.19**	**0.038**	0.0082 U	**0.11**	**0.14**	N/A	**0.0044 J**	**0.21**	**0.015**	**0.055**	**0.026**	**0.96**	**0.22**	**0.022**	**0.85**	**5.8**	**0.073**	**0.77**	**0.58**	N/A
Benzo[k]fluoranthene	mg/kg	210	**0.43**	**0.98**	**0.1**	**0.0052 J**	**0.87**	**1.3**	N/A	**0.03**	**1.3**	**0.075**	**0.3**	**0.02**	**0.86**	**1.5**	**0.11**	**2.6**	**20.3**	**0.28**	**0.92**	**0.96**	N/A
bis(2-Ethylhexyl)phthalate	mg/kg	160	**1.6**	0.077 U	**0.018 J**	**0.064 J**	0.075 U	**0.015 J**	N/A	**1.4**	0.072 U	**0.051 J**	0.084 U	0.017 B	0.08 UJ	**0.022 J**	0.079 U	0.072 U	**0.032 J**	N/A	**0.051 J**	0.071 U	N/A
Carbazole	mg/kg		**0.02 J**	**0.035 J**	0.075 U	0.082 U	**0.03 J**	**0.091**	N/A	0.076 U	**0.051 J**	0.072 U	0.084 U	0.084 U	**0.63 J**	**0.044 J**	**0.019 J**	**0.072**	**1.2**	N/A	**0.33**	**0.17**	N/A
Chrysene	mg/kg	2,100	**0.27**	**0.5**	**0.065**	**0.0064 J**	**0.33**	**0.54**	N/A	**0.041**	**0.55**	**0.051**	**0.18**	**0.036**	**1.6**	**0.86**	**0.083**	**1.5**	**12.5**	**0.18**	**2**	**1.9**	N/A
Dibenz[a,h]anthracene	mg/kg	2.1	**0.034 J**	**0.078**	**0.011**	0.0082 U	**0.047 J**	**0.06 J**	N/A	**0.0015 J**	**0.072 J**	**0.0053 J**	**0.021**	**0.0052 J**	**0.23**	**0.11**	**0.0093**	**0.27**	**2.1**	**0.029**	**0.31**	**0.31**	**0.057**
Diethylphthalate	mg/kg	660,000	0.074 U	0.077 U	0.075 U	0.082 U	0.075 U	0.072 U	N/A	0.076 U	0.072 U	0.072 U	0.084 U	0.084 U	0.08 U	0.074 U	0.079 U	0.072 U	0.074 U	N/A	0.075 U	0.071 U	N/A
Di-n-butylphthalate	mg/kg	82,000	**0.92**	0.077 U	0.029 B	0.089 B	0.075 U	0.072 U	N/A	0.076 U	0.072 U	0.072 U	0.084 U	0.084 U	0.043 B	0.074 U	0.079 U	0.072 U	0.074 U	N/A	0.075 U	0.071 U	N/A
Di-n-ocytlphthalate	mg/kg	8,200	**0.27**	0.077 U	0.075 U	0.082 U	0.075 U	0.072 U	N/A	0.076 U	0.072 U	0.072 U	0.084 U	0.084 UJ	0.08 UJ	0.074 U	0.079 U	**0.046 J**	0.074 U	N/A	0.075 U	0.071 U	N/A
Fluoranthene	mg/kg	30,000	**0.35**	**0.74**	**0.092**	**0.025**	**0.52**	**1**	N/A	**0.037**	**0.77**	**0.13**	**0.27**	**0.036**	**3.1**	**1.3**	**0.13**	**2.7**	**25.9**	**0.21**	**4.2**	**3.7**	N/A
Fluorene	mg/kg	30,000	**0.012 J**	**0.023 J**	**0.002 J**	0.0082 U	**0.0083 J**	**0.012 J**	N/A	**0.0038 J**	**0.017 J**	**0.0041 J**	**0.082**	**0.0055 J**	**0.7**	**0.062**	**0.017**	**0.071 J**	**1.6**	**0.0082**	**0.075**	**0.3**	N/A
Hexachlorobenzene	mg/kg	0.96	0.074 U	0.077 U	0.075 U	0.082 U	0.075 U	0.072 U	N/A	0.076 U	0.072 U	0.072 U	0.084 U	0.084 U	0.08 U	0.074 U	0.079 U	0.072 U	0.074 U	N/A	0.075 U	0.071 U	N/A
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.079**	**0.21**	**0.033**	0.0082 U	**0.13**	**0.17**	N/A	**0.0035 J**	**0.19**	**0.015**	**0.056**	**0.022 J**	**0.89 J**	**0.24**	**0.022**	**0.83**	**6.2**	**0.072**	**0.81**	**0.74**	N/A
Naphthalene	mg/kg	17	**0.02 J**	**0.24**	**0.0068 J**	0.0082 U	**0.045 J**	**0.049 J**	N/A	**0.0045 J**	**0.19**	**0.027**	**0.12**	**0.061**	**0.92**	**0.0067 J**	**0.065**	**0.26**	**1.1**	**0.11**	**0.062**	**0.34**	N/A
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.074 U	0.077 U	0.075 U	0.082 U	0.075 U	0.072 U	N/A	0.076 U	0.072 U	0.072 U	0.084 U	0.084 U	0.08 U	0.074 U	0.079 U	0.072 U	0.074 U	N/A	0.075 U	0.071 U	N/A
N-Nitrosodiphenylamine	mg/kg	470	0.074 U	0.077 U	0.075 U	0.082 U	0.075 U	0.072 U	N/A	0.076 U	0.072 U	0.072 U	0.084 U	0.084 U	0.08 U	0.074 U	0.079 U	0.072 U	0.074 U	N/A	0.075 U	0.071 U	N/A
Pentachlorophenol	mg/kg	4	0.19 U	0.19 U	0.19 U	0.21 U	0.19 U	0.18 U	N/A	0.19 U	0.18 U	0.18 U	0.21 U	0.21 R	**0.058 J**	0.19 U	0.2 U	0.18 U	0.18 U	N/A	0.19 U	0.18 U	N/A
Phenanthrene	mg/kg		**0.18**	**0.33**	**0.044**	**0.0042 J**	0.18 B	**0.43**	N/A	**0.047**	**0.43**	**0.12**	**0.28**	**0.026**	**3.5**	**0.75**	**0.1**	**1.4**	**13.6**	**0.15**	**1.4**	**2**	N/A
Phenol	mg/kg	250,000	**0.22**	**0.035 J**	0.075 U	0.082 U	0.075 U	0.072 U	N/A	0.076 U	0.072 U	0.072 U	0.084 U	0.084 R	0.08 U	0.074 U	**0.045 J**	0.072 U	**0.037 J**	N/A	0.075 U	0.071 U	N/A
Pyrene	mg/kg	23,000	**0.38**	**0.59**	**0.078**	**0.019**	**0.43**	**0.74**	N/A	**0.053**	**0.71**	**0.11**	**0.26**	**0.042**	**2.6**	**1.3**	**0.11**	**2.8**	**20.5**	**0.19**	**3.3**	**2.7**	N/A
PCBs																							
Aroclor 1242	mg/kg	0.97	0.0562 U	N/A	0.0592 U	N/A	0.0556 U	N/A	N/A	0.0552 U	N/A	0.0515 U	N/A	0.0578 U	N/A	0.0553 U	N/A	0.0546 U	N/A	N/A	0.0642 U	N/A	N/A
Aroclor 1248	mg/kg	0.94	**1.12**	N/A	0.0592 U	N/A	0.0556 U	N/A	N/A	0.0552 U	N/A	0.0515 U	N/A	0.0578 U	N/A	0.0553 U	N/A	0.0546 U	N/A	N/A	0.0642 U	N/A	N/A
Aroclor 1254	mg/kg	0.97	**0.347**	N/A	0.0592 U	N/A	0.0556 U	N/A	N/A	0.0552 U	N/A	0.0515 U	N/A	0.0578 U	N/A	0.0553 U	N/A	**0.0681**	N/A	N/A	0.0642 U	N/A	N/A
Aroclor 1260	mg/kg	0.99	0.0562 U	N/A	0.0592 U	N/A	0.0556 U	N/A	N/A	0.0552 U	N/A	0.0515 U	N/A	0.0578 U	N/A	0.0553 U	N/A	0.0546 U	N/A	N/A	0.0642 U	N/A	N/A
Aroclor 1262	mg/kg		**1.19**	N/A	0.0592 U	N/A	0.0556 U	N/A	N/A	0.0552 U	N/A	0.0515 U	N/A	0.0578 U	N/A	**0.0268 J**	N/A	**0.041 J**	N/A	N/A	0.0642 U	N/A	N/A
Aroclor 1268	mg/kg		0.0562 U	N/A	0.0592 U	N/A	**0.158**	N/A	N/A	**0.0998**	N/A	0.0515 U	N/A	0.0578 U	N/A	0.0553 U	N/A	0.0546 U	N/A	N/A	0.0642 U	N/A	N/A
PCBs (total)	mg/kg	0.97	**2.657**	N/A	0.0592 U	N/A	**0.158**	N/A	N/A	**0.0998**	N/A	0.0515 U	N/A	0.0578 U	N/A	**0.0268 J**	N/A	**0.1091**	N/A	N/A	0.0642 U	N/A	N/A
TPH																							
Diesel Range Organics	mg/kg	6,200	**567**	**97.6**	**147**	**19.5**	**65.4**	**72**	N/A	**45**	**48**	**54.8**	**324**	**152 J**	**232 J**	**104**	**321**	**328**	**417**	N/A	**334**	**46**	N/A
Gasoline Range Organics	mg/kg	6,200	**8 J**	14.4 U	5.2 U	9.7 U	12 U	11.3 U	N/A	10.5 U	15.1 U	10.7 U	10.5 U	11.6 U	**34.7**	14.4 U	8.6 U	11.5 U	11.4 U	N/A	11.8 U	10.5 U	N/A

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-119-SB-1	B22-119-SB-9	B22-119-SB-10*	B22-120-SB-1*	B22-120-SB-8*	B22-121-SB-1*	B22-121-SB-9*	B22-121-SB-10*	B22-122-SB-1	B22-123-SB-1	B22-124-SB-1	B22-124-SB-4	B22-125-SB-1*	B22-125-SB-4*	B22-125-SB-10	B22-126-SB-1*	B22-126-SB-6*	B22-127-SB-1*	B22-127-SB-7*	B22-128-SB-1	B22-129-SB-1
Volatile Organic Compounds																							
1,1,1-Trichloroethane	mg/kg	36,000	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	**0.059**	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.056 U	0.07 U	N/A	0.053 U	0.056 U	0.049 U	0.061 U	N/A	0.084 U	0.061 UJ	0.065 UJ	0.06 UJ	0.049 U	0.052 U	N/A	0.069 U	0.054 U	0.056 U	0.054 U	0.051 U	0.054 U
1,1,2-Trichloroethane	mg/kg	5	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
1,1-Dichloroethane	mg/kg	16	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	**0.0094**	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	**0.004 J**	0.0051 U	0.0054 U
1,1-Dichloroethene	mg/kg	1,000	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
1,2,3-Trichlorobenzene	mg/kg	930	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
1,2,4-Trichlorobenzene	mg/kg	110	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
1,2-Dichloroethane	mg/kg	2	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
1,2-Dichloroethene (Total)	mg/kg	2,300	0.011 U	0.014 U	N/A	0.011 U	0.011 U	0.0097 U	0.012 U	N/A	0.017 U	0.012 U	0.013 U	0.012 U	0.0098 U	0.01 U	N/A	0.014 U	0.011 U	0.011 U	0.011 U	0.01 U	0.011 U
1,4-Dichlorobenzene	mg/kg	11	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
1,4-Dioxane	mg/kg	24	0.11 R	0.14 R	N/A	0.11 U	0.11 U	0.097 U	0.12 U	N/A	0.17 R	0.12 R	0.13 R	0.12 R	0.098 U	0.1 U	N/A	0.14 U	0.11 U	0.11 U	0.11 U	0.1 R	0.11 R
2-Butanone (MEK)	mg/kg	190,000	0.011 U	**0.0061 J**	N/A	0.011 U	0.011 U	0.0097 U	**0.0056 J**	N/A	0.017 U	0.012 U	0.013 U	0.012 U	0.0098 U	0.01 U	N/A	0.014 U	**0.0046 J**	0.011 U	**0.0089 J**	0.01 U	0.011 U
2-Hexanone	mg/kg	1,300	0.011 U	0.014 U	N/A	0.011 U	0.011 U	0.0097 U	0.012 U	N/A	0.017 U	0.012 U	0.013 U	0.012 U	0.0098 U	0.01 U	N/A	0.014 U	0.011 U	0.011 U	0.011 U	0.01 U	0.011 U
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.011 U	0.014 U	N/A	0.011 U	0.011 U	0.0097 U	0.012 U	N/A	0.017 U	0.012 UJ	0.013 UJ	0.012 UJ	0.0098 U	0.01 U	N/A	0.014 U	0.011 U	0.011 U	0.011 U	0.01 U	0.011 U
Acetone	mg/kg	670,000	0.011 U	**0.023 J**	N/A	0.011 U	0.011 U	0.0097 U	**0.022**	N/A	0.017 U	**0.016**	0.013 U	0.012 U	0.0098 U	0.01 U	N/A	0.014 U	**0.031**	0.011 U	**0.037**	**0.0097 J**	**0.013**
Benzene	mg/kg	5.1	0.0056 U	**3.9 J**	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
Chlorobenzene	mg/kg	1,300	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
Chloroethane	mg/kg	57,000	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
Chloroform	mg/kg	1.4	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
cis-1,2-Dichloroethene	mg/kg	2,300	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
Cyclohexane	mg/kg	27,000	0.011 U	0.014 U	N/A	0.011 U	0.011 U	0.0097 U	0.012 U	N/A	0.017 U	0.012 U	0.013 U	0.012 U	0.0098 U	0.01 U	N/A	0.014 U	0.011 U	0.011 U	0.011 U	0.01 U	0.011 U
Ethylbenzene	mg/kg	25	0.0056 U	**0.096 J**	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
Isopropylbenzene	mg/kg	9,900	0.0056 U	**0.018**	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
Methyl Acetate	mg/kg	1,200,000	0.056 U	0.07 U	N/A	0.053 U	0.056 U	0.049 U	0.061 U	N/A	0.084 U	0.061 UJ	0.065 UJ	0.06 UJ	0.049 U	0.052 U	N/A	0.069 U	0.054 U	0.056 U	0.054 U	0.051 U	0.054 U
Methylene Chloride	mg/kg	1,000	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
Styrene	mg/kg	35,000	0.0056 U	**0.032 J**	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
Tetrachloroethene	mg/kg	100	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	**0.0056 J**	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
Toluene	mg/kg	47,000	0.0056 U	**1.4 J**	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0027 B	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
trans-1,2-Dichloroethene	mg/kg	23,000	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
Trichloroethene	mg/kg	6	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
Trichlorofluoromethane	mg/kg	3,100	0.0056 UJ	0.007 UJ	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
Vinyl chloride	mg/kg	1.7	0.0056 U	0.007 U	N/A	0.0053 U	0.0056 U	0.0049 U	0.0061 U	N/A	0.0084 U	0.0061 U	0.0065 U	0.006 U	0.0049 U	0.0052 U	N/A	0.0069 U	0.0054 U	0.0056 U	0.0054 U	0.0051 U	0.0054 U
Xylenes	mg/kg	2,800	0.017 U	**0.75 J**	N/A	0.016 U	0.017 U	0.015 U	0.018 U	N/A	0.025 U	0.018 U	0.02 U	0.018 U	0.015 U	0.016 U	N/A	0.021 U	0.016 U	0.017 U	0.016 U	0.015 U	0.016 U
Semi-Volatile Organic Compounds^																							
1,1-Biphenyl	mg/kg	200	0.07 U	**0.18 J**	N/A	**0.055 J**	**0.023 J**	**0.017 J**	**0.025 J**	N/A	**0.79 J**	**0.035 J**	0.078 U	**0.051 J**	0.074 U	**0.059 J**	N/A	0.081 U	0.084 U	0.073 U	0.085 U	0.073 U	0.074 U
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.07 U	0.099 U	N/A	0.07 U	0.08 U	0.07 U	0.081 U	N/A	0.077 U	**0.041 J**	0.078 U	0.075 U	0.074 U	0.083 U	N/A	0.081 U	0.084 U	0.073 U	0.085 U	0.073 U	0.074 U
2,4-Dimethylphenol	mg/kg	16,000	0.07 U	**0.96**	N/A	0.07 U	0.08 U	0.07 U	0.081 U	N/A	**0.065 J**	0.072 R	0.078 U	0.075 U	0.074 U	0.083 U	N/A	0.081 U	0.084 U	0.073 U	0.085 U	0.073 R	0.074 R
2-Chloronaphthalene	mg/kg	60,000	0.07 U	0.099 U	N/A	0.07 U	0.08 U	0.07 U	0.081 U	N/A	0.077 U	**0.055 J**	0.078 U	0.075 U	0.074 U	0.083 U	N/A	0.081 U	0.084 U	0.073 U	0.085 U	0.073 U	0.074 U
2-Methylnaphthalene	mg/kg	3,000	0.072 U	**1.7**	N/A	**0.069 J**	0.081 U	**0.11**	**0.061 J**	N/A	**1.5**	**0.039 J**	**0.045 J**	**0.31**	**0.068 J**	**0.2**	N/A	**0.08 J**	0.0084 U	**0.062 J**	0.0085 U	0.074 U	0.075 U
2-Methylphenol	mg/kg	41,000	0.07 U	**1.5**	N/A	0.07 U	0.08 U	0.07 U	0.081 U	N/A	0.077 U	0.072 R	0.078 U	0.075 U	0.074 U	0.083 U	N/A	0.081 U	0.084 U	0.073 U	0.085 U	0.073 R	0.074 R
2-Nitroaniline	mg/kg	8,000	0.18 U	0.25 U	N/A	0.17 U	0.2 U	0.17 U	0.2 U	N/A	0.19 U	0.18 U	0.19 U	0.19 U	0.19 U	0.21 U	N/A	0.2 U	0.21 U	0.18 U	0.21 U	0.18 U	0.19 U
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.14 U	**1.4 J**	N/A	0.14 U	0.16 U	0.14 U	**0.057 J**	N/A	0.15 U	0.14 R	0.16 U	0.15 U	0.15 U	0.17 U	N/A	0.16 U	0.17 U	0.15 U	0.17 U	0.15 R	0.15 R
4-Nitroaniline	mg/kg	110	0.18 U	0.25 U	N/A	0.17 U	0.2 U	0.17 U	0.2 U	N/A	0.19 UJ	0.18 UJ	0.19 UJ	0.19 UJ	0.19 U	0.21 U	N/A	0.2 U	0.21 U	0.18 U	0.21 U	0.18 UJ	0.19 UJ
Acenaphthene	mg/kg	45,000	0.072 U	**0.38 J**	N/A	**0.015 J**	**0.11**	**0.027**	**0.1**	N/A	**0.062 J**	**0.15**	**0.01 J**	**0.018 J**	**0.012 J**	**0.045 J**	N/A	**0.0073 J**	0.0084 U	**0.0072 J**	**0.0046 J**	0.074 U	0.075 U
Acenaphthylene	mg/kg	45,000	**0.011 J**	**0.72 J**	N/A	**0.58**	**0.026 J**	**0.052**	**0.054 J**	N/A	**0.37**	**0.019 J**	**0.012 J**	**0.034 J**	**0.037 J**	**0.074 J**	N/A	**0.025 J**	0.0084 U	**0.017 J**	0.0085 U	0.074 U	0.075 U
Acetophenone	mg/kg	120,000	0.07 U	0.099 U	N/A	0.07 U	0.08 U	0.07 U	0.081 U	N/A	**0.53 J**	0.072 U	**0.063 J**	0.075 U	0.074 U	0.083 U	N/A	0.081 U	0.084 U	0.073 U	0.085 U	0.073 U	0.074 U
Anthracene	mg/kg	230,000	**0.025 J**	**0.42 J**	N/A	**0.21**	**0.68**	**0.13**	**0.21**	N/A	**0.18**	**0.55**	**0.045 J**	**0.089**	**0.047 J**	**0.27**	N/A	**0.052 J**	**0.00081 J**	**0.024 J**	**0.001 J**	**0.0073 J**	**0.007 J**
Benz[a]anthracene	mg/kg	21	**0.2**	**0.35 J**	N/A	**0.51**	**1.5**	**0.52**	**0.43**	N/A	**0.94**	**1**	**0.2**	**0.32**	**0.24**	**1**	N/A	**0.13**	**0.0034 J**	**0.1**	**0.0019 J**	**0.039 J**	**0.02 J**
Benzaldehyde	mg/kg	120,000	0.07 R	0.099 R	N/A	**0.017 J**	0.08 U	**0.021 J**	**0.023 J**	N/A	**0.83 J**	**0.074 J**	**0.26 J**	**0.071 J**	0.074 U	**0.066 J**	N/A	**0.37**	0.084 U	**0.019 J**	0.085 U	**0.017 J**	0.074 R
Benzo[a]pyrene	mg/kg	2.1	**0.16**	**0.26 J**	**84.9**	**0.57**	**1.3**	**0.47**	**0.39**	**0.9**	**0.53**	**0.91**	**0.18**	**0.36**	**0.38**	**0.87**	0.0082 U	**0.1**	**0.0018 J**	**0.11**	0.0085 U	**0.039 J**	**0.016 J**
Benzo[b]fluoranthene	mg/kg	21	**0.4**	**0.57 J**	N/A	**1.3**	**2.8**	**1.1**	**0.86**	N/A	**1.5**	**2**	**0.42**	**1**	**0.85**	**1.9**	N/A	**0.19**	**0.0042 J**	**0.23**	**0.0012 J**	**0.13**	**0.062 J**
Benzo[g,h,i]perylene	mg/kg		**0.058 J**	**0.082 J**	N/A	**0.36**	**0.42**	**0.16**	**0.15**	N/A	**0.19**	**0.26**	**0.07 J**	**0.17**	**0.16**	**0.31**	N/A	**0.021 J**	**0.0014 J**	**0.078**	0.0085 U	**0.042 J**	**0.022 J**
Benzo[k]fluoranthene	mg/kg	210	**0.33**	**0.47 J**	N/A	**1.1**	**2.3**	**0.92**	**0.71**	N/A	**1.3**	**1.8**	**0.35**	**0.88**	**0.81**	**1.8**	N/A	**0.083**	**0.004 J**	**0.22**	0.0085 U	**0.11**	**0.055 J**
bis(2-Ethylhexyl)phthalate	mg/kg	160	0.028 B	0.099 U	N/A	**0.038 J**	0.08 U	**0.018 J**	0.081 U	N/A	**0.56 J**	0.056 B	**0.37 J**	0.034 B	**0.057 J**	0.083 U	N/A	0.081 U	0.084 U	0.073 U	0.085 U	**0.091 J**	0.035 B
Carbazole	mg/kg		0.07 U	**1.8**	N/A	**0.032 J**	**0.26**	**0.04 J**	**0.11**	N/A	**0.13 J**	**0.49 J**	**0.043 J**	**0.088 J**	0.074 U	**0.13**	N/A	0.081 U	0.084 U	0.073 U	0.085 U	0.073 U	0.074 U
Chrysene	mg/kg	2,100	**0.21**	**0.27 J**	N/A	**0.47**	**1.2**	**0.48**	**0.38**	N/A	**0.88**	**0.85**	**0.17**	**0.3**	**0.3**	**1**	N/A	**0.13**	**0.0022 J**	**0.11**	**0.00082 J**	**0.091**	**0.048 J**
Dibenz[a,h]anthracene	mg/kg	2.1	**0.018 J**	**0.03 J**	N/A	**0.091**	**0.16**	**0.073**	**0.048 J**	N/A	**0.095**	**0.1**	**0.018 J**	**0.056 J**	**0.064 J**	**0.13**	N/A	0.083 U	0.0084 U	**0.02 J**	0.0085 U	**0.011 J**	0.075 U
Diethylphthalate	mg/kg	660,000	0.07 U	0.099 U	N/A	**0.17**	0.08 U	0.07 U	0.081 U	N/A	0.077 U	0.072 U	0.078 U	0.075 U	0.074 U	0.083 U	N/A	0.081 U	0.084 U	0.073 U	0.085 U	0.073 U	0.074 U
Di-n-butylphthalate	mg/kg	82,000	0.07 U	0.099 U	N/A	0.07 U	0.08 U	0.07 U	0.081 U	N/A	**0.22 J**	**0.031 J**	0.078 U	0.075 U	0.074 U	0.083 U	N/A	0.081 U	0.084 U	0.073 U	0.085 U	0.073 U	0.074 U
Di-n-ocytlphthalate	mg/kg	8,200	0.07 UJ	0.099 U	N/A	0.07 U	0.08 U	0.07 U	0.081 U	N/A	0.077 UJ	0.072 UJ	0.078 UJ	0.075 UJ	0.074 U	0.083 U	N/A	0.081 U	0.084 U	0.073 U	0.085 U	**0.36 J**	0.074 UJ
Fluoranthene	mg/kg	30,000	**0.27**	**1.5 J**	N/A	**0.8**	**3.2**	**1**	**1.3**	N/A	**1.2**	**2.2**	**0.32**	**0.52**	**0.26**	**1.7**	N/A	**0.22**	**0.0046 J**	**0.13**	**0.0033 J**	**0.11**	**0.078**
Fluorene	mg/kg	30,000	0.072 U	**1.2**	N/A	**0.038 J**	**0.15**	**0.036**	**0.12**	N/A	**0.063 J**	**0.15**	**0.011 J**	**0.013 J**	**0.0092 J**	**0.09**	N/A	**0.02 J**	0.0084 U	**0.0086 J**	**0.0049 J**	0.074 U	0.075 U
Hexachlorobenzene	mg/kg	0.96	0.07 U	0.099 U	N/A	0.07 U	0.08 U	0.07 U	0.081 U	N/A	0.077 U	0.072 U	0.078 U	0.075 U	0.074 U	0.083 U	N/A	0.081 U	0.084 U	0.073 U	0.085 U	0.073 U	0.074 U
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.049 J**	**0.086 J**	N/A	**0.28**	**0.42**	**0.17**	**0.14**	N/A	**0.16**	**0.28**	**0.057 J**	**0.16**	**0.18**	**0.34**	N/A	**0.026 J**	**0.0012 J**	**0.065 J**	0.0085 U	**0.033 J**	**0.016 J**
Naphthalene	mg/kg	17	0.072 U	**32.8**	**2,040**	**0.2**	**0.031 J**	**0.092**	**0.11**	N/A	**1.6**	**0.094**	0.036 B	**0.21**	**0.082**	**0.51**	N/A	**0.14**	**0.003 J**	**0.055 J**	**0.0061 J**	0.074 U	0.075 U
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.07 U	0.099 U	N/A	0.07 U	0.08 U	0.07 U	0.081 U	N/A	0.077 U	0.072 U	0.078 U	0.075 U	0.074 U	0.083 U	N/A	0.081 U	0.084 U	0.073 U	0.085 U	0.073 U	0.074 U
N-Nitrosodiphenylamine	mg/kg	470	0.07 U	0.099 U	N/A	0.07 U	0.08 U	0.07 U	0.081 U	N/A	0.077 U	0.072 U	0.078 U	0.075 U	0.074 U	0.083 U	N/A	0.081 U	0.084 U	0.073 U	0.085 U	0.073 U	0.074 U
Pentachlorophenol	mg/kg	4	0.18 U	0.25 U	N/A	0.17 U	0.2 U	0.17 U	0.2 U	N/A	0.19 U	0.18 R	0.19 U	0.19 U	0.19 U	0.21 U	N/A	0.2 U	0.21 U	0.18 U	0.21 U	0.18 R	0.19 R
Phenanthrene	mg/kg		**0.046 J**	**2.5**	N/A	**0.44**	**1.9**	**0.62**	**0.8**	N/A	**1.4**	**1.6**	**0.22**	**0.43**	**0.14**	**0.86**	N/A	**0.18**	**0.0033 J**	**0.092**	**0.0072 J**	**0.061 J**	**0.06 J**
Phenol	mg/kg	250,000	0.07 U	**1.1**	N/A	**0.019 J**	0.08 U	0.07 U	0.081 U	N/A	**0.041 J**	0.072 R	0.078 U	0.075 U	0.074 U	0.083 U	N/A	**0.024 J**	0.084 U	0.073 U	0.085 U	0.073 R	0.074 R
Pyrene	mg/kg	23,000	**0.25**	**1 J**	N/A	**0.66**	**2.7**	**0.85**	**0.94**	N/A	**0.96**	**1.7**	**0.26**	**0.42**	**0.25**	**1.4**	N/A	**0.18**	**0.0039 J**	**0.12**	**0.0025 J**	**0.12**	**0.072 J**
PCBs																							
Aroclor 1242	mg/kg	0.97	0.0556 U	N/A	N/A	**0.269**	N/A	0.0549 U	N/A	N/A	**0.0397 J**	0.0548 U	0.326 U	N/A	0.0535 U	N/A	N/A	0.0765 U	N/A	0.0577 U	N/A	**0.123**	**0.226**
Aroclor 1248	mg/kg	0.94	0.0556 U	N/A	N/A	0.0548 U	N/A	0.0549 U	N/A	N/A	0.0559 U	**0.0211 J**	0.326 U	N/A	0.0535 U	N/A	N/A	0.0765 U	N/A	0.0577 U	N/A	0.0562 U	0.0581 U
Aroclor 1254	mg/kg	0.97	0.0556 U	N/A	N/A	**0.206**	N/A	**0.0375 J**	N/A	N/A	0.0559 U	0.0548 U	0.326 U	N/A	0.0535 U	N/A	N/A	0.0765 U	N/A	0.0577 U	N/A	**0.99**	**1.04**
Aroclor 1260	mg/kg	0.99	0.0556 U	N/A	N/A	**0.378**	N/A	0.0549 U	N/A	N/A	0.0559 U	0.0548 U	0.326 U	N/A	0.0535 U	N/A	N/A	0.0765 U	N/A	0.0577 U	N/A	0.0562 U	0.0581 U
Aroclor 1262	mg/kg		0.0556 U	N/A	N/A	0.0548 U	N/A	**0.0482 J**	N/A	N/A	0.0559 U	0.0548 U	0.326 U	N/A	**0.0594**	N/A	N/A	0.0765 U	N/A	**0.0431 J**	N/A	**0.518**	**0.601**
Aroclor 1268	mg/kg		0.0556 U	N/A	N/A	0.0548 U	N/A	0.0549 U	N/A	N/A	**0.236**	**0.179**	**13**	N/A	0.0535 U	N/A	N/A	0.0765 U	N/A	0.0577 U	N/A	0.0562 U	0.0581 U
PCBs (total)	mg/kg	0.97	0.0556 U	N/A	N/A	**0.853**	N/A	**0.0857**	N/A	N/A	**0.2757**	**0.2001**	**13**	N/A	**0.0594**	N/A	N/A	0.0765 U	N/A	**0.0431 J**	N/A	**1.631**	**1.867**
TPH																							
Diesel Range Organics	mg/kg	6,200	**20.5 J**	**124 J**	N/A	**151**	**124**	**105**	**557**	N/A	**349 J**	**48.1 J**	**108 J**	**579 J**	**36.9**	**786**	**6.5 J**	**16.7**	**8.4**	**487**	**13.5**	**70 J**	**184 J**
Gasoline Range Organics	mg/kg	6,200	13 U	**11.1 J**	N/A	10.8 U	11.1 U	10.7 U	**7.8 J**	N/A	16.2 U	8 U	**25.8**	13.9 U	11.2 U	11.9 U	N/A	14.6 U	10.2 U	13.4 U	10.3 U	11.6 U	10 U

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-129-SB-4	B22-130-SB-1	B22-130-SB-4	B22-131-SB-1	B22-131-SB-5	B22-132-SB-1	B22-132-SB-5	B22-133-SB-1	B22-133-SB-5	B22-134-SB-1	B22-134-SB-7	B22-135-SB-1	B22-135-SB-8	B22-136-SB-1	B22-136-SB-5	B22-137-SB-1	B22-137-SB-8	B22-138-SB-1	B22-138-SB-8	B22-139-SB-1	B22-139-SB-4	B22-140-SB-1	B22-140-SB-5
Volatile Organic Compounds																									
1,1,1-Trichloroethane	mg/kg	36,000	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.057 U	0.057 U	0.044 U	0.046 U	0.048 U	0.053 U	0.048 U	0.062 U	0.055 U	0.06 U	0.057 U	0.052 U	0.059 U	0.064 U	0.087 U	0.042 U	0.052 U	0.065 U	0.051 U	0.051 U	0.049 U	0.05 U	0.05 U
1,1,2-Trichloroethane	mg/kg	5	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
1,1-Dichloroethane	mg/kg	16	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
1,1-Dichloroethene	mg/kg	1,000	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
1,2,3-Trichlorobenzene	mg/kg	930	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 UJ	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 UJ	0.0064 U	0.0087 UJ	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
1,2,4-Trichlorobenzene	mg/kg	110	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 UJ	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 UJ	0.0064 U	0.0087 UJ	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
1,2-Dichloroethane	mg/kg	2	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
1,2-Dichloroethene (Total)	mg/kg	2,300	0.011 U	0.011 U	0.0088 U	0.0092 U	0.0097 U	0.011 U	0.0095 U	0.012 U	0.011 U	0.012 U	0.011 U	0.01 U	0.012 U	0.013 U	0.017 U	0.0085 U	0.01 U	0.013 U	0.01 U	0.01 U	0.0098 U	0.01 U	0.0099 U
1,4-Dichlorobenzene	mg/kg	11	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 UJ	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 UJ	0.0064 U	0.0087 UJ	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
1,4-Dioxane	mg/kg	24	0.11 R	0.11 R	0.088 R	0.092 R	0.097 R	0.11 R	0.095 R	0.12 R	0.11 R	0.12 R	0.11 R	0.1 R	0.12 R	0.13 R	0.17 R	0.085 R	0.1 R	0.13 R	0.1 R	0.1 R	0.098 R	0.1 R	0.099 R
2-Butanone (MEK)	mg/kg	190,000	0.011 U	0.011 U	0.0088 U	0.0092 U	0.0097 U	0.011 U	0.0095 U	0.012 U	0.011 U	0.012 U	0.011 U	0.01 U	**0.0056 J**	0.013 U	**0.011 J**	0.0085 U	0.01 U	0.013 U	0.01 U	0.01 U	**0.003 J**	0.01 U	**0.003 J**
2-Hexanone	mg/kg	1,300	0.011 U	0.011 U	0.0088 U	0.0092 U	0.0097 U	0.011 U	0.0095 U	0.012 U	0.011 U	0.012 U	0.011 U	0.01 U	0.012 U	0.013 U	0.017 U	0.0085 U	0.01 U	0.013 U	0.01 U	0.01 U	0.0098 U	0.01 U	0.0099 U
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.011 U	0.011 U	0.0088 U	0.0092 UJ	0.0097 UJ	0.011 UJ	0.0095 UJ	0.012 UJ	0.011 U	0.012 UJ	0.011 UJ	0.01 UJ	0.012 UJ	0.013 UJ	0.017 UJ	0.0085 U	0.01 U	0.013 U	0.01 U	0.01 U	0.0098 U	0.01 U	0.0099 U
Acetone	mg/kg	670,000	**0.0058 J**	0.011 U	0.0088 U	0.0092 U	0.0097 U	0.011 U	0.0095 U	0.0072 B	**0.028**	**0.013**	**0.014**	**0.013**	**0.029**	0.013 U	**0.047**	0.0085 U	0.01 U	0.013 U	0.01 U	0.01 U	**0.018**	0.01 U	**0.0067 J**
Benzene	mg/kg	5.1	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	**0.0022 J**	0.0064 U	**0.0037 J**	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
Chlorobenzene	mg/kg	1,300	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
Chloroethane	mg/kg	57,000	0.0057 U	0.0057 U	0.0044 UJ	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
Chloroform	mg/kg	1.4	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	mg/kg	2,300	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
Cyclohexane	mg/kg	27,000	0.011 U	0.011 U	0.0088 U	0.0092 U	0.0097 U	0.011 U	0.0095 U	0.012 UJ	0.011 U	0.012 UJ	0.011 UJ	0.01 UJ	**0.0059 J**	0.013 UJ	**0.0087 J**	0.0085 U	0.01 U	0.013 U	0.01 U	0.01 U	0.0098 U	0.01 U	0.0099 U
Ethylbenzene	mg/kg	25	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	**0.0013 J**	0.0049 U	0.005 U	0.005 U
Isopropylbenzene	mg/kg	9,900	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
Methyl Acetate	mg/kg	1,200,000	0.057 U	0.057 U	0.044 U	0.046 U	0.048 U	0.053 U	0.048 U	0.062 U	0.055 U	0.06 U	0.057 U	0.052 U	0.059 U	0.064 U	0.087 U	0.042 U	0.052 U	0.065 U	0.051 U	0.051 U	0.049 U	0.05 U	0.05 U
Methylene Chloride	mg/kg	1,000	0.0057 U	0.0057 U	0.0044 UJ	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
Styrene	mg/kg	35,000	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
Tetrachloroethene	mg/kg	100	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 UJ	0.0057 UJ	0.0052 UJ	0.0059 UJ	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
Toluene	mg/kg	47,000	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0027 B	0.0021 B	0.006 U	0.0057 U	0.0052 U	0.0028 B	0.0064 U	0.005 B	0.0042 U	0.0052 U	0.0065 U	0.0051 U	**0.0026 J**	0.0049 U	0.005 U	0.005 U
trans-1,2-Dichloroethene	mg/kg	23,000	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
Trichloroethene	mg/kg	6	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
Trichlorofluoromethane	mg/kg	3,100	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
Vinyl chloride	mg/kg	1.7	0.0057 U	0.0057 U	0.0044 U	0.0046 U	0.0048 U	0.0053 U	0.0048 U	0.0062 U	0.0055 U	0.006 U	0.0057 U	0.0052 U	0.0059 U	0.0064 U	0.0087 U	0.0042 U	0.0052 U	0.0065 U	0.0051 U	0.0051 U	0.0049 U	0.005 U	0.005 U
Xylenes	mg/kg	2,800	0.017 U	0.017 U	0.013 U	0.014 U	0.015 U	0.016 U	0.014 U	0.019 U	**0.0033 J**	0.018 U	0.017 U	0.015 U	0.018 U	0.019 U	**0.0051 J**	0.013 U	0.015 U	0.019 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
Semi-Volatile Organic Compounds^																									
1,1-Biphenyl	mg/kg	200	0.075 U	0.073 U	0.078 U	0.078 U	0.081 U	0.076 U	0.081 U	**0.11**	**0.13**	**0.017 J**	0.077 U	0.072 U	**0.41 J**	0.073 U	**0.75**	0.071 U	0.076 U	0.087 U	0.077 U	**0.036 J**	**0.026 J**	0.074 U	0.075 U
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.075 U	0.073 U	0.078 U	0.078 U	0.081 U	0.076 U	0.081 U	0.077 U	0.079 U	0.077 U	0.077 U	0.072 U	0.078 U	0.073 U	0.11 U	0.071 U	0.076 U	0.087 U	0.077 U	0.075 U	0.073 U	0.074 U	0.075 U
2,4-Dimethylphenol	mg/kg	16,000	0.075 U	0.073 R	0.078 U	0.078 U	0.081 U	0.076 U	0.081 U	0.077 R	**0.016 J**	0.077 R	**0.07 J**	0.072 R	**0.024 J**	0.073 R	**0.18 J**	0.071 R	0.076 U	0.087 UJ	0.077 U	0.075 R	0.073 UJ	0.074 R	**0.16**
2-Chloronaphthalene	mg/kg	60,000	0.075 U	0.073 U	0.078 U	0.078 U	0.081 U	0.076 U	0.081 U	0.077 U	0.079 U	0.077 U	0.077 U	0.072 U	0.078 U	0.073 U	0.11 U	0.071 U	0.076 U	0.087 U	0.077 U	0.075 U	0.073 U	0.074 U	0.075 U
2-Methylnaphthalene	mg/kg	3,000	**0.0052 J**	**0.051**	**0.0044 J**	0.079 U	0.0081 U	**0.021 J**	**0.0041 J**	**1.1**	**0.71**	**0.1**	**0.055 J**	**0.0028 J**	**2.3**	**0.0039 J**	**2.8**	0.0055 B	0.0077 U	0.063 B	0.0078 U	**0.097**	**0.084**	0.0032 B	0.076 U
2-Methylphenol	mg/kg	41,000	0.075 U	0.073 R	0.078 U	0.078 U	0.081 U	0.076 U	0.081 U	0.077 R	0.079 R	0.077 R	0.077 UJ	0.072 R	0.078 R	0.073 R	**0.12 J**	0.071 R	0.076 U	0.087 UJ	0.077 U	0.075 R	0.073 UJ	0.074 R	0.075 U
2-Nitroaniline	mg/kg	8,000	0.19 U	0.18 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U	0.18 U	0.19 U	0.18 U	0.26 U	0.18 U	0.19 U	0.22 U	0.19 U	0.19 U	0.18 U	0.18 U	0.19 U
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.15 U	0.15 R	0.16 U	0.16 U	0.16 U	0.15 U	0.16 U	0.15 R	0.16 R	0.15 R	0.15 UJ	0.14 R	**0.027 J**	0.15 R	**0.19 J**	0.14 R	0.15 U	0.17 UJ	0.15 U	0.15 R	0.15 UJ	0.15 R	0.15 U
4-Nitroaniline	mg/kg	110	0.19 UJ	0.18 UJ	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.2 U	0.19 UJ	0.19 UJ	0.18 UJ	0.19 UJ	0.18 U	0.26 U	0.18 U	0.19 U	0.22 U	0.19 U	0.19 U	0.18 U	0.18 U	0.19 U
Acenaphthene	mg/kg	45,000	**0.017**	**0.057**	**0.0026 J**	**0.0054 J**	0.0081 U	**0.0074 J**	**0.00083 J**	**0.029**	**0.041**	**0.012 J**	**0.076 J**	**0.00054 J**	**0.97**	**0.00063 J**	**0.75**	**0.0012 J**	0.0078 U	**0.022**	**0.022 J**	0.0074 U	0.076 U
Acenaphthylene	mg/kg	45,000	**0.022**	**0.022**	**0.0017 J**	**0.0096 J**	0.0081 U	**0.024 J**	**0.0037 J**	**0.082**	**0.13**	**0.057 J**	**0.045 J**	**0.0017 J**	**0.3**	**0.0014 J**	**0.25**	**0.0027 J**	**0.00066 J**	**0.018 J**	0.0078 U	**0.034**	**0.036 J**	0.0074 U	0.076 U
Acetophenone	mg/kg	120,000	0.075 U	0.073 U	0.078 U	0.078 U	0.081 U	0.076 U	0.081 U	**0.068 J**	**0.1**	0.077 U	0.077 U	0.072 U	**0.07 J**	0.073 U	**0.25**	0.071 U	0.076 U	0.087 U	0.077 U	0.075 U	0.073 U	0.074 U	0.075 U
Anthracene	mg/kg	230,000	**0.092**	**0.066**	**0.0031 J**	**0.0088 J**	0.0081 U	**0.029 J**	**0.0049 J**	**0.12**	**0.28**	**0.064 J**	**0.19**	**0.0055 J**	**1.6**	**0.0035 J**	**1.1**	**0.0033 J**	0.0077 U	**0.23**	0.0078 U	**0.067**	**0.056 J**	**0.0011 J**	0.076 U
Benz[a]anthracene	mg/kg	21	**0.25**	**0.36**	**0.01**	**0.02 J**	0.0081 U	**0.12**	**0.031**	**0.34**	**0.51**	**0.17**	**0.39**	**0.031**	**1.5**	**0.012**	**1.7**	**0.033**	0.0077 U	**0.61**	0.0078 U	**0.27**	**0.18**	**0.008**	**0.033 J**
Benzaldehyde	mg/kg	120,000	0.075 R	0.073 R	0.078 R	0.078 R	0.081 R	0.076 R	0.081 R	**0.098**	**0.096**	0.077 R	**0.047 J**	0.072 R	**0.093 J**	0.073 U	**0.64**	0.071 R	0.076 R	**0.034 J**	0.077 R	**0.025 J**	**0.059 J**	0.074 R	0.075 R
Benzo[a]pyrene	mg/kg	2.1	**0.16**	**0.43**	**0.01**	**0.012 J**	0.0081 U	**0.1**	**0.032**	**0.27**	**0.42**	**0.16**	**0.3**	**0.0069 J**	**1.2**	**0.011**	**1.5**	**0.03**	0.0077 U	**0.5**	0.0078 U	**0.17**	**0.15**	**0.0041 J**	**0.022 J**
Benzo[b]fluoranthene	mg/kg	21	**0.34**	**1.1**	**0.025**	**0.015 J**	0.0081 U	**0.21**	**0.062**	**0.69**	**0.98**	**0.42**	**0.63**	**0.11**	**2.5**	**0.033**	**3**	**0.079**	**0.00068 J**	**0.99**	0.0078 U	**0.47**	**0.28**	**0.015**	**0.049 J**
Benzo[g,h,i]perylene	mg/kg		**0.071**	**0.2**	**0.0033 J**	**0.011 J**	0.0081 U	**0.039 J**	**0.022**	**0.12**	**0.17**	**0.19**	**0.2**	**0.02**	**0.89**	**0.0094**	**1.1**	**0.034**	0.0077 U	**0.2**	0.0078 U	**0.13**	**0.083**	**0.0072 J**	**0.018 J**
Benzo[k]fluoranthene	mg/kg	210	**0.3**	**0.92**	**0.021**	0.079 U	0.0081 U	**0.2**	**0.06**	**0.58**	**0.83**	**0.35**	**0.53**	**0.094**	**2.1**	**0.028**	**2.6**	**0.076**	0.0077 U	**0.95**	0.0078 U	**0.45**	**0.26**	**0.014**	**0.046 J**
bis(2-Ethylhexyl)phthalate	mg/kg	160	0.075 U	0.13 B	0.078 U	0.078 U	0.081 U	0.076 UJ	0.081 UJ	0.077 U	0.079 U	**0.33 J**	**0.34 J**	0.039 B	0.098 B	0.073 U	**0.1 J**	0.071 U	0.076 U	**0.19 J**	0.077 U	0.075 U	**0.18 J**	0.074 U	**0.016 J**
Carbazole	mg/kg		**0.077**	0.073 U	0.078 U	0.078 U	0.081 U	0.076 U	0.081 U	**0.063 J**	**0.14**	**0.018 J**	**0.1**	0.072 U	**0.39 J**	0.073 U	**0.89**	0.071 U	0.076 U	**0.056 J**	0.077 U	**0.045 J**	**0.021 J**	0.074 U	0.075 U
Chrysene	mg/kg	2,100	**0.22**	**1.1**	**0.014**	**0.014 J**	0.0081 U	**0.11**	**0.035**	**0.45**	**0.55**	**0.24**	**0.38**	**0.1**	**1.7**	**0.02**	**1.5**	**0.055**	0.0077 U	**0.62**	0.0078 U	**0.34**	**0.23**	**0.02**	**0.025 J**
Dibenz[a,h]anthracene	mg/kg	2.1	**0.033**	**0.067**	**0.0015 J**	0.079 U	0.0081 U	**0.019 J**	**0.0064 J**	**0.049**	**0.064**	**0.051 J**	**0.069 J**	**0.0055 J**	**0.27**	**0.0027 J**	**0.27**	**0.008**	0.0077 U	**0.071 J**	0.0078 U	**0.038**	**0.029 J**	**0.0016 J**	0.076 U
Diethylphthalate	mg/kg	660,000	0.075 U	0.073 U	0.078 U	0.078 U	0.081 U	0.076 U	0.081 U	0.077 U	0.079 U	0.077 U	0.077 U	0.072 U	0.078 U	0.073 U	0.11 U	0.071 U	0.076 U	0.087 U	0.077 U	0.075 U	0.073 U	0.074 U	0.075 U
Di-n-butylphthalate	mg/kg	82,000	0.075 U	0.073 U	0.078 U	0.078 U	0.081 U	0.076 U	0.081 U	0.077 U	0.079 U	0.077 U	**0.17**	0.072 U	0.078 U	0.073 U	0.11 U	0.071 U	0.076 U	0.087 U	0.077 U	0.075 U	0.073 U	0.074 U	0.075 U
Di-n-ocytlphthalate	mg/kg	8,200	0.075 UJ	0.073 UJ	0.078 U	0.078 U	0.081 U	0.076 UJ	0.081 UJ	0.077 UJ	0.079 UJ	0.077 UJ	0.077 UJ	0.072 UJ	0.078 UJ	0.073 U	0.11 UJ	0.071 U	0.076 U	0.087 UJ	0.077 U	0.075 U	0.073 UJ	0.074 U	0.075 U
Fluoranthene	mg/kg	30,000	**0.5**	**1**	**0.017**	**0.015 J**	0.0081 U	**0.17**	**0.055**	**0.7**	**1.3**	**0.39**	**0.89**	**0.093**	**4**	**0.029**	**4**	**0.065**	**0.0012 J**	**1.3**	**0.00067 J**	**0.74**	**0.41**	**0.014**	**0.045 J**
Fluorene	mg/kg	30,000	**0.026**	**0.026**	**0.0017 J**	**0.0076 J**	0.0081 U	**0.01 J**	**0.001 J**	**0.036**	**0.048**	**0.032 J**	**0.091**	0.0071 U	**0.73**	0.0072 U	**0.71**	0.0071 U	0.0077 U	**0.12**	0.0078 U	**0.012**	**0.033 J**	0.0074 U	0.076 U
Hexachlorobenzene	mg/kg	0.96	0.075 U	0.073 U	0.078 U	0.078 U	0.081 U	0.076 U	0.081 U	0.077 U	0.079 U	0.077 U	0.077 U	0.072 U	0.078 U	0.073 U	0.11 U	0.071 U	0.076 U	0.087 U	0.077 U	0.075 U	0.073 U	0.074 U	0.075 U
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.08**	**0.16**	**0.0033 J**	0.079 U	0.0081 U	**0.039 J**	**0.02**	**0.12**	**0.18**	**0.17**	**0.19**	**0.018**	**0.81**	**0.0083**	**0.87**	**0.026**	0.0077 U	**0.2**	0.0078 U	**0.12**	**0.068 J**	**0.0036 J**	**0.015 J**
Naphthalene	mg/kg	17	0.0053 B	**0.06**	**0.012**	0.048 B	0.0081 U	0.06 B	0.0056 B	**1.9**	**1**	**0.23**	**0.25**	0.0038 B	**2.5**	0.0047 B	**5.9**	**0.0031 J**	0.0077 U	**0.077 J**	0.0078 U	**0.32**	**0.28**	**0.0037 J**	**0.021 J**
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.075 U	0.073 U	0.078 U	0.078 U	0.081 U	0.076 U	0.081 U	0.077 U	0.079 U	0.077 U	0.077 U	0.072 U	0.078 U	0.073 U	0.11 U	0.071 U	0.076 U	0.087 U	0.077 U	0.075 U	0.073 U	0.074 U	0.075 U
N-Nitrosodiphenylamine	mg/kg	470	0.075 U	0.073 U	0.078 U	0.078 U	0.081 U	0.076 U	0.081 U	0.077 U	0.079 U	0.077 U	0.077 U	0.072 U	0.078 U	0.073 U	0.11 U	0.071 U	0.076 U	0.087 U	0.077 U	0.075 U	0.073 U	0.074 U	0.075 U
Pentachlorophenol	mg/kg	4	0.19 U	0.18 R	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.19 R	0.2 R	0.19 R	0.19 UJ	0.18 R	0.19 R	0.18 R	0.26 R	0.18 R	0.19 U	0.22 UJ	0.19 U	0.19 R	0.18 UJ	0.18 R	0.19 U
Phenanthrene	mg/kg		**0.41**	**1.4**	**0.011**	**0.017 J**	0.0081 U	**0.074 J**	**0.021**	**1.1**	**1.3**	**0.27**	**0.81**	**0.026**	**4.9**	**0.017**	**3.9**	**0.04**	**0.0013 J**	**0.86**	**0.00063 J**	**0.6**	**0.35**	**0.013**	**0.026 J**
Phenol	mg/kg	250,000	0.075 U	0.073 R	0.078 U	0.078 U	0.081 U	0.076 U	0.081 U	0.077 R	0.079 R	0.077 R	0.077 UJ	0.072 R	0.078 R	0.073 R	**0.05 J**	0.071 R	0.076 U	**0.055 J**	0.077 U	0.075 R	**0.026 J**	0.074 R	0.075 U
Pyrene	mg/kg	23,000	**0.36**	**1.6**	**0.014**	**0.015 J**	0.0081 U	**0.14**	**0.05**	**0.63**	**1**	**0.43**	**0.72**	**0.27**	**3.5**	**0.024**	**3.4**	**0.058**	**0.00091 J**	**1.2**	0.0078 U	**0.58**	**0.37**	**0.017**	**0.038 J**
PCBs																									
Aroclor 1242	mg/kg	0.97	N/A	**0.43**	N/A	0.0596 U	N/A	0.0568 U	N/A	0.0559 U	N/A	0.0578 U	N/A	0.0539 U	N/A	0.0518 U	N/A	0.0553 U	N/A	**0.0447 J**	N/A	0.0554 U	N/A	**6.64**	N/A
Aroclor 1248	mg/kg	0.94	N/A	0.0563 U	N/A	0.0596 U	N/A	0.0568 U	N/A	**0.0349 J**	N/A	0.0578 U	N/A	0.0539 U	N/A	0.0518 U	N/A	0.0553 U	N/A	0.057 U	N/A	0.0554 U	N/A	0.232 U	N/A
Aroclor 1254	mg/kg	0.97	N/A	**1.15**	N/A	0.0596 U	N/A	0.0568 U	N/A	0.0559 U	N/A	**0.0591**	N/A	0.0539 U	N/A	0.0518 U	N/A	0.0553 U	N/A	**0.099**	N/A	0.0554 U	N/A	0.232 U	N/A
Aroclor 1260	mg/kg	0.99	N/A	0.0563 U	N/A	0.0596 U	N/A	0.0568 U	N/A	0.0559 U	N/A	0.0578 U	N/A	0.0539 U	N/A	0.0518 U	N/A	0.0553 U	N/A	**0.0444 J**	N/A	0.0554 U	N/A	0.232 U	N/A
Aroclor 1262	mg/kg		N/A	**0.629**	N/A	0.0596 U	N/A	0.0568 U	N/A	0.0559 U	N/A	0.0578 U	N/A	0.0539 U	N/A	**0.0245 J**	N/A	0.0553 U	N/A	0.057 U	N/A	0.0554 U	N/A	0.232 U	N/A
Aroclor 1268	mg/kg		N/A	0.0563 U	N/A	0.0596 U	N/A	0.0568 U	N/A	**0.476**	N/A	**2.58**	N/A	**2.04**	N/A	0.0518 U	N/A	0.0553 U	N/A	0.057 U	N/A	0.0554 U	N/A	0.232 U	N/A
PCBs (total)	mg/kg	0.97	N/A	**2.209**	N/A	0.0596 U	N/A	0.0568 U	N/A	**0.5109**	N/A	**2.6391**	N/A	**2.04**	N/A	**0.0245 J**	N/A	0.0553 U	N/A	**0.1881**	N/A	0.0554 U	N/A	**6.64**	N/A
TPH																									
Diesel Range Organics	mg/kg	6,200	**23.7 J**	**201 J**	**10.9 J**	**7.5 J**	8.1 UJ	**30.4 J**	**9.8 J**	**139 J**	**130 J**	**535 J**	**155 J**	**42 J**	**268 J**	**15.5 J**	**723 J**	**12.7 J**	7.6 UJ	**115 J**	7.8 UJ	**21.8 J**	**178 J**	**12.9 J**	**30.1 J**
Gasoline Range Organics	mg/kg	6,200	15.5 U	12.3 U	9.3 U	10.3 U	10.6 U	11.3 U	10.5 U	**16.3**	12.8 U	12.9 U	11.9 U	12.2 U	11.6 U	15 U	19.6 U	8.9 U	10.5 U	12.1 U	9.5 U	10.7 U	12 U	8.8 U	11.5 U

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-141-SB-1	B22-141-SB-5	B22-142-SB-1	B22-142-SB-5	B22-143-SB-1	B22-143-SB-5	B22-144-SB-1*	B22-144-SB-7*	B22-145-SB-1*	B22-145-SB-4*	B22-145-SB-10*	B22-146-SB-1	B22-146-SB-5	B22-147-SB-1	B22-147-SB-5.5	B22-148-SB-1*	B22-148-SB-6*	B22-148-SB-10*	B22-149-SB-1*	B22-149-SB-8*	B22-150-SB-1	B22-150-SB-5
Volatile Organic Compounds																								
1,1,1-Trichloroethane	mg/kg	36,000	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	**0.016 J**	0.0046 U	**0.0084**	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.058 U	0.052 U	0.054 U	0.044 U	0.049 U	0.051 U	0.085 U	0.043 U	0.047 U	0.065 U	N/A	0.11 UJ	0.046 UJ	0.083 UJ	0.048 UJ	0.049 U	0.054 U	N/A	0.084 U	0.05 U	0.073 UJ	0.06 UJ
1,1,2-Trichloroethane	mg/kg	5	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
1,1-Dichloroethane	mg/kg	16	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	**0.021 J**	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
1,1-Dichloroethene	mg/kg	1,000	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
1,2,3-Trichlorobenzene	mg/kg	930	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
1,2,4-Trichlorobenzene	mg/kg	110	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
1,2-Dichloroethane	mg/kg	2	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
1,2-Dichloroethene (Total)	mg/kg	2,300	0.012 U	0.01 U	0.011 U	0.0087 U	0.0097 U	0.01 U	0.017 U	0.0086 U	0.0094 U	0.013 U	N/A	0.022 UJ	0.0092 U	0.017 U	0.0096 U	0.0098 U	0.011 U	N/A	0.017 U	0.01 U	0.015 U	0.012 U
1,4-Dichlorobenzene	mg/kg	11	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
1,4-Dioxane	mg/kg	24	0.12 R	0.1 R	0.11 R	0.087 R	0.097 R	0.1 R	0.17 U	0.086 U	0.094 U	0.13 U	N/A	0.22 R	0.092 R	0.17 R	0.096 R	0.098 U	0.11 U	N/A	0.17 U	0.1 U	0.15 R	0.12 R
2-Butanone (MEK)	mg/kg	190,000	0.012 U	0.01 U	0.011 U	0.0087 U	0.0097 U	0.01 U	0.017 U	0.0086 U	0.0094 U	**0.013 J**	N/A	0.022 UJ	0.0092 U	0.017 U	**0.0094 J**	0.0098 U	0.011 U	N/A	0.017 U	0.01 U	0.015 U	0.012 U
2-Hexanone	mg/kg	1,300	0.012 U	0.01 U	0.011 U	0.0087 U	0.0097 U	0.01 U	0.017 U	0.0086 U	0.0094 U	0.013 U	N/A	0.022 UJ	0.0092 U	0.017 U	0.0096 U	0.0098 U	0.011 U	N/A	0.017 U	0.01 U	0.015 U	0.012 U
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.012 U	0.01 U	0.011 U	0.0087 U	0.0097 U	0.01 U	0.017 U	0.0086 U	0.0094 U	0.013 U	N/A	0.022 UJ	0.0092 UJ	0.017 UJ	0.0096 UJ	0.0098 U	0.011 U	N/A	0.017 U	0.01 U	0.015 UJ	0.012 UJ
Acetone	mg/kg	670,000	0.012 U	0.01 U	0.011 U	0.0087 U	0.0097 U	0.01 U	0.017 U	**0.015**	0.0094 U	**0.065**	N/A	0.022 UJ	**0.017**	0.017 U	**0.053**	**0.0054 J**	**0.02**	N/A	**0.014 J**	**0.006 J**	0.015 U	**0.011 J**
Benzene	mg/kg	5.1	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	**0.012**	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
Chlorobenzene	mg/kg	1,300	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
Chloroethane	mg/kg	57,000	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
Chloroform	mg/kg	1.4	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	**0.014 J**	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	**0.0075**	0.0073 U	0.006 U
cis-1,2-Dichloroethene	mg/kg	2,300	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
Cyclohexane	mg/kg	27,000	0.012 U	0.01 U	0.011 U	0.0087 U	0.0097 U	0.01 U	0.017 U	0.0086 U	0.0094 U	0.013 U	N/A	0.022 UJ	0.0092 U	0.017 U	0.0096 U	0.0098 U	**0.092**	N/A	0.017 U	0.01 U	0.015 U	0.012 U
Ethylbenzene	mg/kg	25	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	**0.027**	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
Isopropylbenzene	mg/kg	9,900	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	**0.012**	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
Methyl Acetate	mg/kg	1,200,000	0.058 U	0.052 U	0.054 U	0.044 U	0.049 U	0.051 U	0.085 U	0.043 U	0.047 U	0.065 U	N/A	0.11 UJ	0.046 UJ	0.083 UJ	0.048 UJ	0.049 U	0.054 U	N/A	0.084 U	0.05 U	0.073 UJ	0.06 UJ
Methylene Chloride	mg/kg	1,000	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
Styrene	mg/kg	35,000	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
Tetrachloroethene	mg/kg	100	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
Toluene	mg/kg	47,000	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	**0.026**	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
trans-1,2-Dichloroethene	mg/kg	23,000	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
Trichloroethene	mg/kg	6	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
Trichlorofluoromethane	mg/kg	3,100	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
Vinyl chloride	mg/kg	1.7	0.0058 U	0.0052 U	0.0054 U	0.0044 U	0.0049 U	0.0051 U	0.0085 U	0.0043 U	0.0047 U	0.0065 U	N/A	0.011 UJ	0.0046 U	0.0083 U	0.0048 U	0.0049 U	0.0054 U	N/A	0.0084 U	0.005 U	0.0073 U	0.006 U
Xylenes	mg/kg	2,800	0.017 U	0.016 U	0.016 U	0.013 U	0.015 U	0.015 U	0.025 U	0.013 U	0.014 U	0.019 U	N/A	0.032 UJ	0.014 U	0.025 U	0.014 U	0.015 U	**0.11**	N/A	0.025 U	0.015 U	0.022 U	0.018 U
Semi-Volatile Organic Compounds^																								
1,1-Biphenyl	mg/kg	200	0.072 U	0.078 U	0.071 U	**0.17 J**	0.071 U	**0.05 J**	**0.023 J**	**0.16**	0.072 U	0.08 U	N/A	**0.33 J**	0.082 U	**0.12 J**	0.081 U	**0.063 J**	**0.15**	N/A	**0.033 J**	**0.26**	0.088 U	0.083 U
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.072 U	0.078 U	0.071 U	0.076 U	0.071 U	0.075 U	0.095 U	0.079 U	0.072 U	0.08 U	N/A	0.083 U	0.082 U	0.08 U	0.081 U	0.068 U	0.086 U	N/A	0.069 U	0.073 U	0.088 U	0.083 U
2,4-Dimethylphenol	mg/kg	16,000	0.072 UJ	0.078 U	0.071 R	0.076 R	0.071 R	0.075 R	0.095 U	0.079 U	0.072 U	0.08 U	N/A	**0.19 J**	0.082 U	**0.049 J**	0.081 U	0.068 U	**0.053 J**	N/A	0.069 U	**0.026 J**	0.088 U	0.083 UJ
2-Chloronaphthalene	mg/kg	60,000	0.072 U	0.078 U	0.071 U	0.076 U	0.071 U	0.075 U	0.095 U	0.079 U	0.072 U	0.08 U	N/A	**0.089 J**	0.082 U	0.08 U	0.081 U	0.068 U	0.086 U	N/A	0.069 U	0.073 U	0.088 U	0.083 U
2-Methylnaphthalene	mg/kg	3,000	0.073 U	0.0079 U	0.036 B	**0.23**	**0.056**	**0.17**	0.096 U	**0.14**	0.073 U	**0.047 J**	N/A	**1.2**	0.0081 U	**0.75**	**0.012**	**0.15**	**0.79**	N/A	**0.14**	**1.9**	0.088 U	0.0085 U
2-Methylphenol	mg/kg	41,000	0.072 UJ	0.078 U	0.071 R	0.076 R	0.071 R	0.075 R	0.095 U	0.079 U	0.072 U	0.08 U	N/A	**0.22 J**	0.082 U	**0.02 J**	0.081 U	0.068 U	0.086 U	N/A	0.069 U	**0.03 J**	0.088 U	0.083 UJ
2-Nitroaniline	mg/kg	8,000	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U	0.24 U	0.2 U	0.18 U	0.2 U	N/A	0.21 U	0.2 U	0.2 U	0.2 U	0.17 U	0.22 U	N/A	0.17 U	0.18 U	0.22 U	0.21 U
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.14 UJ	0.16 U	0.14 R	0.15 R	0.14 R	0.15 R	0.19 U	**0.051 J**	0.14 U	**0.032 J**	N/A	**0.53 J**	0.16 U	**0.06 J**	0.16 U	0.14 U	**0.045 J**	N/A	0.14 U	**0.12 J**	0.18 U	0.17 UJ
4-Nitroaniline	mg/kg	110	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.19 U	0.24 U	0.2 U	0.18 U	0.2 U	N/A	0.21 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.17 U	0.22 U	N/A	0.17 U	0.18 U	0.22 UJ	0.21 UJ
Acenaphthene	mg/kg	45,000	0.073 U	0.0079 U	0.073 U	**0.1**	**0.0022 J**	**0.069 J**	0.096 U	**0.18**	0.073 U	**0.0073 J**	N/A	**0.9**	0.0081 U	**0.2**	**0.09**	**0.76**	**0.21**	N/A	**0.36**	**2.3**	**0.019 J**	0.0085 U
Acenaphthylene	mg/kg	45,000	**0.0096 J**	0.0079 U	**0.0071 J**	**0.77**	**0.0084**	**0.0083 J**	**0.019 J**	**0.91**	**0.016 J**	**0.049 J**	N/A	**0.11**	0.0081 U	**0.047 J**	**0.004 J**	**0.21**	**0.05 J**	N/A	**0.25**	**8**	0.088 U	0.0085 U
Acetophenone	mg/kg	120,000	0.072 U	0.078 U	0.071 U	0.076 U	0.071 U	0.075 U	0.095 U	0.079 U	0.072 U	0.08 U	N/A	**0.093 J**	0.082 U	**0.063 J**	0.081 U	0.068 U	**0.034 J**	N/A	0.069 U	**0.02 J**	0.088 U	0.083 U
Anthracene	mg/kg	230,000	**0.01 J**	0.0079 U	**0.014 J**	**1.3**	**0.02**	**0.03 J**	0.033 B	**2.7**	0.026 B	**0.15**	N/A	**2.1**	0.0081 U	**0.81**	**0.24**	**1.9**	**0.28**	N/A	**1.5**	**23.4**	**0.091**	0.0085 U
Benz[a]anthracene	mg/kg	21	**0.069 J**	0.0079 U	**0.082**	**5**	**0.072**	**0.07 J**	0.14 B	**5.5**	0.11 B	**0.4**	N/A	**5.5**	0.0081 U	**2**	**0.52**	**5.3**	**0.94**	N/A	**4.2**	**60.4**	**0.33**	0.0085 U
Benzaldehyde	mg/kg	120,000	0.072 R	0.078 R	**0.02 J**	0.076 R	0.071 R	0.075 R	0.095 U	0.079 U	**0.3**	**0.2**	N/A	**0.89 J**	0.082 R	**0.28 J**	0.081 R	0.068 U	**0.03 J**	N/A	0.069 U	**0.034 J**	0.088 R	0.083 R
Benzo[a]pyrene	mg/kg	2.1	**0.076**	0.0079 U	**0.056 J**	**4.7**	**0.059**	**0.052 J**	**0.11**	**4.5**	**0.077**	**0.33**	**0.0015 J**	**4.7**	0.0081 U	**1.6**	**0.39**	**4.6**	**0.54**	**9.5**	**3.7**	**47.1**	**0.32**	0.0085 U
Benzo[b]fluoranthene	mg/kg	21	**0.17**	0.0079 U	**0.13**	**9.1**	**0.14**	**0.11**	**0.29**	**9.2**	**0.23**	**0.78**	N/A	**10.8**	0.0081 U	**3.5**	**0.82**	**10.3**	**2.8**	N/A	**8.5**	**92.5**	**0.68**	0.0085 U
Benzo[g,h,i]perylene	mg/kg		**0.065 J**	0.0079 U	**0.094**	**1.9**	**0.057**	**0.04 J**	**0.042 J**	**1.3**	**0.045 J**	**0.091**	N/A	**1.3**	0.0081 UJ	**0.5**	**0.12**	**1.6**	**0.24**	N/A	**1.2**	**11.7**	**0.12**	0.0085 U
Benzo[k]fluoranthene	mg/kg	210	**0.16**	0.0079 U	**0.12**	**8.7**	**0.14**	**0.1**	**0.25**	**8**	**0.2**	**0.69**	N/A	**9.4**	0.0081 U	**3**	**0.71**	**8.6**	**2.3**	N/A	**7**	**89.3**	**0.59**	0.0085 U
bis(2-Ethylhexyl)phthalate	mg/kg	160	0.072 U	0.078 U	0.071 UJ	**0.045 J**	0.071 U	0.075 U	**0.15**	**0.051 J**	**1.8**	0.4 U	N/A	0.044 B	0.082 U	0.12 B	0.081 U	**0.023 J**	0.086 U	N/A	**0.086**	0.073 U	0.088 UJ	0.083 U
Carbazole	mg/kg		0.072 U	0.078 U	0.071 U	**0.54 J**	0.071 U	**0.031 J**	0.095 U	**0.85**	0.072 U	0.4 U	N/A	**2.5**	0.082 UJ	**0.83 J**	0.081 U	**0.56**	**0.1**	N/A	**0.39**	**5**	**0.097 J**	0.083 U
Chrysene	mg/kg	2,100	**0.087**	0.0079 U	**0.18**	**4.9**	**0.096**	**0.084**	0.11 B	**4.1**	0.11 B	**0.47**	N/A	**5.6**	0.0081 U	**1.7**	**0.42**	**4.6**	**1.6**	N/A	**3.7**	**59**	**0.32**	0.0085 U
Dibenz[a,h]anthracene	mg/kg	2.1	**0.016 J**	0.0079 U	**0.016 J**	**0.4**	**0.015**	**0.011 J**	**0.02 J**	**0.52**	**0.013 J**	**0.042 J**	N/A	**0.63**	0.0081 UJ	**0.21**	**0.054**	**0.63**	**0.084 J**	N/A	**0.5**	**5.2**	**0.044 J**	0.0085 U
Diethylphthalate	mg/kg	660,000	0.072 U	0.078 U	0.071 U	0.076 U	0.071 U	0.075 U	0.095 U	0.079 U	0.072 U	0.08 U	N/A	0.083 U	0.082 U	0.08 U	0.081 U	0.068 U	0.086 U	N/A	0.069 U	0.073 U	0.088 U	0.083 U
Di-n-butylphthalate	mg/kg	82,000	0.072 U	0.078 U	0.071 U	0.076 U	0.071 U	0.075 U	**0.031 J**	0.079 U	**0.032 J**	0.4 U	N/A	0.083 U	0.082 U	0.08 U	0.081 U	0.068 U	0.086 U	N/A	0.069 U	0.073 U	0.088 U	0.083 U
Di-n-ocytlphthalate	mg/kg	8,200	0.072 U	0.078 U	0.071 UJ	0.076 UJ	0.071 U	0.075 U	0.095 U	0.079 U	0.072 U	0.08 U	N/A	0.083 UJ	0.082 U	0.08 UJ	0.081 U	0.068 U	**0.17**	N/A	0.069 U	0.073 U	0.088 UJ	0.083 U
Fluoranthene	mg/kg	30,000	**0.069 J**	0.0079 U	**0.17**	**14.7**	**0.14**	**0.22**	0.26 B	**12.1**	0.16 B	**0.65**	N/A	**12.1**	**0.00092 J**	**3.8**	**1.1**	**10.8**	**2.2**	N/A	**8**	**147**	**0.56**	0.0085 U
Fluorene	mg/kg	30,000	0.073 U	0.0079 U	0.073 U	**0.27**	**0.0021 J**	**0.0098 J**	**0.012 J**	**1.2**	0.073 U	**0.019 J**	N/A	**0.94**	0.0081 U	**0.2**	**0.088**	**0.58**	**0.49**	N/A	**0.45**	**7.4**	**0.011 J**	0.0085 U
Hexachlorobenzene	mg/kg	0.96	0.072 U	0.078 U	0.071 U	0.076 U	0.071 U	0.075 U	0.095 U	0.079 U	0.072 U	0.4 U	N/A	0.083 U	0.082 U	0.08 U	0.081 U	0.068 U	0.086 U	N/A	0.069 U	0.073 U	0.088 U	0.083 U
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.053 J**	0.0079 U	**0.029 J**	**1.9**	**0.046**	**0.033 J**	**0.044 J**	**1.5**	**0.037 J**	**0.12**	N/A	**1.4**	0.0081 UJ	**0.5**	**0.12**	**1.7**	**0.25**	N/A	**1.3**	**13.2**	**0.1**	0.0085 U
Naphthalene	mg/kg	17	0.073 U	0.0079 U	**0.03 J**	**1.1**	**0.091**	**0.049 J**	0.096 U	**0.85**	0.073 U	**0.051 J**	N/A	**0.79**	0.0081 U	**0.55**	**0.019**	**0.27**	**0.27**	N/A	**0.21**	**3.6**	0.025 B	0.0085 U
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.072 U	0.078 U	0.071 U	0.076 U	0.071 U	0.075 U	0.095 U	0.079 U	0.072 U	0.08 U	N/A	0.083 U	0.082 U	0.08 U	0.081 U	0.068 U	0.086 U	N/A	0.069 U	0.073 U	0.088 U	0.083 U
N-Nitrosodiphenylamine	mg/kg	470	0.072 U	0.078 U	0.071 U	0.076 U	0.071 U	0.075 U	0.095 U	0.079 U	0.072 U	0.4 U	N/A	0.083 U	0.082 U	0.08 U	0.081 U	0.068 U	0.086 U	N/A	0.069 U	0.073 U	0.088 U	0.083 U
Pentachlorophenol	mg/kg	4	0.18 UJ	0.19 U	0.18 R	0.19 R	0.18 R	0.19 R	0.24 U	0.2 U	0.18 U	1 U	N/A	0.21 U	0.2 UJ	0.2 U	0.2 U	0.17 U	0.22 U	N/A	0.17 U	**0.073 J**	0.22 U	0.21 UJ
Phenanthrene	mg/kg		**0.031 J**	0.0079 U	**0.12**	**11.3**	**0.13**	**0.4**	0.13 B	**8.4**	0.077 B	**0.3**	N/A	**11.5**	**0.0013 J**	**3.3**	**1.1**	**7.6**	**2.1**	N/A	**5.5**	**96**	**0.32**	0.0085 U
Phenol	mg/kg	250,000	0.072 UJ	0.078 U	0.071 R	0.076 R	0.071 R	0.075 R	0.095 U	**0.041 J**	0.072 U	0.08 U	N/A	**0.31 J**	0.082 U	**0.025 J**	0.081 U	0.068 U	**0.029 J**	N/A	0.069 U	**0.16**	0.088 U	0.083 UJ
Pyrene	mg/kg	23,000	**0.076**	0.0079 U	**0.24**	**11.8**	**0.12**	**0.17**	0.21 B	**8.1**	0.17 B	**0.49**	N/A	**9.4**	0.0081 U	**3.1**	**0.85**	**8.6**	**1.9**	N/A	**6.5**	**111**	**0.48**	0.0085 U
PCBs																								
Aroclor 1242	mg/kg	0.97	0.0533 U	N/A	0.0551 U	N/A	0.0529 U	N/A	0.143 U	N/A	0.0552 U	N/A	N/A	0.062 U	N/A	0.062 U	N/A	0.0644 U	N/A	N/A	0.0548 U	N/A	0.0596 U	N/A
Aroclor 1248	mg/kg	0.94	0.0533 U	N/A	0.0551 U	N/A	0.0529 U	N/A	**1.48**	N/A	**0.121**	N/A	N/A	0.062 U	N/A	0.062 U	N/A	0.0644 U	N/A	N/A	0.0548 U	N/A	**0.165**	N/A
Aroclor 1254	mg/kg	0.97	0.0533 U	N/A	0.0551 U	N/A	0.0529 U	N/A	**0.978**	N/A	**0.148**	N/A	N/A	0.062 U	N/A	0.062 U	N/A	0.0644 U	N/A	N/A	0.0548 U	N/A	**0.635**	N/A
Aroclor 1260	mg/kg	0.99	**0.0259 J**	N/A	0.0551 U	N/A	0.0529 U	N/A	0.143 U	N/A	0.0552 U	N/A	N/A	0.062 U	N/A	0.062 U	N/A	0.0644 U	N/A	N/A	0.0548 U	N/A	0.0596 U	N/A
Aroclor 1262	mg/kg		0.0533 U	N/A	0.0551 U	N/A	0.0529 U	N/A	**2.32**	N/A	**1.29**	N/A	N/A	**0.059 J**	N/A	0.062 U	N/A	0.0644 U	N/A	N/A	**0.0884**	N/A	**0.834**	N/A
Aroclor 1268	mg/kg		0.0533 U	N/A	0.0551 U	N/A	0.0529 U	N/A	0.143 U	N/A	0.0552 U	N/A	N/A	0.062 U	N/A	0.062 U	N/A	**1.98**	N/A	N/A	0.0548 U	N/A	0.0596 U	N/A
PCBs (total)	mg/kg	0.97	**0.0259 J**	N/A	0.0551 U	N/A	0.0529 U	N/A	**4.778**	N/A	**1.559**	N/A	N/A	**0.059 J**	N/A	0.062 U	N/A	**1.98**	N/A	N/A	**0.0884**	N/A	**1.634**	N/A
TPH																								
Diesel Range Organics	mg/kg	6,200	**11.6 J**	7.9 UJ	**76.7 J**	**87.4 J**	**30.2 J**	**24.3 J**	**75.1**	**106**	**545**	**5,150**	**62.9**	**296 J**	**3.4 J**	**156 J**	**8.7 J**	**198**	**6.670**	**835**	**233**	**855**	**39.7 J**	**3.9 J**
Gasoline Range Organics	mg/kg	6,200	10.3 U	10.1 U	9.8 U	9.6 U	11.2 U	10.4 U	16.8 U	9.7 U	11.4 U	10.1 U	N/A	21.1 U	10.1 U	17.3 U	9.7 U	9.6 U	**22.6**	N/A	10.4 U	9.3 U	15.6 U	11.4 U

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-151-SB-1	B22-152-SB-1*	B22-152-SB-6*	B22-153-SB-1	B22-153-SB-4	B22-154-SB-1*	B22-154-SB-5*	B22-155-SB-1*	B22-155-SB-5*	B22-156-SB-1*	B22-156-SB-4.5*	B22-157-SB-1*	B22-158-SB-1*	B22-158-SB-8*	B22-159-SB-1	B22-160-SB-1	B22-161-SB-1	B22-161-SB-4.5	B22-162-SB-1*	B22-162-SB-5*	B22-163-SB-1*
Volatile Organic Compounds																							
1,1,1-Trichloroethane	mg/kg	36,000	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	0.005 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.065 UJ	0.051 U	2.5 U	0.057 U	2.4 U	0.053 U	0.06 U	0.049 U	0.048 U	0.049 U	0.047 U	0.062 U	0.045 U	0.049 U	0.055 U	0.074 UJ	0.06 UJ	0.078 UJ	3.1 U	0.044 U	0.05 U
1,1,2-Trichloroethane	mg/kg	5	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	0.005 U
1,1-Dichloroethane	mg/kg	16	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	**0.0031 J**
1,1-Dichloroethene	mg/kg	1,000	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	0.005 U
1,2,3-Trichlorobenzene	mg/kg	930	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 UJ	0.0078 U	0.31 U	0.0044 U	0.005 U
1,2,4-Trichlorobenzene	mg/kg	110	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 UJ	0.0078 U	0.31 U	0.0044 U	0.005 U
1,2-Dichloroethane	mg/kg	2	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	0.005 U
1,2-Dichloroethene (Total)	mg/kg	2,300	0.013 U	0.01 U	0.5 U	0.011 U	0.48 U	0.011 U	0.012 U	0.0098 U	0.0095 U	0.0098 U	0.0094 U	0.012 U	0.0089 U	0.0098 U	0.011 U	0.015 U	0.012 U	0.016 U	0.61 U	0.0088 U	**0.006 J**
1,4-Dichlorobenzene	mg/kg	11	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 UJ	0.0078 U	**0.18 J**	0.0044 U	0.005 U
1,4-Dioxane	mg/kg	24	0.13 R	0.1 U	5 U	0.11 R	4.8 R	0.11 U	0.12 U	0.098 U	0.095 U	0.098 U	0.094 U	0.12 U	0.089 U	0.098 U	0.11 R	0.15 R	0.12 R	0.16 R	6.1 U	0.088 U	0.1 U
2-Butanone (MEK)	mg/kg	190,000	0.013 U	0.01 U	0.5 U	0.011 U	0.48 U	0.011 U	0.012 U	0.0098 U	0.0095 U	0.0098 U	**0.0024 J**	**0.0078 J**	0.0089 U	0.0098 U	0.011 U	**0.015**	**0.011 J**	0.016 U	**0.17 J**	**0.0025 J**	0.01 U
2-Hexanone	mg/kg	1,300	0.013 U	0.01 U	0.5 U	0.011 U	0.48 U	0.011 U	0.012 U	0.0098 U	0.0095 U	0.0098 U	0.0094 U	**0.0023 J**	0.0089 U	0.0098 U	0.011 U	0.015 U	**0.0036 J**	0.016 U	0.61 U	0.0088 U	0.01 U
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.013 UJ	0.01 U	0.5 U	0.011 U	0.48 U	0.011 U	0.012 U	0.0098 U	0.0095 U	0.0098 U	0.0094 U	0.012 U	0.0089 U	0.0098 U	0.011 U	0.015 UJ	0.012 UJ	0.016 UJ	**0.61 J**	0.0088 U	0.01 U
Acetone	mg/kg	670,000	**0.0073 J**	0.01 U	0.5 U	0.011 U	0.48 U	**0.0058 J**	**0.006 J**	0.0098 U	**0.0058 J**	0.0098 U	**0.015**	**0.075**	**0.0065 J**	**0.0076 J**	0.011 U	**0.086**	**0.048**	0.016 U	**0.46 J**	**0.023**	**0.023**
Benzene	mg/kg	5.1	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	**0.0048 J**	0.006 U	**0.003 J**	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	**0.0019 J**	**0.0099**
Chlorobenzene	mg/kg	1,300	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	0.005 U
Chloroethane	mg/kg	57,000	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	0.005 U
Chloroform	mg/kg	1.4	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	0.005 U
cis-1,2-Dichloroethene	mg/kg	2,300	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	**0.006**
Cyclohexane	mg/kg	27,000	0.013 U	0.01 U	0.5 U	0.011 U	0.48 U	0.011 U	0.012 U	0.0098 U	0.0095 U	0.0098 U	0.0094 U	0.012 U	0.0089 U	0.0098 U	0.011 U	0.015 U	0.012 U	0.016 U	0.61 U	0.0088 U	**0.025**
Ethylbenzene	mg/kg	25	0.0065 U	0.0051 U	**0.15 J**	0.0057 U	**0.18 J**	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	**1.7**	**0.0093**	**0.01**
Isopropylbenzene	mg/kg	9,900	0.0065 U	0.0051 U	**0.32**	0.0057 U	**0.17 J**	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	**1.9**	**0.005**	**0.0026 J**
Methyl Acetate	mg/kg	1,200,000	0.065 UJ	0.051 U	2.5 U	0.057 U	**1.3 J**	0.053 U	0.06 U	0.049 U	0.048 U	0.049 U	0.047 U	0.062 U	0.045 U	0.049 U	0.055 U	0.074 UJ	0.06 UJ	0.078 UJ	**0.19 J**	0.044 U	0.05 U
Methylene Chloride	mg/kg	1,000	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	**0.41**	0.0044 U	0.005 U
Styrene	mg/kg	35,000	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	0.005 U
Tetrachloroethene	mg/kg	100	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	**0.011**
Toluene	mg/kg	47,000	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	**0.1 J**	0.0044 U	**0.0072**
trans-1,2-Dichloroethene	mg/kg	23,000	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	0.005 U
Trichloroethene	mg/kg	6	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	0.005 U
Trichlorofluoromethane	mg/kg	3,100	0.0065 U	0.0051 U	0.25 U	0.0057 UJ	0.24 UJ	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 UJ	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	0.005 U
Vinyl chloride	mg/kg	1.7	0.0065 U	0.0051 U	0.25 U	0.0057 U	0.24 U	0.0053 U	0.006 U	0.0049 U	0.0048 U	0.0049 U	0.0047 U	0.0062 U	0.0045 U	0.0049 U	0.0055 U	0.0074 U	0.006 U	0.0078 U	0.31 U	0.0044 U	0.005 U
Xylenes	mg/kg	2,800	0.02 U	0.015 U	**0.93**	0.017 U	**0.96**	0.016 U	0.018 U	0.015 U	0.014 U	0.015 U	0.014 U	**0.0052 J**	0.013 U	0.015 U	0.017 U	0.022 U	0.018 U	0.024 U	**1.2**	**0.0061 J**	**0.026**
Semi-Volatile Organic Compounds^																							
1,1-Biphenyl	mg/kg	200	0.073 U	**0.03 J**	**3.2**	0.086 U	**0.4**	**0.068 J**	0.074 U	**0.12**	0.075 U	0.073 U	0.081 U	0.078 U	**0.021 J**	**0.016 J**	0.073 U	0.081 U	0.081 U	**0.065 J**	**3.8**	**0.14**	**0.018 J**
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.073 U	0.083 U	0.35 U	0.086 U	0.073 U	0.071 U	0.074 U	0.072 U	0.075 U	0.073 U	0.081 U	0.078 U	0.071 U	0.07 U	0.073 U	0.081 U	0.081 U	0.086 U	1.3 U	0.081 U	0.081 U
2,4-Dimethylphenol	mg/kg	16,000	0.073 U	0.083 U	0.35 U	0.086 U	0.37 UJ	0.071 U	0.074 U	0.072 U	0.075 U	0.073 U	0.081 U	0.078 U	0.071 U	0.07 U	0.073 U	0.081 U	0.081 U	0.086 U	1.3 U	0.081 U	0.081 U
2-Chloronaphthalene	mg/kg	60,000	0.073 U	0.083 U	0.35 U	0.086 U	0.073 U	0.071 U	0.074 U	0.072 U	0.075 U	0.073 U	0.081 U	0.078 U	0.071 U	0.07 U	0.073 U	0.081 U	0.081 U	0.086 U	1.3 U	0.081 U	0.081 U
2-Methylnaphthalene	mg/kg	3,000	0.073 U	**0.1**	**66.1**	**0.046 J**	**10.6**	**0.18**	**0.0029 J**	**0.68**	**0.039 J**	0.074 U	0.0081 U	**0.043 J**	**0.066**	**0.048**	**0.018**	0.081 U	**0.05 J**	**0.32**	**23.3**	**0.42**	**0.065 J**
2-Methylphenol	mg/kg	41,000	0.073 U	0.083 U	0.35 U	0.086 U	0.073 UJ	0.071 U	0.074 U	0.072 U	0.075 U	0.073 U	0.081 U	0.078 U	0.071 U	0.07 U	0.073 U	0.081 U	0.081 U	0.086 U	1.3 U	0.081 U	0.081 U
2-Nitroaniline	mg/kg	8,000	0.18 U	0.21 U	0.88 U	0.21 U	0.18 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.2 U	0.19 U	0.18 U	0.18 U	0.18 U	0.2 U	0.2 U	0.21 U	3.3 U	0.2 U	0.2 U
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.15 U	0.17 U	0.7 U	0.17 U	0.15 UJ	0.14 U	0.15 U	0.14 U	0.15 U	0.14 U	0.16 U	0.16 U	0.14 U	0.14 U	0.14 U	0.16 U	0.16 U	**0.03 J**	2.7 U	0.16 U	0.16 U
4-Nitroaniline	mg/kg	110	0.18 UJ	0.21 U	0.88 U	0.21 U	0.18 U	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.2 U	0.19 U	0.18 U	0.18 U	0.18 U	0.2 UJ	0.2 UJ	0.21 UJ	3.3 U	0.2 U	0.2 U
Acenaphthene	mg/kg	45,000	**0.0072 J**	0.082 U	**3.8**	0.088 U	**1**	**0.17**	**0.0069 J**	**1.8**	0.075 U	0.074 U	0.0081 U	**0.0068 J**	**0.0035 J**	**0.0049 J**	**0.0015 J**	0.081 U	0.082 U	**0.24**	**3.1**	**0.079**	**0.016 J**
Acenaphthylene	mg/kg	45,000	0.073 U	**0.037 J**	**0.66**	**0.018 J**	**0.19**	**0.14**	**0.0046 J**	**0.25**	**0.0078 J**	**0.013 J**	0.0081 U	**0.032 J**	**0.018**	**0.0089**	**0.0031 J**	0.081 U	**0.017 J**	**0.063 J**	**0.55**	**0.014**	**0.0093 J**
Acetophenone	mg/kg	120,000	0.073 U	0.083 U	0.35 U	0.086 U	0.073 U	**0.034 J**	0.074 U	**0.026 J**	0.075 U	0.073 U	0.081 U	0.078 U	0.071 U	0.07 U	0.073 U	0.081 U	0.081 U	0.086 U	1.3 U	0.081 U	0.081 U
Anthracene	mg/kg	230,000	**0.058 J**	**0.057 J**	**1.4**	**0.03 J**	**0.8**	**0.33**	**0.044**	**4.3**	0.0065 B	**0.036 J**	0.0081 U	**0.046 J**	**0.02**	**0.031**	**0.009**	0.081 U	**0.023 J**	**0.21**	**2.8**	**0.017**	**0.042 J**
Benz[a]anthracene	mg/kg	21	**0.25**	**0.034 J**	**1.2**	**0.033 J**	**0.18**	**1.8**	**0.37**	**7.3**	0.041 B	**0.15**	0.0081 U	**0.2**	**0.099**	**0.14**	**0.056**	N/A	**0.071 J**	**0.55**	**0.72**	**0.0063 J**	**0.17**
Benzaldehyde	mg/kg	120,000	0.073 R	**0.065 J**	0.35 U	**0.023 J**	0.073 R	**0.022 J**	0.074 U	**0.022 J**	0.075 U	**0.029 J**	0.081 U	**0.022 J**	0.071 U	0.07 U	0.073 R	0.081 R	0.081 R	0.086 R	1.3 U	0.081 U	0.081 U
Benzo[a]pyrene	mg/kg	2.1	**0.22**	**0.05 J**	**0.91**	**0.027 J**	**0.14**	**2.5**	**0.38**	**6**	**0.04 J**	**0.098**	0.0081 U	**0.19**	**0.14**	**0.15**	**0.072**	0.081 U	**0.084**	**0.53**	**0.53**	**0.0016 J**	**0.16**
Benzo[b]fluoranthene	mg/kg	21	**0.46**	**0.11**	**2**	**0.069 J**	**0.28**	**4.7**	**0.9**	**11.9**	0.095 B	**0.26**	0.0081 U	**0.43**	**0.3**	**0.31**	**0.16**	**0.018 J**	**0.22**	**1.4**	**1.6**	**0.0048 J**	**0.35**
Benzo[g,h,i]perylene	mg/kg		**0.07 J**	**0.4**	**0.62**	**0.026 J**	**0.047 J**	**1**	**0.22**	**2.9**	**0.036 J**	**0.046 J**	0.0081 U	**0.059 J**	**0.075**	**0.11**	**0.036**	0.081 U	**0.052 J**	**0.24**	**0.56**	0.008 U	**0.12**
Benzo[k]fluoranthene	mg/kg	210	**0.4**	**0.093**	**1.9**	**0.058 J**	**0.23**	**3.9**	**0.78**	**10.3**	**0.083**	**0.22**	0.0081 U	**0.35**	**0.28**	**0.27**	**0.14**	**0.016 J**	**0.19**	**1.2**	**1.4**	**0.0038 J**	**0.26**
bis(2-Ethylhexyl)phthalate	mg/kg	160	0.039 B	0.083 U	**0.15**	0.026 B	0.073 UJ	**0.039 J**	0.074 U	**0.066 J**	**0.042 J**	**0.048 J**	0.081 U	0.078 U	0.071 U	0.07 U	0.073 U	0.081 UJ	0.081 UJ	0.022 B	0.27 U	0.081 U	**0.26**
Carbazole	mg/kg		0.073 U	0.083 U	0.35 U	0.086 U	0.073 U	**0.098**	**0.063 J**	**0.43**	0.075 U	**0.019 J**	0.081 U	0.078 U	0.071 U	0.07 U	0.073 U	0.081 U	0.081 U	**0.024 J**	1.3 U	0.081 U	0.081 U
Chrysene	mg/kg	2,100	**0.24**	**0.037 J**	**1.5**	**0.03 J**	**0.25**	**1.9**	**0.32**	**5.9**	0.034 B	**0.13 J**	0.0081 U	**0.18**	**0.12**	**0.14**	**0.056**	0.081 U	**0.067 J**	**0.49**	**1**	**0.0036 J**	**0.12**
Dibenz[a,h]anthracene	mg/kg	2.1	**0.027 J**	**0.048 J**	**0.19**	0.088 U	**0.018 J**	**0.38**	**0.085**	**0.83**	0.075 U	**0.014 J**	0.0081 U	0.078 U	**0.026**	**0.027**	**0.011**	0.081 U	**0.02 J**	**0.1**	**0.21 J**	0.008 U	**0.038 J**
Diethylphthalate	mg/kg	660,000	0.073 U	0.083 U	0.35 U	0.086 U	0.073 U	0.071 U	0.074 U	0.072 U	0.075 U	0.073 U	0.081 U	0.078 U	0.071 U	0.07 U	0.073 U	0.081 U	0.081 U	0.086 U	1.3 U	0.081 U	0.081 U
Di-n-butylphthalate	mg/kg	82,000	0.073 U	**0.031 J**	0.35 U	0.086 U	0.073 U	0.071 U	0.074 U	0.072 U	0.075 U	**0.028 J**	0.081 U	0.078 U	0.071 U	0.07 U	0.073 U	0.081 U	0.081 U	0.086 U	1.3 U	0.081 U	0.081 U
Di-n-ocytlphthalate	mg/kg	8,200	0.073 UJ	0.083 U	0.07 U	0.086 UJ	0.073 UJ	0.071 U	0.074 U	0.072 U	0.075 U	0.073 U	0.081 U	0.078 U	0.071 U	0.07 U	0.073 U	0.081 UJ	0.081 UJ	0.086 UJ	0.27 U	0.081 U	0.081 U
Fluoranthene	mg/kg	30,000	**0.37**	**0.041 J**	**3.1**	**0.04 J**	**0.46**	**2.7**	**0.45**	**16**	0.039 B	**0.29**	0.0081 U	**0.32**	**0.13**	**0.21**	**0.065**	0.081 U	**0.09**	**0.68**	**1.9**	**0.019**	**0.25**
Fluorene	mg/kg	30,000	0.073 U	**0.019 J**	**5.1**	**0.012 J**	**0.86**	**0.061**	**0.0059 J**	**1.4**	0.075 U	0.074 U	0.0081 U	**0.01 J**	**0.0037 J**	**0.0071**	**0.0013 J**	0.081 U	0.082 U	**0.29**	**4.6**	**0.12**	**0.017 J**
Hexachlorobenzene	mg/kg	0.96	0.073 U	0.083 U	0.35 U	0.086 U	0.073 U	0.071 U	0.074 U	0.072 U	0.075 U	0.073 U	0.081 U	0.078 U	0.071 U	0.07 U	0.073 U	0.081 U	0.081 U	0.086 U	1.3 U	0.081 U	0.081 U
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.067 J**	**0.02 J**	**0.55**	**0.016 J**	**0.034 J**	**1.1**	**0.24**	**2.9**	**0.026 J**	**0.037 J**	0.0081 U	**0.06 J**	**0.081**	**0.1**	**0.032 J**	0.081 U	**0.049 J**	**0.24**	**0.45**	0.008 U	**0.1**
Naphthalene	mg/kg	17	0.073 U	**0.057 J**	**10**	0.039 B	**1.1**	**0.25**	**0.013**	**0.35**	0.075 U	**0.026 J**	0.0081 U	**0.036 J**	**0.054**	**0.027**	**0.02**	0.081 U	0.042 B	**0.45**	**5.3**	**0.054**	**0.042 J**
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.073 U	0.083 U	0.35 U	0.086 U	0.073 U	0.071 U	0.074 U	0.072 U	0.075 U	0.073 U	0.081 U	0.078 U	0.071 U	0.07 U	0.073 U	0.081 U	0.081 U	0.086 U	1.3 U	0.081 U	0.081 U
N-Nitrosodiphenylamine	mg/kg	470	0.073 U	0.083 U	0.35 U	0.086 U	0.073 U	0.071 U	0.074 U	0.072 U	0.075 U	0.073 U	0.081 U	0.078 U	0.071 U	0.07 U	0.073 U	0.081 U	0.081 U	0.086 U	1.3 U	0.081 U	0.081 U
Pentachlorophenol	mg/kg	4	0.18 U	0.21 U	0.88 U	0.21 U	0.18 UJ	0.18 U	0.19 U	0.18 U	0.19 U	0.18 U	0.2 U	0.19 U	0.18 U	0.18 U	0.18 U	0.2 U	0.2 U	0.21 U	3.3 U	0.2 U	0.2 U
Phenanthrene	mg/kg		**0.18**	**0.045 J**	**13.2**	**0.039 J**	**3.6**	**0.96**	**0.17**	**12.5**	0.03 B	**0.11**	**0.00074 J**	**0.18**	**0.078**	**0.12**	**0.037**	0.081 U	**0.14**	**1.2**	**8.7**	**0.26**	**0.17**
Phenol	mg/kg	250,000	0.073 U	0.083 U	0.35 U	0.086 U	0.073 UJ	0.071 U	0.074 U	0.072 U	0.075 U	0.073 U	0.081 U	0.078 U	0.071 U	0.07 U	0.073 U	0.081 U	0.081 U	0.086 U	1.3 U	0.081 U	0.081 U
Pyrene	mg/kg	23,000	**0.35**	**0.049 J**	**3.3**	**0.041 J**	**0.74**	**2.6**	**0.35**	**14.1**	0.036 B	**0.31**	0.0081 U	**0.27**	**0.12**	**0.19**	**0.059**	**0.013 J**	**0.064 J**	**0.5**	**3.8**	**0.044**	**0.26**
PCBs																							
Aroclor 1242	mg/kg	0.97	0.0534 U	0.0541 U	N/A	**1.01**	N/A	0.0545 U	N/A	0.0593 U	N/A	0.0551 U	N/A	0.0598 U	0.0583 U	N/A	0.055 U	0.0701 U	0.0555 U	N/A	0.061 U	N/A	0.0616 U
Aroclor 1248	mg/kg	0.94	0.0534 U	0.0541 U	N/A	0.0657 U	N/A	0.0545 U	N/A	0.0593 U	N/A	**0.0719**	N/A	0.0598 U	0.0583 U	N/A	0.055 U	0.0701 U	0.0555 U	N/A	0.061 U	N/A	0.0616 U
Aroclor 1254	mg/kg	0.97	0.0534 U	0.0541 U	N/A	0.0657 U	N/A	**0.0902**	N/A	**0.0647**	N/A	**0.0463 J**	N/A	0.0598 U	0.0583 U	N/A	0.055 U	0.0701 U	0.0555 U	N/A	0.061 U	N/A	0.0616 U
Aroclor 1260	mg/kg	0.99	0.0534 U	0.0541 U	N/A	0.0657 U	N/A	0.0545 U	N/A	0.0593 U	N/A	0.0551 U	N/A	0.0598 U	0.0583 U	N/A	0.055 U	0.0701 U	0.0555 U	N/A	0.061 U	N/A	0.0616 U
Aroclor 1262	mg/kg		0.0534 U	0.0541 U	N/A	**0.0271 J**	N/A	0.0545 U	N/A	0.0593 U	N/A	**0.0556**	N/A	0.0598 U	**0.0405 J**	N/A	**0.0547 J**	**0.094**	0.0555 U	N/A	0.061 U	N/A	0.0616 U
Aroclor 1268	mg/kg		**0.16**	0.0541 U	N/A	0.0657 U	N/A	**0.23**	N/A	**0.412**	N/A	0.0551 U	N/A	**0.133**	0.0583 U	N/A	0.055 U	0.0701 U	0.0555 U	N/A	**0.0939**	N/A	**1**
PCBs (total)	mg/kg	0.97	**0.16**	0.0541 U	N/A	**1.0371**	N/A	**0.3202**	N/A	**0.4767**	N/A	**0.1738**	N/A	**0.133**	**0.0405 J**	N/A	**0.0547 J**	**0.094**	0.0555 U	N/A	**0.0939**	N/A	**1**
TPH																							
Diesel Range Organics	mg/kg	6,200	**54.8 J**	**859**	**6,610**	**339 J**	**2,630 J**	**213**	**17.3**	**216**	**82.9**	**55.7**	**3.3 J**	**207**	**38.8**	**67.7**	**31.7 J**	**2,020 J**	**247 J**	**210 J**	**39,100**	**266**	**67**
Gasoline Range Organics	mg/kg	6,200	13.1 U	11.2 U	**93.4**	11.3 U	**75.1**	9.3 U	13.4 U	9.8 U	11 U	9.9 U	9.6 U	10.5 U	9.8 U	10.5 U	10.5 U	17.8 U	**10.1 J**	14.4 U	**110**	9.3 U	8.8 U

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-163-SB-5*	B22-164-SB-1*	B22-164-SB-6*	B22-165-SB-1*	B22-165-SB-4*	B22-166-SB-1	B22-166-SB-4	B22-167-SB-1*	B22-167-SB-5*	B22-167-SB-10	B22-168-SB-1	B22-168-SB-4	B22-169-SB-1	B22-169-SB-4	B22-170-SB-1	B22-170-SB-4	B22-171-SB-1	B22-171-SB-5	B22-172-SB-1	B22-172-SB-5	B22-173-SB-1	B22-173-SB-4
Volatile Organic Compounds																								
1,1,1-Trichloroethane	mg/kg	36,000	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.046 U	0.055 U	0.046 U	3.6 U	0.048 U	0.043 U	0.067 U	0.063 U	0.043 U	N/A	3.7 UJ	0.051 UJ	0.071 UJ	0.059 UJ	0.058 U	0.056 U	0.053 U	0.11 U	0.047 U	0.053 U	0.053 UJ	0.095 UJ
1,1,2-Trichloroethane	mg/kg	5	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
1,1-Dichloroethane	mg/kg	16	0.0046 U	0.0055 U	**0.22**	**0.22 J**	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
1,1-Dichloroethene	mg/kg	1,000	0.0046 U	0.0055 U	**0.011**	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
1,2,3-Trichlorobenzene	mg/kg	930	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
1,2,4-Trichlorobenzene	mg/kg	110	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
1,2-Dichloroethane	mg/kg	2	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
1,2-Dichloroethene (Total)	mg/kg	2,300	0.0093 U	0.011 U	0.0092 U	0.72 U	0.0096 U	0.0086 U	0.013 U	0.013 U	0.0085 U	N/A	0.75 U	0.01 U	0.014 U	0.012 U	0.012 U	0.011 U	0.011 U	0.022 U	0.0095 U	0.011 U	0.011 U	0.019 U
1,4-Dichlorobenzene	mg/kg	11	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	**0.2 J**	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
1,4-Dioxane	mg/kg	24	0.093 U	0.11 U	0.092 U	7.2 U	0.096 U	0.086 R	0.13 R	0.13 U	0.085 U	N/A	7.5 R	0.1 R	0.14 R	0.12 R	0.12 R	0.11 R	0.11 R	0.22 R	0.095 R	0.11 R	0.11 R	0.19 R
2-Butanone (MEK)	mg/kg	190,000	**0.0043 J**	0.011 U	**0.0026 J**	0.72 U	**0.0037 J**	0.0086 U	0.013 U	0.013 U	0.0085 U	N/A	0.75 U	0.01 U	0.014 U	0.012 U	0.012 U	0.011 U	**0.0042 J**	0.022 U	0.0095 U	0.011 U	0.011 U	0.019 U
2-Hexanone	mg/kg	1,300	0.0093 U	0.011 U	0.0092 U	0.72 U	0.0096 U	0.0086 U	0.013 U	0.013 U	0.0085 U	N/A	0.75 U	0.01 U	0.014 U	0.012 U	0.012 U	0.011 U	0.011 U	0.022 U	0.0095 U	0.011 U	0.011 U	0.019 U
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.0093 U	0.011 U	0.0092 U	0.72 U	0.0096 U	0.0086 U	0.013 U	0.013 U	0.0085 U	N/A	0.75 U	0.01 UJ	0.014 U	0.012 UJ	0.012 UJ	0.011 UJ	0.011 UJ	0.022 UJ	0.0095 U	0.011 U	0.011 U	0.019 U
Acetone	mg/kg	670,000	**0.034**	**0.014**	**0.041**	0.72 U	**0.055**	0.0086 U	0.013 U	0.013 U	0.0085 U	N/A	0.75 U	0.01 U	0.014 U	0.012 U	**0.0064 J**	**0.011**	**0.016**	0.022 U	0.0095 U	**0.012**	0.011 U	0.019 U
Benzene	mg/kg	5.1	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
Chlorobenzene	mg/kg	1,300	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
Chloroethane	mg/kg	57,000	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 UJ	0.0095 UJ
Chloroform	mg/kg	1.4	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
cis-1,2-Dichloroethene	mg/kg	2,300	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
Cyclohexane	mg/kg	27,000	0.0093 U	0.011 U	0.0092 U	0.72 U	0.0096 U	0.0086 U	0.013 U	0.013 U	0.0085 U	N/A	0.75 U	0.01 U	0.014 U	0.012 U	0.012 UJ	0.011 UJ	0.011 U	0.022 U	0.0095 U	0.011 U	0.011 U	0.019 U
Ethylbenzene	mg/kg	25	**0.006**	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
Isopropylbenzene	mg/kg	9,900	**0.0057**	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
Methyl Acetate	mg/kg	1,200,000	0.046 U	0.055 U	0.046 U	**1.3 J**	0.048 U	0.043 U	0.067 U	0.063 U	0.043 U	N/A	3.7 U	0.051 U	0.071 U	0.059 U	0.058 U	0.056 U	0.053 U	0.11 U	**0.0024 J**	0.053 U	0.053 U	0.095 U
Methylene Chloride	mg/kg	1,000	0.0046 U	0.0055 U	0.0046 U	**0.47**	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
Styrene	mg/kg	35,000	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 UJ	0.0071 U	0.0059 UJ	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
Tetrachloroethene	mg/kg	100	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 UJ	0.0056 UJ	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
Toluene	mg/kg	47,000	**0.0014 J**	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0036 B
trans-1,2-Dichloroethene	mg/kg	23,000	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
Trichloroethene	mg/kg	6	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
Trichlorofluoromethane	mg/kg	3,100	0.0046 U	0.0055 U	0.0046 U	0.36 U	0.0048 U	0.0043 UJ	0.0067 UJ	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
Vinyl chloride	mg/kg	1.7	**0.0061**	0.0055 U	**0.0042 J**	0.36 U	0.0048 U	0.0043 U	0.0067 U	0.0063 U	0.0043 U	N/A	0.37 U	0.0051 U	0.0071 U	0.0059 U	0.0058 U	0.0056 U	0.0053 U	0.011 U	0.0047 U	0.0053 U	0.0053 U	0.0095 U
Xylenes	mg/kg	2,800	**0.015**	0.017 U	0.014 U	1.1 U	0.014 U	0.013 U	0.02 U	0.019 U	0.013 U	N/A	1.1 U	0.015 U	0.021 U	0.018 U	0.017 U	0.017 U	0.016 U	0.032 U	0.014 U	0.016 U	0.016 U	0.028 U
Semi-Volatile Organic Compounds^																								
1,1-Biphenyl	mg/kg	200	**0.73**	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	0.074 U	**0.053 J**	0.074 U	**0.049 J**	0.077 U	0.08 U	0.075 U	**0.038 J**
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	0.074 U	0.082 U	0.074 U	**0.095**	0.077 U	0.08 U	0.075 U	**0.27**
2,4-Dimethylphenol	mg/kg	16,000	0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	0.074 U	0.082 U	0.074 R	0.088 R	0.077 U	**0.052 J**	0.075 R	0.081 U
2-Chloronaphthalene	mg/kg	60,000	0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	0.074 U	0.082 U	0.074 U	**0.15**	0.077 U	0.08 U	0.075 U	**0.21**
2-Methylnaphthalene	mg/kg	3,000	**3.4**	0.008 U	0.0081 U	0.0083 U	0.0085 U	**0.016**	**0.0067 J**	0.0073 U	0.0078 U	N/A	0.0044 B	0.0082 U	0.0077 U	0.0089 U	**0.047 J**	**0.22**	0.0073 U	**0.16**	0.0078 U	0.0081 U	**0.014**	**0.35**
2-Methylphenol	mg/kg	41,000	0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	0.074 U	0.082 U	0.074 R	0.088 R	0.077 U	0.08 U	0.075 R	**0.017 J**
2-Nitroaniline	mg/kg	8,000	0.21 U	0.2 U	0.2 U	0.21 U	0.21 U	0.18 U	0.21 U	0.18 U	0.19 U	N/A	0.2 U	0.2 U	0.19 U	0.22 U	0.19 U	0.2 U	0.18 U	0.22 U	0.19 U	0.2 U	0.19 U	0.2 U
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.16 U	0.16 U	0.16 U	0.16 U	0.17 U	0.14 U	0.17 U	0.15 U	0.15 U	N/A	0.16 U	0.16 U	0.15 U	0.18 U	0.15 U	0.16 U	0.15 R	**0.023 J**	0.15 U	0.16 U	0.15 R	**0.05 J**
4-Nitroaniline	mg/kg	110	0.21 U	0.2 U	0.2 U	0.21 U	0.21 U	0.18 U	0.21 U	0.18 U	0.19 U	N/A	0.2 U	0.2 U	0.19 U	0.22 U	0.19 UJ	0.2 UJ	0.18 U	0.22 U	0.19 U	0.2 U	0.19 U	0.2 U
Acenaphthene	mg/kg	45,000	**0.45**	**0.00078 J**	0.0081 U	0.0083 U	**0.0012 J**	**0.0033 J**	0.0083 U	0.0073 U	0.0078 U	N/A	**0.005 J**	**0.0019 J**	0.0077 U	0.0089 U	**0.036 J**	**0.063**	0.0073 U	**0.011**	0.0078 U	0.0081 U	**0.0071 J**	**0.011**
Acenaphthylene	mg/kg	45,000	**0.064 J**	0.008 U	0.0081 U	**0.001 J**	**0.0016 J**	**0.042**	**0.0041 J**	0.0073 U	0.0078 U	N/A	**0.00064 J**	0.0082 U	**0.0013 J**	0.0089 U	**0.052 J**	**0.06**	0.0073 U	**0.057**	**0.0011 J**	**0.009**	**0.0098**	**0.35**
Acetophenone	mg/kg	120,000	0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	0.074 U	0.082 U	0.074 U	0.088 U	0.077 U	0.08 U	0.075 U	0.081 U
Anthracene	mg/kg	230,000	**0.38**	**0.0022 J**	0.0081 U	**0.00095 J**	**0.0058 J**	**0.037**	**0.0039 J**	0.0073 U	0.0078 U	N/A	**0.0055 J**	**0.0042 J**	**0.0016 J**	0.0089 U	**0.19**	**0.18**	0.0073 U	**0.05**	0.0078 U	0.0081 U	**0.034**	**0.065**
Benz[a]anthracene	mg/kg	21	**0.068 J**	**0.0071 J**	0.0081 U	**0.0049 J**	**0.017**	**0.17**	**0.012**	**0.0038 J**	0.0078 U	N/A	**0.013**	**0.011**	**0.0043 J**	**0.0017 J**	**0.51**	**0.21**	**0.0014 J**	**0.035**	**0.0043 J**	0.0081 U	**0.065**	**0.14**
Benzaldehyde	mg/kg	120,000	0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 R	0.083 R	0.073 U	0.078 U	N/A	0.078 R	0.082 R	0.076 R	0.088 R	0.074 R	0.082 R	0.074 R	**0.14 J**	0.077 R	0.08 R	0.075 UJ	**0.1 J**
Benzo[a]pyrene	mg/kg	2.1	**0.053 J**	**0.0045 J**	0.0081 U	**0.0031 J**	**0.013**	**0.23**	**0.014**	0.0073 U	0.0078 U	0.0085 U	**0.0043 J**	**0.0031 J**	**0.0045 J**	0.0089 U	**0.4**	**0.18**	0.0073 U	**0.027**	**0.0047 J**	0.0081 U	**0.058**	**0.17**
Benzo[b]fluoranthene	mg/kg	21	**0.1**	**0.0091**	**0.0015 J**	**0.0067 J**	**0.028**	**0.39**	**0.023**	**0.0068 J**	0.0078 U	0.0085 U	**0.056**	**0.015**	**0.017**	**0.00092 J**	**1**	**0.37**	**0.001 J**	**0.056**	**0.0095**	0.0081 U	**0.16**	**0.44**
Benzo[g,h,i]perylene	mg/kg		**0.033 J**	**0.0024 J**	0.0081 U	**0.0024 J**	**0.0075 J**	**0.14**	**0.014**	**0.00091 J**	0.0078 U	N/A	**0.015**	**0.0043 J**	**0.012**	0.0089 U	**0.11**	**0.06**	0.0073 U	**0.028**	**0.0045 J**	0.0081 U	**0.022**	**0.073**
Benzo[k]fluoranthene	mg/kg	210	**0.077 J**	**0.0068 J**	0.0081 U	**0.005 J**	**0.021**	**0.13**	**0.011**	**0.0065 J**	0.0078 U	N/A	**0.047**	**0.013**	**0.015**	0.0089 U	**0.87**	**0.31**	0.0073 U	**0.054**	**0.009**	0.0081 U	**0.14**	**0.37**
bis(2-Ethylhexyl)phthalate	mg/kg	160	0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	0.074 UJ	0.082 U	0.074 U	0.088 U	0.077 U	0.08 U	0.075 UJ	0.081 UJ
Carbazole	mg/kg		0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	**0.038 J**	**0.42**	0.074 U	0.088 U	0.077 U	0.08 U	0.075 UJ	**0.033 J**
Chrysene	mg/kg	2,100	**0.1**	**0.0048 J**	**0.001 J**	**0.0034 J**	**0.012**	**0.19**	**0.019**	**0.0061 J**	0.0078 U	N/A	**0.028**	**0.0082 J**	**0.006 J**	**0.001 J**	**0.61**	**0.21**	**0.00085 J**	**0.11**	**0.0036 J**	0.0081 U	**0.079**	**0.2**
Dibenz[a,h]anthracene	mg/kg	2.1	0.082 U	0.008 U	0.0081 U	0.0083 U	**0.0028 J**	**0.04**	**0.003 J**	0.0073 U	0.0078 U	N/A	**0.004 J**	**0.0015 J**	**0.0027 J**	0.0089 U	**0.042 J**	**0.024**	0.0073 U	**0.013**	**0.0012 J**	0.0081 U	**0.0083**	**0.03**
Diethylphthalate	mg/kg	660,000	0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	0.074 U	0.082 U	0.074 U	0.088 U	0.077 U	0.08 U	0.075 U	0.081 U
Di-n-butylphthalate	mg/kg	82,000	0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	0.074 U	0.082 U	0.074 U	0.088 U	0.077 U	0.08 U	0.075 UJ	0.081 UJ
Di-n-octylphthalate	mg/kg	8,200	0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	0.074 UJ	0.082 UJ	0.074 U	0.088 U	0.077 U	0.08 U	0.075 U	0.081 UJ
Fluoranthene	mg/kg	30,000	**0.15**	**0.012**	**0.0017 J**	**0.0068 J**	**0.027**	**0.18**	**0.017**	**0.0073 J**	0.0078 U	N/A	**0.06**	**0.036**	**0.0097**	0.0026 B	**1.1**	**0.61**	**0.0012 J**	**0.08**	**0.0049 J**	0.0081 U	**0.15**	**0.26**
Fluorene	mg/kg	30,000	**0.64**	**0.001 J**	0.0081 U	0.0083 U	**0.0014 J**	**0.0085**	**0.0019 J**	0.0073 U	0.0078 U	N/A	**0.0029 J**	**0.0018 J**	0.0077 U	0.0089 U	**0.028 J**	**0.28**	0.0073 U	**0.022**	0.0078 U	0.0081 U	**0.01**	**0.029**
Hexachlorobenzene	mg/kg	0.96	0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	0.074 U	0.082 U	0.074 U	0.088 U	0.077 U	0.08 U	0.075 U	0.081 U
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.02 J**	**0.002 J**	0.0081 U	**0.0019 J**	**0.0069 J**	**0.14 J**	**0.012 J**	0.0073 U	0.0078 U	N/A	**0.013**	**0.0035 J**	**0.0087**	0.0089 U	**0.099**	**0.065**	0.0073 U	**0.014**	**0.0037 J**	0.0081 U	**0.023**	**0.084**
Naphthalene	mg/kg	17	**0.65**	0.008 U	0.0081 U	0.0083 U	0.0085 U	**0.042**	**0.0098**	**0.0023 J**	0.0078 U	N/A	0.0079 U	0.0082 U	0.0019 B	0.0089 U	**0.11**	**2.3**	0.0073 U	**0.18**	**0.0025 J**	**0.002 J**	**0.014**	**0.65**
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	0.074 U	0.082 U	0.074 U	0.088 U	0.077 U	0.08 U	0.075 U	0.081 U
N-Nitrosodiphenylamine	mg/kg	470	0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	0.074 U	0.082 U	0.074 U	0.088 U	0.077 U	0.08 U	0.075 U	0.081 U
Pentachlorophenol	mg/kg	4	0.21 U	0.2 U	0.2 U	0.21 U	0.21 U	0.18 U	0.21 U	0.18 U	0.19 U	N/A	0.2 U	0.2 U	0.19 U	0.22 U	0.19 U	0.2 U	0.18 R	0.22 R	0.19 U	0.2 U	0.19 R	0.2 UJ
Phenanthrene	mg/kg		**1.4**	**0.01**	**0.0016 J**	**0.0035 J**	**0.021**	**0.078**	**0.019**	**0.0028 J**	0.0078 U	N/A	**0.026**	**0.02**	**0.0095**	**0.0024 J**	**0.84**	**0.97**	**0.0022 J**	**0.36**	**0.0023 J**	0.0081 U	**0.12**	**0.48**
Phenol	mg/kg	250,000	0.082 U	0.08 U	0.08 U	0.082 U	0.084 U	0.072 U	0.083 U	0.073 U	0.078 U	N/A	0.078 U	0.082 U	0.076 U	0.088 U	0.074 U	0.082 U	0.074 R	0.088 R	0.077 U	0.08 U	0.075 R	**0.023 J**
Pyrene	mg/kg	23,000	**0.31**	**0.0095**	**0.0017 J**	**0.0061 J**	**0.032**	**0.18**	**0.013**	**0.0045 J**	0.0078 U	N/A	**0.13**	**0.038 J**	**0.0044 J**	**0.0015 J**	**1**	**0.44**	**0.001 J**	**0.079**	**0.0047 J**	0.0081 U	**0.11**	**0.24**
PCBs																								
Aroclor 1242	mg/kg	0.97	N/A	0.0598 U	N/A	0.0633 U	N/A	0.0581 U	N/A	0.0538 U	N/A	N/A	0.0591 U	N/A	**0.0744**	N/A	0.0564 U	N/A	0.0546 U	N/A	0.0568 U	N/A	0.0553 U	N/A
Aroclor 1248	mg/kg	0.94	N/A	0.0598 U	N/A	0.0633 U	N/A	0.0581 U	N/A	0.0538 U	N/A	N/A	0.0591 U	N/A	0.0606 U	N/A	0.0564 U	N/A	0.0546 U	N/A	0.0568 U	N/A	0.0553 U	N/A
Aroclor 1254	mg/kg	0.97	N/A	0.0598 U	N/A	0.0633 U	N/A	0.0581 U	N/A	0.0538 U	N/A	N/A	0.0591 U	N/A	0.0606 U	N/A	0.0564 U	N/A	0.0546 U	N/A	0.0568 U	N/A	0.0553 U	N/A
Aroclor 1260	mg/kg	0.99	N/A	0.0598 U	N/A	0.0633 U	N/A	0.0581 U	N/A	0.0538 U	N/A	N/A	0.0591 U	N/A	0.0606 U	N/A	0.0564 U	N/A	0.0546 U	N/A	0.0568 U	N/A	0.0553 U	N/A
Aroclor 1262	mg/kg		N/A	0.0598 U	N/A	0.0633 U	N/A	0.0581 U	N/A	0.0538 U	N/A	N/A	0.0591 U	N/A	0.0606 U	N/A	0.0564 U	N/A	0.0546 U	N/A	0.0568 U	N/A	**0.0244 J**	N/A
Aroclor 1268	mg/kg		N/A	0.0598 U	N/A	0.0633 U	N/A	0.0581 U	N/A	0.0538 U	N/A	N/A	0.0591 U	N/A	0.0606 U	N/A	0.0564 U	N/A	0.0546 U	N/A	0.0568 U	N/A	0.0553 U	N/A
PCBs (total)	mg/kg	0.97	N/A	0.0598 U	N/A	0.0633 U	N/A	0.0581 U	N/A	0.0538 U	N/A	N/A	0.0591 U	N/A	**0.0744**	N/A	0.0564 U	N/A	0.0546 U	N/A	0.0568 U	N/A	**0.0244 J**	N/A
TPH																								
Diesel Range Organics	mg/kg	6,200	**8,400**	**29.1**	**9.1**	**5.4 J**	**12.4**	**44.3 J**	**23 J**	**6.5 J**	**3 J**	N/A	**96.5 J**	**9.9 J**	**6.4 J**	8.9 UJ	**436 J**	**117 J**	7.3 UJ	**18.9 J**	**3.6 J**	**706 J**	**34.3 J**	**99.2 J**
Gasoline Range Organics	mg/kg	6,200	9 U	11 U	9.6 U	**82.6**	10.8 U	**23.3**	13.5 U	**18.5**	9.2 U	N/A	14.9 U	10 U	17 U	11.3 U	11.6 U	10.3 U	12.6 U	19.3 U	13.6 U	**7.5 J**	11.5 U	20.3 U

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 5 - Parcel B22
Summary of Organics Detected in Soil

Parameter	Units	PAL	B22-174-SB-1*	B22-174-SB-4*	B22-175-SB-1*	B22-175-SB-4*	B22-176-SB-1*	B22-176-SB-8*	B22-177-SB-1*	B22-177-SB-5*	B22-178-SB-1*	B22-178-SB-6*	B22-179-SB-1*	B22-179-SB-6*
Volatile Organic Compounds														
1,1,1-Trichloroethane	mg/kg	36,000	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	170,000	0.065 U	0.053 U	0.05 U	0.051 U	0.047 U	0.048 U	0.061 U	0.05 U	0.05 U	0.042 U	0.061 U	0.06 U
1,1,2-Trichloroethane	mg/kg	5	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
1,1-Dichloroethane	mg/kg	16	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
1,1-Dichloroethene	mg/kg	1,000	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
1,2,3-Trichlorobenzene	mg/kg	930	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
1,2,4-Trichlorobenzene	mg/kg	110	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
1,2-Dichloroethane	mg/kg	2	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
1,2-Dichloroethene (Total)	mg/kg	2,300	0.013 U	0.011 U	0.0099 U	0.01 U	0.0093 U	0.0096 U	0.012 U	0.0099 U	0.01 U	0.0084 U	0.012 U	0.012 U
1,4-Dichlorobenzene	mg/kg	11	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
1,4-Dioxane	mg/kg	24	0.13 U	0.11 U	0.099 U	0.1 U	0.093 U	0.096 U	0.12 U	0.099 U	0.1 U	0.084 U	0.12 U	0.12 U
2-Butanone (MEK)	mg/kg	190,000	0.013 U	0.011 U	**0.033**	0.01 U	0.0093 U	**0.0037 J**	0.012 U	**0.018**	**0.0024 J**	0.0084 U	0.012 U	0.012 U
2-Hexanone	mg/kg	1,300	0.013 U	0.011 U	0.0099 U	0.01 U	0.0093 U	0.0096 U	0.012 U	0.0099 U	0.01 U	0.0084 U	0.012 U	0.012 U
4-Methyl-2-pentanone (MIBK)	mg/kg	56,000	0.013 U	0.011 U	**0.0018 J**	0.01 U	0.0093 U	0.0096 U	0.012 U	0.0099 U	0.01 U	0.0084 U	0.012 U	0.012 U
Acetone	mg/kg	670,000	**0.013 J**	**0.0063 J**	**0.18**	0.01 U	**0.0067 J**	**0.034**	0.012 U	**0.085**	**0.0058 J**	**0.0059 J**	0.012 U	0.012 U
Benzene	mg/kg	5.1	0.0065 U	0.0053 U	0.005 U	**0.0042 J**	0.0047 U	0.0048 U	0.0061 U	**0.0027 J**	**0.0051**	0.0042 U	0.0061 U	0.006 U
Chlorobenzene	mg/kg	1,300	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
Chloroethane	mg/kg	57,000	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
Chloroform	mg/kg	1.4	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
cis-1,2-Dichloroethene	mg/kg	2,300	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
Cyclohexane	mg/kg	27,000	0.013 U	0.011 U	0.0099 U	0.01 U	0.0093 U	0.0096 U	0.012 U	0.0099 U	0.01 U	0.0084 U	0.012 U	0.012 U
Ethylbenzene	mg/kg	25	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	**0.011**	0.005 U	0.0042 U	0.0061 U	0.006 U
Isopropylbenzene	mg/kg	9,900	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	**0.0036 J**	0.005 U	0.0042 U	0.0061 U	0.006 U
Methyl Acetate	mg/kg	1,200,000	0.065 U	0.053 U	0.05 U	0.051 U	0.047 U	0.048 U	0.061 U	0.05 U	0.05 U	0.042 U	0.061 U	0.06 U
Methylene Chloride	mg/kg	1,000	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
Styrene	mg/kg	35,000	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
Tetrachloroethene	mg/kg	100	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
Toluene	mg/kg	47,000	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	**0.0038 J**	**0.0039 J**	0.0042 U	0.0061 U	0.006 U
trans-1,2-Dichloroethene	mg/kg	23,000	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
Trichloroethene	mg/kg	6	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
Trichlorofluoromethane	mg/kg	3,100	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
Vinyl chloride	mg/kg	1.7	0.0065 U	0.0053 U	0.005 U	0.0051 U	0.0047 U	0.0048 U	0.0061 U	0.005 U	0.005 U	0.0042 U	0.0061 U	0.006 U
Xylenes	mg/kg	2,800	0.019 U	0.016 U	0.015 U	0.015 U	0.014 U	0.014 U	0.018 U	**0.04**	0.015 U	0.013 U	0.018 U	0.018 U
Semi-Volatile Organic Compounds^														
1,1-Biphenyl	mg/kg	200	**0.16**	**0.019 J**	**0.18**	**0.4**	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	**0.096**
1,2,4,5-Tetrachlorobenzene	mg/kg	350	0.076 U	0.082 U	0.077 U	0.074 U	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	0.078 U
2,4-Dimethylphenol	mg/kg	16,000	0.076 U	0.082 U	**0.016 J**	**0.017 J**	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	**0.032 J**
2-Chloronaphthalene	mg/kg	60,000	0.076 U	0.082 U	0.077 U	0.074 U	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	0.078 U
2-Methylnaphthalene	mg/kg	3,000	**0.024 J**	0.081 U	**0.34**	**0.76**	**0.11**	**0.074 J**	**0.0079**	**0.0047 J**	**0.032**	**0.022**	0.0075 U	**0.43**
2-Methylphenol	mg/kg	41,000	0.076 U	0.082 U	**0.021 J**	**0.033 J**	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	0.078 U
2-Nitroaniline	mg/kg	8,000	0.19 U	0.21 U	0.19 U	0.18 U	0.18 U	0.19 U	0.18 U	0.2 U	0.17 U	0.17 U	0.19 U	0.19 U
3&4-Methylphenol(m&p Cresol)	mg/kg	41,000	0.15 U	0.16 U	**0.074 J**	**0.13 J**	0.14 U	0.15 U	0.14 U	0.16 U	0.14 U	0.13 U	0.15 U	0.16 U
4-Nitroaniline	mg/kg	110	0.19 U	0.21 U	0.19 U	0.18 U	0.18 U	0.19 U	0.18 U	0.2 U	0.17 U	0.17 U	0.19 U	0.19 U
Acenaphthene	mg/kg	45,000	0.077 U	**0.0082 J**	**0.15**	**0.72**	**0.29**	**0.014 J**	0.0072 U	**0.00086 J**	**0.099**	**0.024**	0.0075 U	**0.41**
Acenaphthylene	mg/kg	45,000	**0.02 J**	**0.031 J**	**3.1**	**4.2**	**0.018**	**0.22**	**0.0038 J**	**0.0015 J**	**0.011**	**0.011**	0.0075 U	**0.032**
Acetophenone	mg/kg	120,000	0.076 U	0.082 U	**0.034 J**	**0.031 J**	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	0.078 U
Anthracene	mg/kg	230,000	**0.051 J**	**0.058 J**	**3.1**	**6.9**	**0.69**	**0.35**	**0.0023 J**	**0.002 J**	**0.03**	**0.011**	**0.0008 J**	**0.041**
Benz[a]anthracene	mg/kg	21	**0.52**	**0.44**	**13.9**	**19**	**0.93**	**2.4**	**0.0099**	**0.0089**	**0.17**	**0.054**	**0.0047 J**	**0.28**
Benzaldehyde	mg/kg	120,000	**0.017 J**	0.082 U	**0.044 J**	**0.023 J**	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	0.078 U
Benzo[a]pyrene	mg/kg	2.1	**0.57**	**0.52**	**11.1**	**14.9**	**0.61**	**2.2**	**0.0098**	**0.0071 J**	**0.34**	**0.1**	**0.0042 J**	**0.16**
Benzo[b]fluoranthene	mg/kg	21	**1.2**	**1.1**	**21.6**	**31.1**	**1.3**	**4.6**	**0.026**	**0.02**	**0.61**	**0.21**	**0.0097**	**0.5**
Benzo[g,h,i]perylene	mg/kg		**0.38**	**0.27**	**5.3**	**6.5**	**0.3**	**1.3**	**0.0093**	**0.0054 J**	**0.23**	**0.064**	**0.0026 J**	**0.068**
Benzo[k]fluoranthene	mg/kg	210	**0.93**	**0.96**	**18.8**	**27.3**	**1.1**	**4**	**0.023**	**0.018**	**0.51**	**0.18**	**0.0085**	**0.44**
bis(2-Ethylhexyl)phthalate	mg/kg	160	**0.062 J**	0.082 U	**0.34**	**0.053 J**	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	**0.024 J**	0.075 U	0.078 U
Carbazole	mg/kg		0.076 U	0.082 U	**1.1**	**3.3**	0.072 U	**0.081**	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	**0.14**
Chrysene	mg/kg	2,100	**0.44**	**0.44**	**10.4**	**14.8**	**0.85**	**2.3**	**0.014**	**0.011**	**0.18**	**0.069**	**0.0041 J**	**0.45**
Dibenz[a,h]anthracene	mg/kg	2.1	**0.12**	**0.089**	**2.2**	**3**	**0.14**	**0.49**	**0.0026 J**	**0.0019 J**	**0.089**	**0.024**	0.0075 U	**0.028**
Diethylphthalate	mg/kg	660,000	0.076 U	0.082 U	0.077 U	0.074 U	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	0.078 U
Di-n-butylphthalate	mg/kg	82,000	0.076 U	0.082 U	0.077 U	0.074 U	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	0.078 U
Di-n-ocytlphthalate	mg/kg	8,200	0.076 U	0.082 U	0.077 U	0.074 U	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	0.078 U
Fluoranthene	mg/kg	30,000	**0.52**	**0.38**	**23.4**	**51**	**1.5**	**3.7**	**0.019**	**0.019**	**0.15**	**0.059**	**0.0064 J**	**0.52**
Fluorene	mg/kg	30,000	0.077 U	**0.01 J**	**0.68**	**3.8**	**0.34**	**0.048 J**	0.0072 U	**0.0014 J**	**0.012**	**0.0043 J**	0.0075 U	**0.1**
Hexachlorobenzene	mg/kg	0.96	0.076 U	0.082 U	0.077 U	0.074 U	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	0.078 U
Indeno[1,2,3-c,d]pyrene	mg/kg	21	**0.33**	**0.25**	**6**	**7.6**	**0.32**	**1.3**	**0.0075**	**0.0051 J**	**0.22**	**0.061**	**0.0024 J**	**0.074**
Naphthalene	mg/kg	17	**0.022 J**	**0.033 J**	**2.4**	**2.8**	**0.074**	**0.14**	**0.0082**	**0.0057 J**	**0.08**	**0.086**	0.0075 U	**3.6**
N-Nitroso-di-n-propylamine	mg/kg	0.33	0.076 U	0.082 U	0.077 U	0.074 U	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	0.078 U
N-Nitrosodiphenylamine	mg/kg	470	0.076 U	0.082 U	0.077 U	0.074 U	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	0.078 U
Pentachlorophenol	mg/kg	4	0.19 U	0.21 U	0.19 U	0.18 U	0.18 U	0.19 U	0.18 U	0.2 U	0.17 U	0.17 U	0.19 U	0.19 U
Phenanthrene	mg/kg		**0.14**	**0.16**	**12.2**	**35.9**	**1.8**	**0.64**	**0.012**	**0.009**	**0.081**	**0.039**	**0.004 J**	**0.17**
Phenol	mg/kg	250,000	0.076 U	0.082 U	**0.076 J**	**0.17**	0.072 U	0.077 U	0.071 U	0.082 U	0.069 U	0.067 U	0.075 U	0.078 U
Pyrene	mg/kg	23,000	**0.5**	**0.34**	**17.5**	**33.8**	**1.1**	**2.9**	**0.015**	**0.014**	**0.16**	**0.058**	**0.0055 J**	**0.41**
PCBs														
Aroclor 1242	mg/kg	0.97	0.231 U	N/A	0.058 U	N/A	0.0539 U	N/A	0.0541 U	N/A	0.0578 U	N/A	0.0532 U	N/A
Aroclor 1248	mg/kg	0.94	0.231 U	N/A	0.058 U	N/A	0.0539 U	N/A	0.0541 U	N/A	0.0578 U	N/A	0.0532 U	N/A
Aroclor 1254	mg/kg	0.97	**6.63**	N/A	**1.22**	N/A	0.0539 U	N/A	0.0541 U	N/A	0.0578 U	N/A	0.0532 U	N/A
Aroclor 1260	mg/kg	0.99	**2.72**	N/A	0.058 U	N/A	0.0539 U	N/A	0.0541 U	N/A	**0.332**	N/A	0.0532 U	N/A
Aroclor 1262	mg/kg		0.231 U	N/A	0.058 U	N/A	0.0539 U	N/A	0.0541 U	N/A	0.0578 U	N/A	0.0532 U	N/A
Aroclor 1268	mg/kg		0.231 U	N/A	0.058 U	N/A	0.0539 U	N/A	0.0541 U	N/A	0.0578 U	N/A	0.0532 U	N/A
PCBs (total)	mg/kg	0.97	**9.35**	N/A	**1.22**	N/A	0.0539 U	N/A	0.0541 U	N/A	**0.332**	N/A	0.0532 U	N/A
TPH														
Diesel Range Organics	mg/kg	6,200	**149**	**257**	**803**	**508**	**102**	**112**	**36.8**	**11.3**	**125**	**105**	**6.6 J**	**14**
Gasoline Range Organics	mg/kg	6,200	11.2 U	11.2 U	11.3 U	10.5 U	9.6 U	9.2 U	13.6 U	10.1 U	10.1 U	11.3 U	13.3 U	14.3 U

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data
^ PAH compounds were analyzed via SIM

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result reported for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-001-SB-1	B22-001-SB-4	B22-002-SB-1	B22-002-SB-7	B22-002-SB-10*	B22-003-SB-1	B22-003-SB-4	B22-004-SB-1	B22-004-SB-4
Metal											
Aluminum	mg/kg	1,100,000	**15,800**	**1,860**	**3,050**	**15,800**	N/A	**15,200**	**11,200**	**13,900**	**15,200**
Antimony	mg/kg	470	2.5 UJ	2.8 UJ	2.5 UJ	2.9 UJ	N/A	3 UJ	3 UJ	2.6 UJ	2.9 UJ
Arsenic	mg/kg	3	**9.3**	**17.6**	**11.6**	**7.6**	2.2 U	**4.3**	**5.7**	**3.8**	2.4 U
Barium	mg/kg	220,000	**324 J**	**114 J**	**70.5 J**	**57.2 J**	N/A	**73 J**	**17.6 J**	**83.4 J**	**92 J**
Beryllium	mg/kg	2,300	**1.7**	0.94 U	**0.27 J**	**1.1**	N/A	**0.78 J**	**0.87 J**	**0.57 J**	**0.54 J**
Cadmium	mg/kg	980	0.5 B	1.4 U	1.1 B	0.2 B	N/A	1.5 U	1.5 U	1.8 B	1.4 U
Chromium	mg/kg	120,000	**89.7**	**101**	**123**	**32.7**	N/A	**18.7**	**14.2**	**21.2**	**31.3**
Chromium VI	mg/kg	6.3	0.29 B	0.39 B	0.42 B	0.34 B	N/A	0.38 B	0.35 B	0.33 B	0.4 B
Cobalt	mg/kg	350	**30.1**	**20.7**	**35.2**	**5.9**	N/A	**2.7 J**	**2.1 J**	**4.1 J**	**3.4 J**
Copper	mg/kg	47,000	**297**	**268**	**244**	**16**	N/A	**10.5**	**10.5**	**35.7**	**10.4**
Iron	mg/kg	820,000	**232,000 J**	**179,000 J**	**313,000 J**	**26,800 J**	N/A	**8,150 J**	**6,930 J**	**18,500 J**	**25,600 J**
Lead	mg/kg	800	**138**	**65.4**	**183**	**23.2**	N/A	**10.4 J**	**10.1 J**	**181 J**	**11.8 J**
Manganese	mg/kg	26,000	**3,780 J**	**875 J**	**2,010 J**	**129 J**	N/A	**29.6 J**	**17.5 J**	**334 J**	**29.5 J**
Mercury	mg/kg	350	**0.013 J+**	**0.013 J+**	**0.018 J+**	**0.043 J-**	N/A	0.13 U	**0.0033 J**	**0.04 J**	**0.063 J**
Nickel	mg/kg	22,000	**115**	**185**	**87.9**	**17.2**	N/A	9.3 B	9.4 B	10.8 B	7 B
Selenium	mg/kg	5,800	3.3 U	3.8 U	3.3 U	3.8 U	N/A	4 U	4 U	3.5 U	3.8 U
Silver	mg/kg	5,800	**2.5 J**	**2.3 J**	**4.5**	2.9 U	N/A	3 U	3 U	2.6 U	2.9 U
Thallium	mg/kg	12	8.4 UJ	9.4 UJ	8.3 UJ	9.6 UJ	N/A	9.9 U	9.9 U	8.7 U	9.6 U
Vanadium	mg/kg	5,800	**21.1 J**	**17.3 J**	**30.9 J**	**44.1 J**	N/A	**20.2 J**	**19.5 J**	**27 J**	**57.4 J**
Zinc	mg/kg	350,000	**62.3 J**	**24.2 J**	**73.9 J**	**58.3 J**	N/A	**23.3**	**17.6**	**5,610**	**49**
Other											
Cyanide	mg/kg	150	**0.095 J-**	**0.05 J-**	**0.36 J-**	**0.49 J-**	N/A	0.66 U	**0.074 J**	**0.23 J**	**0.055 J**

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
J+: The positive result for this analyte is a quantitative estimate but may be biased high.
J-: The positive result for this analyte is a quantitative estimate but may be biased low.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-005-SB-1*	B22-005-SB-4*	B22-005-SB-10*	B22-006-SB-1*	B22-006-SB-7*	B22-007-SB-1	B22-007-SB-4	B22-008-SB-1	B22-008-SB-4
Metal											
Aluminum	mg/kg	1,100,000	**34,400**	**11,600**	N/A	**8,060**	**10,900**	**26,000**	**19,200**	**39,800**	**68,500**
Antimony	mg/kg	470	2.7 U	3 U	N/A	3.2 U	3.2 U	2.7 UJ	3.1 UJ	2.9 UJ	2.5 UJ
Arsenic	mg/kg	3	**4.7**	**10.1**	**4.8**	**3**	**3.8**	2.3 U	2.6 U	2.4 U	2.1 U
Barium	mg/kg	220,000	**311**	**103**	N/A	**82.9**	**45.1**	**255 J**	**210 J**	**491 J**	**98.1 J**
Beryllium	mg/kg	2,300	**5**	**0.4 J**	N/A	**0.27 J**	**0.51 J**	**2.9**	**2.5**	**6**	**0.28 J**
Cadmium	mg/kg	980	0.99 B	**5.8**	N/A	0.55 B	1.6 U	0.42 B	0.37 B	0.29 B	0.31 B
Chromium	mg/kg	120,000	**84.7**	**784**	N/A	**1,310**	**22**	**737**	**364**	**71.5**	**945**
Chromium VI	mg/kg	6.3	0.35 B	0.97 B	N/A	0.7 B	0.33 B	0.39 B	0.41 B	0.37 B	0.35 B
Cobalt	mg/kg	350	**6.1**	**10.4**	N/A	**6.8**	**3.2 J**	**1.2 J**	**1 J**	**1.1 J**	**0.82 J**
Copper	mg/kg	47,000	**62.6**	**258**	N/A	**51.6**	15.6 B	**22.5**	**12.5**	**7.9**	**23**
Iron	mg/kg	820,000	**57,200**	**92,100**	N/A	**188,000**	**15,100**	**134,000 J**	**51,800 J**	**32,800 J**	**154,000 J**
Lead	mg/kg	800	**60.3**	**555**	N/A	**67.1**	**12.9**	**6.8 J**	**6 J**	**2.5 J**	2.1 U
Manganese	mg/kg	26,000	**4,800**	**18,400**	N/A	**22,600**	**299**	**19,000 J**	**8,040 J**	**4,680 J**	**26,700 J**
Mercury	mg/kg	350	0.1 U	**0.26**	N/A	**0.5**	**0.016 J**	**0.004 J**	**0.011 J**	0.13 U	0.1 U
Nickel	mg/kg	22,000	**27**	**36.9**	N/A	**32.3**	**8.8 J**	**10.5**	7 B	6.4 B	9.7 B
Selenium	mg/kg	5,800	**3.5 J**	4 U	N/A	4.2 U	4.3 U	3.6 U	4.1 U	**3.1 J**	3.3 U
Silver	mg/kg	5,800	2.7 U	3 U	N/A	3.2 U	3.2 U	2.7 U	3.1 U	2.9 U	**0.64 J**
Thallium	mg/kg	12	8.9 U	**15.4**	8 U	**6.8 J**	10.7 U	9.1 U	10.3 U	9.6 U	8.2 U
Vanadium	mg/kg	5,800	**170**	**5,420**	N/A	**3,070**	**90.7**	**407 J**	**187 J**	**46.3 J**	**478 J**
Zinc	mg/kg	350,000	**186**	**1,320**	N/A	**185**	**79.6**	**83.8**	**126**	**25.2**	**67.4**
Other											
Cyanide	mg/kg	150	0.57 B	**0.89**	N/A	**2.7**	0.12 B	**0.2 J**	**1.9**	**0.43 J**	**0.1 J**

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B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-009-SB-1	B22-009-SB-6	B22-010-SB-1	B22-010-SB-4	B22-011-SB-1*	B22-011-SB-4*	B22-012-SB-1	B22-012-SB-4	B22-013-SB-1
Metal											
Aluminum	mg/kg	1,100,000	**39,400**	**41,700**	**20,900**	**25,700**	**7,520**	**8,390**	**8,810**	**35,100**	**15,200**
Antimony	mg/kg	470	2.7 UJ	2.8 UJ	2.4 UJ	2.6 UJ	3 U	3 U	3.1 UJ	**2 J-**	2.8 UJ
Arsenic	mg/kg	3	2.3 U	**2.1 J**	**6.9**	**11.2**	**7.7**	**3.4**	**6**	**7.6**	**3.7**
Barium	mg/kg	220,000	**334 J**	**347 J**	**415 J**	**485 J**	**75.3**	**86.5**	**86.5 J+**	**995 J+**	**214**
Beryllium	mg/kg	2,300	**6.6**	**6.8**	**1.1**	**2.7**	**0.24 J**	**0.46 J**	1 U	**3.3**	**0.78 J**
Cadmium	mg/kg	980	0.38 B	0.56 B	0.51 B	0.3 B	0.6 B	0.58 B	**0.39 J**	**0.7 J**	0.8 B
Chromium	mg/kg	120,000	**104 J**	**91.4 J**	**59.7 J**	**68.3 J**	**1,100**	**1,440**	**1,030**	**57.2**	**69.6**
Chromium VI	mg/kg	6.3	0.34 B	0.44 B	0.32 B	0.27 B	0.65 B	0.53 B	1.1 B	0.42 B	0.48 B
Cobalt	mg/kg	350	**1.3 J**	**1.9 J**	**6.9**	**17.7**	**5.4**	**3.7 J**	**6.6**	**24.9**	**4.3 J**
Copper	mg/kg	47,000	**15.5**	**23.9**	**133**	**119**	**43.5**	**43.8**	**51.1**	**61.8**	**72**
Iron	mg/kg	820,000	**21,500 J**	**29,900 J**	**28,900 J**	**31,500 J**	**143,000**	**163,000**	**140,000 J**	**19,000 J**	**23,500**
Lead	mg/kg	800	**28.3 J**	**57.4 J**	**85.9 J**	**20 J**	**42.7**	**61.4**	**64.4**	**456**	**173**
Manganese	mg/kg	26,000	**4,640**	**4,020**	**1,710**	**2,910**	**25,900**	**32,000**	**21,500 J-**	**7,180 J-**	**1,800 J**
Mercury	mg/kg	350	0.1 U	0.11 U	**0.23**	**0.023 J**	**0.027 J**	**0.037 J**	**0.041 J-**	0.11 UJ	**0.9**
Nickel	mg/kg	22,000	6.8 B	**10.1**	**29.4**	**110**	**24.5**	**18.6**	**38.9**	**8.4 J**	**13**
Selenium	mg/kg	5,800	3.6 U	**2.3 J**	**3 J**	3.4 U	4.1 U	4 U	4.2 U	4.1 U	3.7 U
Silver	mg/kg	5,800	2.7 U	2.8 U	2.4 U	2.6 U	3 U	3 U	3.1 U	3.1 U	2.8 U
Thallium	mg/kg	12	9.1 U	9.3 U	8.1 U	8.5 U	**5 J**	**10 J**	10.4 U	10.3 U	9.4 U
Vanadium	mg/kg	5,800	**57.1 J**	**50.3 J**	**45.3 J**	**19 J**	**2,940**	**4,880**	**2,070**	**215**	**55.5**
Zinc	mg/kg	350,000	**171**	**164**	**229**	**33**	**134**	**101**	**272**	**163**	**182**
Other											
Cyanide	mg/kg	150	**0.48 J**	**0.43 J**	**0.91**	**5.9**	**0.97**	**0.8**	**0.82 J-**	**1 J-**	**1.1**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-013-SB-4	B22-014-SB-1	B22-014-SB-5	B22-014-SB-10	B22-015-SB-1*	B22-015-SB-4*	B22-016-SB-1*	B22-016-SB-5*	B22-017-SB-1*
Metal											
Aluminum	mg/kg	1,100,000	**14,500**	**14,900**	**12,000**	N/A	**16,600**	**16,800**	**10,500**	**12,300**	**11,900**
Antimony	mg/kg	470	2.7 UJ	2.8 UJ	2.8 UJ	N/A	2.3 U	2.7 U	2.5 U	2.6 U	2.5 U
Arsenic	mg/kg	3	2.2 U	**5.4**	**4.3**	**8.2**	**5.5**	**6.8**	**7.5**	**7.6**	**4.1**
Barium	mg/kg	220,000	**46.8**	**246**	**197**	N/A	**149**	**101**	**82.5**	**110**	**144**
Beryllium	mg/kg	2,300	**0.29 J**	**0.79 J**	**0.58 J**	N/A	**0.68 J**	**0.72 J**	**0.35 J**	**0.4 J**	**0.63 J**
Cadmium	mg/kg	980	1.3 U	0.33 B	0.46 B	N/A	**0.92 J**	**0.41 J**	**0.44 J**	**0.42 J**	**4.7**
Chromium	mg/kg	120,000	**24.1**	**32.6**	**67.8**	N/A	**778**	**876**	**859**	**895**	**77.3**
Chromium VI	mg/kg	6.3	0.64 B	0.37 B	0.63 B	N/A	0.44 B	0.42 B	**0.36 J**	0.42 B	**0.33 J**
Cobalt	mg/kg	350	**1.5 J**	**6.4**	**5.3**	N/A	**3.6 J**	**3.1 J**	**4.1**	**3.9 J**	**5.4**
Copper	mg/kg	47,000	**6.7**	**68.2**	**70.1**	N/A	**43.8**	**36.7**	**44.5**	**51.6**	**38.3**
Iron	mg/kg	820,000	**9,760**	**24,800**	**27,900**	N/A	**159,000**	**215,000**	**248,000**	**256,000**	**19,400**
Lead	mg/kg	800	**11.6**	**75.2**	**101**	N/A	**60.1**	**20.5**	**23.9**	**21.7**	**42**
Manganese	mg/kg	26,000	**10.9 J**	**977 J**	**2,070 J**	N/A	**20,400**	**21,100**	**23,800**	**21,500**	**321**
Mercury	mg/kg	350	**0.03 J**	**0.14**	**0.26**	N/A	**0.11**	**0.037 J**	**0.1 J**	**0.027 J**	**0.068 J**
Nickel	mg/kg	22,000	**4.6 J**	**21.3**	**28.9**	N/A	**36.3**	**27.9**	**37**	**36.7**	**29.4**
Selenium	mg/kg	5,800	3.5 U	3.7 U	3.8 U	N/A	3.1 U	3.5 U	3.3 U	3.5 U	3.3 U
Silver	mg/kg	5,800	2.7 U	2.8 U	2.8 U	N/A	**0.9 J**	**1.6 J**	**1.3 J**	**2.1 J**	2.5 U
Thallium	mg/kg	12	8.8 U	9.3 U	9.4 U	N/A	7.8 U	8.9 U	8.2 U	8.6 U	8.3 U
Vanadium	mg/kg	5,800	**27.5**	**34.1**	**49.3**	N/A	**687**	**667**	**880**	**645**	**19.9**
Zinc	mg/kg	350,000	**15.4**	**72.6**	**125**	N/A	**664**	**181**	**168**	**255**	**5,020**
Other											
Cyanide	mg/kg	150	0.078 B	0.39 B	0.35 B	N/A	**0.29 J**	**0.16 J**	**0.49 J**	**0.15 J**	**6.2**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-017-SB-6*	B22-017-SB-10*	B22-018-SB-1*	B22-018-SB-6*	B22-018-SB-10*	B22-019-SB-1	B22-019-SB-6	B22-019-SB-10	B22-020-SB-1
Metal											
Aluminum	mg/kg	1,100,000	**15,300**	N/A	**19,200**	**14,900**	N/A	**18,600**	**15,800**	N/A	**26,900**
Antimony	mg/kg	470	3 U	N/A	3.2 U	2.8 U	N/A	2.9 UJ	2.4 UJ	N/A	2.6 UJ
Arsenic	mg/kg	3	**5.4**	**5**	**3.6**	**19.2**	**8.4**	**2.7**	**25.3**	**7.2**	**5.9**
Barium	mg/kg	220,000	**75.1**	N/A	**93.3**	**56.1**	N/A	**88.6 J**	**41.8 J**	N/A	**291 J**
Beryllium	mg/kg	2,300	**0.81 J**	N/A	**1.5**	**0.88 J**	N/A	**0.68 J**	**0.71 J**	N/A	**2.1**
Cadmium	mg/kg	980	1.5 U	N/A	1.6 U	1.4 U	N/A	1.4 U	1.2 U	N/A	0.25 B
Chromium	mg/kg	120,000	**28.7**	N/A	**21**	**31.3**	N/A	**24.8**	**39.2**	N/A	**31.2**
Chromium VI	mg/kg	6.3	**0.77 J**	N/A	**0.41 J**	**0.46 J**	N/A	0.33 B	0.39 B	N/A	0.31 B
Cobalt	mg/kg	350	**3.5 J**	N/A	**6.2**	**5.6**	N/A	**6**	**3.1 J**	N/A	**11.2**
Copper	mg/kg	47,000	**14.5**	N/A	**15.2**	**10.8**	N/A	**10.9**	**15.6**	N/A	**55.5**
Iron	mg/kg	820,000	**30,300**	N/A	**10,200**	**22,600**	N/A	**15,700 J**	**29,700 J**	N/A	**23,200 J**
Lead	mg/kg	800	**14.8**	N/A	**14.1**	**13.2**	N/A	**11.9 J**	**15.7 J**	N/A	**30.2 J**
Manganese	mg/kg	26,000	**43**	N/A	**82**	**43.4**	N/A	**152 J**	**55.4 J**	N/A	**3,690 J**
Mercury	mg/kg	350	**0.0039 J**	N/A	**0.0047 J**	0.12 U	N/A	**0.057 J**	**0.013 J**	N/A	**0.026 J**
Nickel	mg/kg	22,000	**9 J**	N/A	**20.4**	**12.7**	N/A	**13**	**8.1**	N/A	**20.9**
Selenium	mg/kg	5,800	4 U	N/A	4.2 U	3.8 U	N/A	3.9 U	3.2 U	N/A	3.5 U
Silver	mg/kg	5,800	3 U	N/A	3.2 U	2.8 U	N/A	2.9 U	2.4 U	N/A	2.6 U
Thallium	mg/kg	12	10 U	N/A	10.6 U	9.4 U	N/A	9.6 U	8 U	N/A	8.8 U
Vanadium	mg/kg	5,800	**24.9**	N/A	**20.1**	**36.3**	N/A	**32 J**	**53.1 J**	N/A	**61.9 J**
Zinc	mg/kg	350,000	**46.2**	N/A	**131**	**44.5**	N/A	**31**	**33.7**	N/A	**85.7**
Other											
Cyanide	mg/kg	150	0.67 U	N/A	0.61 U	0.78 U	N/A	**0.045 J**	**0.053 J**	N/A	**0.3 J**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-020-SB-4	B22-020-SB-10	B22-021-SB-1	B22-021-SB-5	B22-022-SB-1	B22-022-SB-7	B22-023-SB-1*	B22-023-SB-9*	B22-023-SB-10*
Metal											
Aluminum	mg/kg	1,100,000	**26,800**	N/A	**17,500**	**19,100**	**42,000**	**39,200**	**16,800**	**8,220**	N/A
Antimony	mg/kg	470	2.5 UJ	N/A	2.9 UJ	3.1 UJ	2.5 UJ	2.8 UJ	2.6 U	2.4 U	N/A
Arsenic	mg/kg	3	**110**	**14**	**6.4**	**2.5 J**	2.1 U	2.3 U	**21.4**	**10.5**	2.1 U
Barium	mg/kg	220,000	**602 J**	N/A	**57 J**	**80.5 J**	**345 J**	**340 J**	**315**	**47.4**	N/A
Beryllium	mg/kg	2,300	**2.6**	N/A	**0.79 J**	**0.57 J**	**6.4**	**6.3**	**1.1**	0.82 U	N/A
Cadmium	mg/kg	980	1.1 B	N/A	1.4 U	1.5 U	0.27 B	0.39 B	0.86 B	1.9 B	N/A
Chromium	mg/kg	120,000	**88.7**	N/A	**26.3 J**	**24.2 J**	**18.6 J**	**16.3 J**	**915**	**857**	N/A
Chromium VI	mg/kg	6.3	0.31 B	N/A	0.34 B	1.2 B	0.31 B	0.21 B	0.38 B	1 B	N/A
Cobalt	mg/kg	350	**17**	N/A	**7.3**	**3.9 J**	**0.52 J**	**0.32 J**	**15**	**15.9**	N/A
Copper	mg/kg	47,000	**185**	N/A	**12.7**	**10.3**	**4.8**	**5.4**	**183**	**170**	N/A
Iron	mg/kg	820,000	**90,300 J**	N/A	**24,800 J**	**15,400 J**	**17,700 J**	**4,700 J**	**109,000**	**133,000**	N/A
Lead	mg/kg	800	**43.5 J**	N/A	**10.6 J**	**9.2 J**	**6.7 J**	**6.9 J**	**336**	**86.9**	N/A
Manganese	mg/kg	26,000	**5,080 J**	N/A	**136**	**64.8**	**3,130**	**3,280**	**17,400**	**13,200**	N/A
Mercury	mg/kg	350	0.11 U	N/A	**0.094 J**	0.12 U	0.11 U	0.11 U	**0.08 J**	**0.025 J**	N/A
Nickel	mg/kg	22,000	**86.8**	N/A	**15.4**	**12.4**	2.6 B	1.4 B	**33.3**	**43.5**	N/A
Selenium	mg/kg	5,800	**2 J**	N/A	3.8 U	4.1 U	**4.5**	**3.2 J**	3.4 U	3.3 U	N/A
Silver	mg/kg	5,800	**0.68 J**	N/A	2.9 U	3.1 U	2.5 U	2.8 U	2.6 U	2.4 U	N/A
Thallium	mg/kg	12	8.3 U	N/A	9.6 U	10.3 U	8.3 U	9.2 U	8.6 U	8.2 U	N/A
Vanadium	mg/kg	5,800	**71.6 J**	N/A	**38.6 J**	**24.4 J**	**23.5 J**	**21 J**	**3,370**	**4,100**	N/A
Zinc	mg/kg	350,000	**346**	N/A	**46.5**	**28.4**	**14.6**	**8.5**	**275**	**1,040**	N/A
Other											
Cyanide	mg/kg	150	**1.3**	N/A	0.73 U	0.73 U	**0.23 J**	**0.27 J**	**0.85**	0.14 B	N/A

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-024-SB-1*	B22-024-SB-4*	B22-025-SB-4*	B22-026-SB-1*	B22-026-SB-9*	B22-027-SB-1*	B22-027-SB-5*	B22-028-SB-1*
Metal										
Aluminum	mg/kg	1,100,000	**18,600**	**18,100**	**27,600**	**17,400**	**4,410**	**24,800**	**43,700**	**26,000**
Antimony	mg/kg	470	2.5 U	2.8 U	2.6 U	2.9 U	2.8 U	2.6 U	2.7 U	2.8 U
Arsenic	mg/kg	3	**5.9**	**15.2**	**3.8**	**16.3**	**11.7**	**2.8**	**2.2 J**	**3**
Barium	mg/kg	220,000	**427**	**296**	**271**	**581**	**102**	**214**	**320**	**363**
Beryllium	mg/kg	2,300	**1.9**	**1.5**	**4.2**	**1**	**0.38 J**	**4.3**	**7**	**2.1**
Cadmium	mg/kg	980	1.2 B	0.96 B	0.95 B	**4.8**	**3.5**	0.3 B	0.29 B	**3.1**
Chromium	mg/kg	120,000	**517**	**414**	**283**	**225**	**88.2**	**24**	**13.1**	**63.6**
Chromium VI	mg/kg	6.3	0.62 B	0.75 B	0.43 B	**29.5**	0.36 B	0.33 B	0.3 B	0.69 B
Cobalt	mg/kg	350	**6.2**	**14.6**	**9.4**	**25**	**11.1**	**1.1 J**	4.5 U	**4.6 J**
Copper	mg/kg	47,000	**105**	**229**	**37.9**	**366**	**315**	**11.8**	**2.6 J**	**149**
Iron	mg/kg	820,000	**50,200**	**146,000**	**53,200**	**122,000**	**57,400**	**39,900**	**4,290**	**22,400**
Lead	mg/kg	800	**237**	**186**	**85.2**	**6,870**	**522**	**4.2**	2.3 U	**816**
Manganese	mg/kg	26,000	**14,000**	**9,390**	**8,920**	**4,980**	**1,810**	**2,860**	**3,650**	**1,370**
Mercury	mg/kg	350	**0.0079 J**	**0.1 J**	**0.06 J**	**0.079 J**	**0.012 J**	**0.0038 J**	0.1 U	0.11 U
Nickel	mg/kg	22,000	**21.6**	**39.8**	**15.2**	**92.8**	**38.3**	**10.9**	9 U	**26.2**
Selenium	mg/kg	5,800	3.4 U	3.7 U	3.5 U	3.8 U	3.7 U	3.5 U	**2.7 J**	**3.4 J**
Silver	mg/kg	5,800	2.5 U	2.8 U	2.6 U	**2.9 J**	**1.1 J**	2.6 U	2.7 U	2.8 U
Thallium	mg/kg	12	8.4 U	9.3 U	8.7 U	9.6 U	9.2 U	8.7 U	9 U	9.2 U
Vanadium	mg/kg	5,800	**2,050**	**1,850**	**819**	**262**	**112**	**16.6**	**13**	**57.3**
Zinc	mg/kg	350,000	**353**	**314**	**335**	**3,420**	**1,300**	4.4 B	4 B	**5,060**
Other										
Cyanide	mg/kg	150	**0.68**	0.33 B	**3.6**	**6.4**	0.55 B	0.87 B	0.15 B	**3**

Detections in bold
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R: The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-029-SB-1*	B22-029-SB-6*	B22-030-SB-1*	B22-030-SB-5*	B22-030-SB-10*	B22-031-SB-1*	B22-031-SB-4*	B22-031-SB-10*
Metal										
Aluminum	mg/kg	1,100,000	**40,600**	**34,900**	**17,100**	**36,800**	N/A	**11,900**	**17,200**	N/A
Antimony	mg/kg	470	2.5 U	2.4 U	2.5 U	2.4 U	N/A	3.2 U	2.8 U	N/A
Arsenic	mg/kg	3	**2.4**	**3.1**	**6.7**	**5.9**	2.2 U	**11.4**	**9.8**	**22.8**
Barium	mg/kg	220,000	**296**	**272**	**186**	**437**	N/A	**248**	**248**	N/A
Beryllium	mg/kg	2,300	**6.4**	**5.5**	**1.5**	**1.9**	N/A	**0.37 J**	**1.5**	N/A
Cadmium	mg/kg	980	0.25 B	0.35 B	0.93 B	1 B	N/A	**2.1**	**1.9**	N/A
Chromium	mg/kg	120,000	**12.9**	**31.5**	**219**	**288**	N/A	**1,040**	**542**	N/A
Chromium VI	mg/kg	6.3	0.35 B	0.35 B	0.53 B	0.49 B	N/A	0.51 B	0.5 B	N/A
Cobalt	mg/kg	350	**0.43 J**	**1.6 J**	**10.1**	**8.7**	N/A	**7.8**	**12.8**	N/A
Copper	mg/kg	47,000	**1.6 J**	**28.8**	**153**	**105**	N/A	**132**	**125**	N/A
Iron	mg/kg	820,000	**2,370**	**21,700**	**71,100**	**55,500**	N/A	**118,000**	**144,000**	N/A
Lead	mg/kg	800	2.1 U	**29.2**	**235**	**476**	N/A	**159**	**212**	N/A
Manganese	mg/kg	26,000	**3,720**	**3,400**	**4,370**	**5,500**	N/A	**51,900**	**22,800**	N/A
Mercury	mg/kg	350	0.1 U	0.11 U	**0.069 J**	**0.022 J**	N/A	**0.032 J**	**0.08 J**	N/A
Nickel	mg/kg	22,000	8.3 U	**6.9 J**	**29.2**	**34.5**	N/A	**68.2**	**51.5**	N/A
Selenium	mg/kg	5,800	**3.2 J**	**2.6 J**	**2.3 J**	3.2 U	N/A	4.3 U	3.7 U	N/A
Silver	mg/kg	5,800	2.5 U	2.4 U	2.5 U	2.4 U	N/A	3.2 U	2.8 U	N/A
Thallium	mg/kg	12	8.3 U	7.9 U	8.3 U	7.9 U	N/A	10.7 U	9.2 U	N/A
Vanadium	mg/kg	5,800	**17.7**	**48.1**	**816**	**951**	N/A	**3,090**	**1,250**	N/A
Zinc	mg/kg	350,000	3.3 B	**50.7**	**432**	**7,540**	N/A	**667**	**712**	N/A
Other										
Cyanide	mg/kg	150	0.75 B	0.41 B	0.78 B	**4.2**	N/A	**1.9**	0.54 B	N/A

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-032-SB-1*	B22-032-SB-4*	B22-032-SB-10*	B22-033-SB-1*	B22-034-SB-1*	B22-035-SB-1	B22-036-SB-1	B22-036-SB-4	B22-037-SB-1*
Metal											
Aluminum	mg/kg	1,100,000	**10,000**	**29,900**	N/A	**11,100**	**12,700**	**24,700**	**19,700**	**14,000**	**41,000**
Antimony	mg/kg	470	2.3 U	2.6 U	N/A	2.5 U	2.3 U	2.8 UJ	2.4 UJ	2.5 UJ	2.7 U
Arsenic	mg/kg	3	**8.7**	**3.8**	**5.3**	**4.8**	**3.7**	**5.9**	**4.4**	**3.1**	**4.2**
Barium	mg/kg	220,000	**197**	**605**	N/A	**63.3**	**69.2**	**261**	**64.7**	**62.9**	**597**
Beryllium	mg/kg	2,300	0.77 U	**2.3**	N/A	0.82 U	0.77 U	**2.1**	0.79 U	0.82 U	**4.9**
Cadmium	mg/kg	980	**3.3**	0.57 B	N/A	0.78 B	0.88 B	0.59 B	0.66 B	0.79 B	**0.37 J**
Chromium	mg/kg	120,000	**1,180**	**377**	N/A	**1,160**	**1,200**	**57**	**1,160**	**1,220**	**15.6**
Chromium VI	mg/kg	6.3	0.47 B	0.43 B	N/A	**12.5**	**10.8**	0.28 B	**5.4 J-**	**5 J-**	0.36 B
Cobalt	mg/kg	350	**6.1**	**4.2 J**	N/A	**2.3 J**	**1.1 J**	**5.7**	**0.69 J**	4.1 U	**1.8 J**
Copper	mg/kg	47,000	**71.5**	**30.7**	N/A	**55.3**	**41.3**	**33.7**	**32.2**	**25.8**	**11.2**
Iron	mg/kg	820,000	**134,000**	**47,300**	N/A	**243,000**	**191,000**	**23,900**	**210,000**	**182,000**	**9,860**
Lead	mg/kg	800	**89**	**22.5**	N/A	**7.2**	**36.1**	**59.7**	**23**	**11.5**	**14.1**
Manganese	mg/kg	26,000	**46,600**	**20,000**	N/A	**29,400**	**27,500**	**5,660 J**	**27,000 J**	**31,500 J**	**4,390**
Mercury	mg/kg	350	**0.045 J**	0.1 U	N/A	**0.048 J**	**0.07 J**	**0.032 J**	**0.084 J**	**0.0058 J**	0.11 U
Nickel	mg/kg	22,000	**24.1**	10.7 B	N/A	**49.2**	**28.5**	**12.3**	**14.7**	**11.5**	**3.6 J**
Selenium	mg/kg	5,800	3.1 U	**2.5 J**	N/A	3.3 U	3.1 U	3.7 U	3.1 U	3.3 U	**3.1 J**
Silver	mg/kg	5,800	2.3 U	2.6 U	N/A	**4.7**	**2.8**	2.8 U	**3.2**	**3.6**	2.7 U
Thallium	mg/kg	12	7.7 U	8.8 U	N/A	8.2 U	7.7 U	9.2 U	7.9 U	8.2 U	8.9 U
Vanadium	mg/kg	5,800	**3,820**	**1,430**	N/A	**621**	**633**	**143**	**601**	**730**	**57.7**
Zinc	mg/kg	350,000	**522**	**96.9**	N/A	**149**	**162**	**244**	**212**	**222**	**21.8**
Other											
Cyanide	mg/kg	150	**1.7**	0.58 B	N/A	0.32 B	0.15 B	0.18 B	0.15 B	0.17 B	**0.96**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-038-SB-1*	B22-039A-SB-3	B22-039-SB-1	B22-039-SB-4	B22-040-SB-1	B22-040-SB-4	B22-041-SB-1	B22-041-SB-5	B22-041-SB-10
Metal											
Aluminum	mg/kg	1,100,000	**8,280**	**19,300**	**21,400**	**49,000**	**40,000**	**47,200**	**11,500**	**14,100**	N/A
Antimony	mg/kg	470	2.7 U	2.9 UJ	2.2 UJ	2.9 UJ	2.9 UJ	2.5 UJ	2.8 UJ	3.3 UJ	N/A
Arsenic	mg/kg	3	**11.3**	**4.8**	**4.4**	**2.4**	2.4 U	2.1 U	**9.5**	**4.9**	**5.3**
Barium	mg/kg	220,000	**63.1**	**231**	**230**	**600**	**641**	**535**	**239 J**	**94.4 J**	N/A
Beryllium	mg/kg	2,300	**0.31 J**	**2.5**	**2.5**	**8**	**6.8**	**8.9**	**1.9**	**0.62 J**	N/A
Cadmium	mg/kg	980	**0.63 J**	**0.45 J**	**0.42 J**	**0.24 J**	**0.57 J**	**0.21 J**	0.49 B	1.7 U	N/A
Chromium	mg/kg	120,000	**1,110**	**789 J**	**827 J**	**19 J**	**77.7 J**	**71.2 J**	**623**	**79.8**	N/A
Chromium VI	mg/kg	6.3	0.44 B	0.58 B	0.3 B	0.32 B	0.32 B	0.31 B	0.39 B	0.34 B	N/A
Cobalt	mg/kg	350	**5.8**	**3.7 J**	**1.7 J**	**0.65 J**	**0.84 J**	**0.78 J**	**1.5 J**	**3.8 J**	N/A
Copper	mg/kg	47,000	**44.6**	**37.8**	**32.3**	4.8 U	**6**	**3 J**	**215**	**155**	N/A
Iron	mg/kg	820,000	**281,000**	**45,300 J**	**169,000 J**	**4,170 J**	**18,300 J**	**20,300 J**	**79,200 J**	**21,600 J**	N/A
Lead	mg/kg	800	**42.7**	**42.6 J**	**3.9 J**	2.4 U	**34.7 J**	2.1 U	**8.5**	**16.1**	N/A
Manganese	mg/kg	26,000	**18,800**	**5,890 J**	**17,500 J**	**4,430 J**	**5,240 J**	**5,960 J**	**71,600**	**1,790**	N/A
Mercury	mg/kg	350	**0.064 J**	0.13 R	0.099 R	0.11 R	0.11 R	0.11 R	**0.0068 J**	**0.013 J**	N/A
Nickel	mg/kg	22,000	**55.7**	**3,110 J**	**13 J**	9.6 UJ	**2.1 J**	**1.9 J**	**12.4**	**10 J**	N/A
Selenium	mg/kg	5,800	3.6 U	3.9 U	3 U	**3.4 J**	**3.3 J**	**3.3 J**	3.7 U	4.4 U	N/A
Silver	mg/kg	5,800	**1.8 J**	2.9 U	**1.2 J**	2.9 U	2.9 U	2.5 U	**8.3**	3.3 U	N/A
Thallium	mg/kg	12	8.9 U	9.8 UJ	7.5 UJ	9.6 UJ	9.6 UJ	8.4 UJ	9.2 U	11.1 U	N/A
Vanadium	mg/kg	5,800	**880**	**124 J**	**401 J**	**19.3 J**	**40.1 J**	**49 J**	**768**	**61.9**	N/A
Zinc	mg/kg	350,000	**175**	**164 J**	**66.7 J**	**19.2 J**	**93.5 J**	**22 J**	**38.9**	**41.9**	N/A
Other											
Cyanide	mg/kg	150	**0.84**	**1.9**	**2.3**	**4.6**	**4.1**	**3.8**	**0.13 J**	**0.099 J**	N/A

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-042-SB-1	B22-042-SB-4	B22-042-SB-10*	B22-043-SB-1*	B22-043-SB-4*	B22-044-SB-1	B22-044-SB-4	B22-045-SB-1	B22-046-SB-1
Metal											
Aluminum	mg/kg	1,100,000	**38,500**	**19,600**	N/A	**23,100**	**15,900**	**37,600**	**43,700**	**36,400**	**20,000**
Antimony	mg/kg	470	**1.3 J**	3.1 UJ	N/A	**27.1**	3.4 U	2.5 UJ	2.4 UJ	2.4 UJ	2.5 UJ
Arsenic	mg/kg	3	**3.9**	**4.8**	**20.1**	**15.3**	2.8 U	**3.4**	**2.4**	**12**	**4.9**
Barium	mg/kg	220,000	**1,140**	**87.9**	N/A	**408**	**82.6**	**403**	**406**	**355**	**509**
Beryllium	mg/kg	2,300	**3.5**	**0.87 J**	N/A	**2**	**0.51 J**	**6.7**	**7.7**	**6.2**	**1.7**
Cadmium	mg/kg	980	**1.7**	1.5 U	N/A	**2.3**	1.7 U	**1.2 J**	**0.27 J**	**7.7**	**0.55 J**
Chromium	mg/kg	120,000	**28.3 J**	**27.6 J**	N/A	**93.7**	**32.4**	**130 J**	**27.1 J**	**93.4 J**	**403 J**
Chromium VI	mg/kg	6.3	0.31 B	0.33 B	N/A	0.46 B	0.46 B	0.3 B	0.3 B	0.69 B	0.53 B
Cobalt	mg/kg	350	**2.4 J**	**9.1**	N/A	**12.4**	**3.4 J**	**0.66 J**	**0.85 J**	**4.1**	**1.2 J**
Copper	mg/kg	47,000	**25.3**	**15.2**	N/A	**202**	**26**	**51.4**	**6.2**	**119**	**21.1**
Iron	mg/kg	820,000	**12,200 J**	**22,800 J**	N/A	**82,900**	**10,200**	**23,400 J**	**9,470 J**	**25,800 J**	**55,200 J**
Lead	mg/kg	800	**85.8 J**	**16.1 J**	N/A	**580**	**55.2**	**48.3 J**	**4 J**	**112 J**	**13.3 J**
Manganese	mg/kg	26,000	**11,100 J**	**499 J**	N/A	**5,080**	**119**	**5,530 J**	**3,050 J**	**3,450 J**	**52,300 J**
Mercury	mg/kg	350	0.1 R	**0.014 J-**	N/A	0.11 U	**0.1 J**	0.11 R	0.11 R	0.11 R	0.11 R
Nickel	mg/kg	22,000	**6.1 J**	**15.6 J**	N/A	**71**	**9.9 J**	**3.4 J**	**3.1 J**	**18.8 J**	**15 J**
Selenium	mg/kg	5,800	**1.9 J**	4.1 U	N/A	4 U	4.5 U	**3.7**	**2.8 J**	**3 J**	3.4 U
Silver	mg/kg	5,800	2.5 U	3.1 U	N/A	3 U	3.4 U	2.5 U	2.4 U	2.4 U	**2.5 J**
Thallium	mg/kg	12	8.2 UJ	10.2 UJ	N/A	10 U	11.2 U	8.2 UJ	8 UJ	8.1 UJ	8.4 UJ
Vanadium	mg/kg	5,800	**140 J**	**42.7 J**	N/A	**224**	**34.7**	**67.8 J**	**20.5 J**	**38.8 J**	**582 J**
Zinc	mg/kg	350,000	**784 J**	**62.7 J**	N/A	**744**	**68.5**	**290 J**	**45.6 J**	**6,280 J**	**98.2 J**
Other											
Cyanide	mg/kg	150	**0.5 J**	**0.13 J**	N/A	0.32 B	0.48 B	**0.55 J**	**0.49 J**	**1**	**0.22 J**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-046-SB-4	B22-047-SB-1*	B22-047-SB-5*	B22-047-SB-10	B22-048-SB-1	B22-048-SB-5	B22-048-SB-10	B22-049-SB-1	B22-049-SB-5
Metal											
Aluminum	mg/kg	1,100,000	**22,500**	**7,790**	**13,800**	N/A	**31,400**	**17,100**	N/A	**31,500**	**45,300**
Antimony	mg/kg	470	3 UJ	**9.6**	3.7 U	N/A	**2.2 J**	**3.1 J**	N/A	2.6 UJ	2.4 UJ
Arsenic	mg/kg	3	**6.7**	**14.2**	**6.7**	**5**	**6.3**	**5.2**	**9.8**	**2.2**	**2.1**
Barium	mg/kg	220,000	**134**	**1,060**	**123**	N/A	**530 J**	**149 J**	N/A	**332 J**	**473 J**
Beryllium	mg/kg	2,300	**1.3**	**0.61 J**	**0.76 J**	N/A	**2**	**0.26 J**	N/A	**5.8**	**9.3**
Cadmium	mg/kg	980	**0.21 J**	**3.8**	**0.65 J**	N/A	0.52 B	0.18 B	N/A	**0.51 J**	**0.25 J**
Chromium	mg/kg	120,000	**53.9 J**	**190**	**37.3**	N/A	**1,330**	**492**	N/A	**14.7 J**	**10.5 J**
Chromium VI	mg/kg	6.3	0.65 B	**17**	0.4 B	N/A	0.43 B	0.86 B	N/A	0.3 B	0.31 B
Cobalt	mg/kg	350	**6.4**	**19.3**	**7.4**	N/A	**3 J**	**3.9 J**	N/A	**1.8 J**	**0.4 J**
Copper	mg/kg	47,000	**19.1**	**221**	**37.2**	N/A	**24.6**	**15.5**	N/A	**18.6**	**1.7 J**
Iron	mg/kg	820,000	**22,000 J**	**95,900**	**27,800**	N/A	**68,100 J**	**43,100 J**	N/A	**5,770 J**	**1,850 J**
Lead	mg/kg	800	**24.9 J**	**6,600**	**129**	N/A	**15.4**	**13.9**	N/A	**14.3**	2 U
Manganese	mg/kg	26,000	**1,200 J**	**2,530**	**737**	N/A	**27,800**	**11,200**	N/A	**1,820**	**2,420**
Mercury	mg/kg	350	**0.016 J-**	**0.38**	**0.041 J**	N/A	0.1 U	0.11 U	N/A	0.1 U	**0.0021 J**
Nickel	mg/kg	22,000	**13.2 J**	**55.2**	**18.1**	N/A	**10.8**	**8.9 J**	N/A	**2.9 J**	8 U
Selenium	mg/kg	5,800	4 U	4.2 U	4.9 U	N/A	**2.9 J**	4.4 U	N/A	3.5 U	**4.8**
Silver	mg/kg	5,800	3 U	3.1 U	3.7 U	N/A	2.7 U	3.3 U	N/A	2.6 U	2.4 U
Thallium	mg/kg	12	10 UJ	10.4 U	9.8 U	N/A	9 U	11 U	N/A	8.6 U	8 U
Vanadium	mg/kg	5,800	**84 J**	**90.9**	**54.9**	N/A	**5,420**	**3,750**	N/A	**10.2 J**	**6.3 J**
Zinc	mg/kg	350,000	**71.5 J**	**959**	**142**	N/A	**79**	**27.4**	N/A	**899 J**	**2.4 J**
Other											
Cyanide	mg/kg	150	**0.31 J**	0.65 B	**1**	N/A	**0.15 J**	**0.16 J**	N/A	**0.45 J**	**0.5 J**

Detections in bold
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B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-050-SB-1	B22-050-SB-4.5	B22-051-SB-1	B22-051-SB-6	B22-052-SB-1	B22-052-SB-8	B22-053-SB-1	B22-053-SB-8	B22-053-SB-10
Metal											
Aluminum	mg/kg	1,100,000	**34,700**	**18,100**	**11,300**	**12,200**	**17,700**	**15,200**	**6,360**	**13,600**	N/A
Antimony	mg/kg	470	2.4 UJ	2.8 UJ	2.7 UJ	3 UJ	2.8 UJ	2.7 UJ	2.5 UJ	2.8 UJ	N/A
Arsenic	mg/kg	3	**5.9**	**3.7**	**14**	**2.2 J**	2.4 U	**3.6**	**19.1**	**5.9**	**9.7**
Barium	mg/kg	220,000	**482 J**	**125 J**	**109 J**	**19.4 J**	**213 J**	**31.1 J**	**82**	**30.4**	N/A
Beryllium	mg/kg	2,300	**4.4**	**1.1**	**0.54 J**	**0.35 J**	**0.85 J**	**0.71 J**	**0.39 J**	**0.44 J**	N/A
Cadmium	mg/kg	980	**2.1**	**0.28 J**	**0.22 J**	1.5 U	**0.34 J**	**0.85 J**	**1.9**	1.4 U	N/A
Chromium	mg/kg	120,000	**68.9 J**	**32.1 J**	**56.2**	**20.3**	**32.3**	**40.3**	**208**	**23.1**	N/A
Chromium VI	mg/kg	6.3	0.4 B	0.36 B	0.5 B	0.58 B	0.38 B	0.46 B	1 B	1 B	N/A
Cobalt	mg/kg	350	**5.9**	**8.3**	**12.3**	**4.1 J**	**5.9**	**7.5**	**20**	**4 J**	N/A
Copper	mg/kg	47,000	**157**	**21.3**	**141 J**	**5.8 J**	**33.4 J**	**83.5 J**	**187**	**7.9**	N/A
Iron	mg/kg	820,000	**33,100 J**	**18,600 J**	**42,400**	**11,200**	**12,800**	**13,500**	**238,000**	**15,300**	N/A
Lead	mg/kg	800	**179**	**30.5**	**108 J**	**10.4 J**	**42.2 J**	**34.9 J**	**1,500**	**12.2**	N/A
Manganese	mg/kg	26,000	**5,520**	**1,060**	**515 J**	**18.8 J**	**729 J**	**141 J**	**3,240 J**	**55.9 J**	N/A
Mercury	mg/kg	350	**0.25**	**0.074 J**	**0.055 J**	**0.0051 J**	**6**	**0.031 J**	**0.057 J**	**0.0059 J**	N/A
Nickel	mg/kg	22,000	**16.4**	**15.8**	**48.1**	**7.7 J**	**12.2**	**12.7**	**85.8**	**11.1**	N/A
Selenium	mg/kg	5,800	**2.5 J**	3.7 U	3.6 U	3.9 U	3.8 U	3.6 U	3.3 U	3.7 U	N/A
Silver	mg/kg	5,800	2.4 U	2.8 U	2.7 U	3 U	2.8 U	2.7 U	**3.5**	2.8 U	N/A
Thallium	mg/kg	12	7.9 U	9.4 U	9.1 U	9.9 U	9.4 U	9.1 U	8.4 U	9.3 U	N/A
Vanadium	mg/kg	5,800	**189 J**	**31.9 J**	**23.7**	**24.2**	**24.4**	**37.5**	**95**	**21.7**	N/A
Zinc	mg/kg	350,000	**464 J**	**99.3 J**	**88.8 J**	**40.1 J**	**81.9 J**	**357 J**	**1,320**	**40.1**	N/A
Other											
Cyanide	mg/kg	150	**0.16 J**	**0.056 J**	**0.28 J**	**0.083 J**	**0.98**	0.62 U	**0.84**	0.081 B	N/A

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-054-SB-1	B22-054-SB-4	B22-054-SB-10	B22-055-SB-1	B22-055-SB-8.5	B22-056-SB-1	B22-056-SB-5	B22-057-SB-1	B22-058-SB-1
Metal											
Aluminum	mg/kg	1,100,000	**17,600**	**17,600**	N/A	**18,900 J**	**17,100 J**	**28,500 J**	**33,600 J**	**41,000**	**23,500**
Antimony	mg/kg	470	2.7 UJ	2.3 UJ	N/A	2.9 UJ	2.5 UJ	2.7 UJ	3 UJ	2.7 UJ	2.8 UJ
Arsenic	mg/kg	3	2.3 U	**3.3**	**10.6**	**18.9**	**5.9**	**2.2 J**	**2.5 J**	2.2 U	**2.3 J**
Barium	mg/kg	220,000	**272**	**39.5**	N/A	**312**	**62.4**	**223**	**367**	**1,630 J**	**109 J**
Beryllium	mg/kg	2,300	**1.4**	**0.52 J**	N/A	**1.8**	**0.6 J**	**2**	**1.8**	**3.5**	**0.75 J**
Cadmium	mg/kg	980	0.47 B	0.14 B	N/A	**1.5**	1.3 U	0.39 B	0.32 B	0.39 B	1.4 U
Chromium	mg/kg	120,000	**85.7**	**28.7**	N/A	**36.7**	**23.4**	**21**	**88.8**	**13.8 J**	**35.1 J**
Chromium VI	mg/kg	6.3	0.35 B	0.71 B	N/A	0.33 B	0.34 B	0.39 B	0.42 B	0.32 B	0.77 B
Cobalt	mg/kg	350	**3.4 J**	**6.9**	N/A	**8**	**6.6**	**4.2 J**	**3.8 J**	**1.8 J**	**5**
Copper	mg/kg	47,000	**25.7**	**12.9**	N/A	**566**	**10.5**	**17.9**	**33**	**6.6**	**13.3**
Iron	mg/kg	820,000	**26,700**	**25,700**	N/A	**31,700 J**	**15,500 J**	**16,700 J**	**16,700 J**	**7,880 J**	**16,300 J**
Lead	mg/kg	800	**73.7**	**9.6**	N/A	**205 J**	**11.1 J**	**43.7 J**	**29.7 J**	2.2 U	**8.7 J**
Manganese	mg/kg	26,000	**4,440 J**	**140 J**	N/A	**2,760 J**	**82.4 J**	**950 J**	**3,990 J**	**15,900**	**88.7**
Mercury	mg/kg	350	**0.054 J**	**0.063 J**	N/A	**0.058 J+**	**0.026 J+**	**0.038 J+**	0.12 U	0.11 U	**0.094 J**
Nickel	mg/kg	22,000	**13.7**	**13.9**	N/A	**30.2**	**16.3**	**11.5**	**13.1**	2.3 B	**13.2**
Selenium	mg/kg	5,800	3.6 U	3.1 U	N/A	3.9 U	3.4 U	**2.9 J**	4 U	3.6 U	3.8 U
Silver	mg/kg	5,800	2.7 U	2.3 U	N/A	2.9 U	2.5 U	2.7 U	3 U	2.7 U	2.8 U
Thallium	mg/kg	12	9 U	7.8 U	N/A	9.7 U	8.5 U	9 U	10 U	8.9 U	9.5 U
Vanadium	mg/kg	5,800	**129**	**39.3**	N/A	**68.3 J**	**32.7 J**	**42.8 J**	**327 J**	**202 J**	**34.7 J**
Zinc	mg/kg	350,000	**111**	**39.4**	N/A	**610**	**33.9**	**46.2**	**30.6**	2.2 B	**42.8**
Other											
Cyanide	mg/kg	150	0.25 B	0.071 B	N/A	**1.7**	**0.088 J**	**1.9**	**1.9**	**0.092 J**	**0.075 J**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-058-SB-7	B22-058-SB-10	B22-059-SB-1*	B22-059-SB-4*	B22-060-SB-1*	B22-060-SB-4*	B22-061-SB-1	B22-061-SB-5	B22-062-SB-1*
Metal											
Aluminum	mg/kg	1,100,000	**15,200**	N/A	**29,900**	**31,800**	**38,300**	**14,700**	**37,900**	**42,400**	**26,700**
Antimony	mg/kg	470	3.1 UJ	N/A	2.8 U	2.7 U	**1.7 J**	2.3 U	2.6 UJ	3.4 UJ	3.3 U
Arsenic	mg/kg	3	**22.3**	**4.4**	**13.1**	**18.6**	**2.1 J**	**8.7**	**11.1**	**5.8**	**3.5**
Barium	mg/kg	220,000	**18.9 J**	N/A	**722**	**434**	**468**	**281**	**896 J**	**2,150 J**	**369**
Beryllium	mg/kg	2,300	**1.1**	N/A	**2.4**	**2.3**	**5.3**	**0.46 J**	**3.2**	**3.6**	**3.9**
Cadmium	mg/kg	980	1.6 U	N/A	**5.6**	**7.1**	0.31 B	1.1 B	**1.1 J**	**6.1**	**2.4**
Chromium	mg/kg	120,000	**34.8 J**	N/A	**168**	**149**	**63.2**	**1,240**	**168 J**	**33.3 J**	**375**
Chromium VI	mg/kg	6.3	0.85 B	N/A	0.38 B	0.42 B	0.35 B	0.57 B	0.41 B	0.48 B	0.43 B
Cobalt	mg/kg	350	**5.7**	N/A	**33.9**	**34.7**	**1.8 J**	**5.9**	**23.3**	**2.5 J**	**4.9 J**
Copper	mg/kg	47,000	**14.6**	N/A	**359**	**301**	**14.3**	**55.1**	**248**	**23.8**	**51.4**
Iron	mg/kg	820,000	**24,400 J**	N/A	**104,000**	**84,700**	**22,400**	**88,700**	**64,300 J**	**9,200 J**	**59,700**
Lead	mg/kg	800	**18.7 J**	N/A	**1,230**	**976**	**57**	**245**	**151**	**162**	**149**
Manganese	mg/kg	26,000	**36.6**	N/A	**11,900**	**14,200**	**7,240**	**43,800**	**7,300**	**14,300**	**14,500**
Mercury	mg/kg	350	**0.0071 J**	N/A	0.11 U	**0.0082 J**	0.11 U	**0.085 J**	**0.0061 J**	0.14 U	0.11 U
Nickel	mg/kg	22,000	**13.4**	N/A	**169**	**130**	4.2 B	**17.7**	**167**	**11.3 J**	**17.3**
Selenium	mg/kg	5,800	4.2 U	N/A	3.7 U	3.7 U	3.5 U	3.1 U	3.5 U	**3.1 J**	4.4 U
Silver	mg/kg	5,800	3.1 U	N/A	**2.6 J**	**2.2 J**	2.6 U	2.3 U	2.6 U	3.4 U	3.3 U
Thallium	mg/kg	12	10.4 U	N/A	9.2 U	9.2 U	8.6 U	7.7 U	8.8 U	11.3 U	10.9 U
Vanadium	mg/kg	5,800	**40.4 J**	N/A	**160**	**118**	**214**	**2,400**	**132 J**	**52.5 J**	**717**
Zinc	mg/kg	350,000	**40.4**	N/A	**3,400**	**3,650**	**217**	**592**	**236 J**	**1,470 J**	**400**
Other											
Cyanide	mg/kg	150	**0.041 J**	N/A	**2.5**	**2.5**	**0.72**	**1.5**	**0.77**	**0.87**	**0.84**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-062-SB-4*	B22-063-SB-1	B22-063-SB-9	B22-063-SB-10*	B22-064-SB-1	B22-064-SB-7	B22-065-SB-1*	B22-065-SB-7*	B22-066-SB-1
Metal											
Aluminum	mg/kg	1,100,000	**22,000**	**26,700**	**11,600**	N/A	**14,200**	**15,000**	**8,260**	**12,900**	**13,200**
Antimony	mg/kg	470	3.4 U	2.6 UJ	2.7 UJ	N/A	2.8 UJ	3.2 UJ	2.8 U	2.8 U	2.4 UJ
Arsenic	mg/kg	3	**4.9**	**8.3**	**3.8**	2.2 U	**2.3**	**2.4 J**	2.4 U	2.3 U	**6.4**
Barium	mg/kg	220,000	**303**	**144 J**	**179 J**	N/A	**101 J**	**96.2 J**	**61.1**	**17.1**	**76.8 J**
Beryllium	mg/kg	2,300	**1.4**	**1**	**1.3**	N/A	**1.2**	**0.73 J**	**0.34 J**	**0.6 J**	0.8 U
Cadmium	mg/kg	980	**3**	0.9 B	0.38 B	N/A	0.15 B	1.6 U	1.4 U	1.4 U	0.44 B
Chromium	mg/kg	120,000	**1,090**	**899**	**29**	N/A	**28 J**	**24 J**	**9.5**	**25.3**	**1,230**
Chromium VI	mg/kg	6.3	0.5 B	**7.2 J-**	0.32 B	N/A	0.53 B	0.6 B	0.77 B	0.6 B	**2.9 J-**
Cobalt	mg/kg	350	**6**	**3 J**	**3.6 J**	N/A	**15**	**3.8 J**	**3.5 J**	**8.2**	**1.5 J**
Copper	mg/kg	47,000	**60.7**	**51.5**	**40.1**	N/A	**15.2**	**8.4**	**7.5**	**4.9**	**40.1**
Iron	mg/kg	820,000	**104,000**	**169,000 J**	**52,900 J**	N/A	**13,000 J**	**8,330 J**	**5,660**	**14,100**	**222,000 J**
Lead	mg/kg	800	**205**	**191**	**35.5**	N/A	**11.9 J**	**5.4 J**	**9.7**	**11.4**	**39.4**
Manganese	mg/kg	26,000	**29,400**	**20,000 J**	**1,560 J**	N/A	**270**	**110**	**63.2**	**40**	**25,300 J**
Mercury	mg/kg	350	0.11 U	**0.056 J+**	**0.038 J+**	N/A	**0.027 J**	**0.049 J**	**0.031 J**	**0.0026 J**	**0.0065 J+**
Nickel	mg/kg	22,000	**25.2**	**22.8**	**11.7**	N/A	**21.8**	9.1 B	**3.8 J**	**13.9**	**19.7**
Selenium	mg/kg	5,800	4.6 U	3.4 U	3.6 U	N/A	3.7 U	4.3 U	3.8 U	**2.4 J**	3.2 U
Silver	mg/kg	5,800	3.4 U	**1.5 J**	2.7 U	N/A	2.8 U	3.2 U	2.8 U	2.8 U	**2.1 J**
Thallium	mg/kg	12	11.5 U	8.6 UJ	8.9 UJ	N/A	9.2 U	10.7 U	9.4 U	9.3 U	8 UJ
Vanadium	mg/kg	5,800	**1,730**	**476 J**	**16.2 J**	N/A	**24.2 J**	**24 J**	**17.7**	**29.8**	**772 J**
Zinc	mg/kg	350,000	**408**	**158 J**	**56.4 J**	N/A	**60.4**	**28**	**23.6**	**35.6**	**90.8 J**
Other											
Cyanide	mg/kg	150	0.64 B	**0.17 J-**	**0.36 J-**	N/A	**0.16 J**	**0.061 J**	**0.21 J**	0.65 U	**0.14 J-**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-066-SB-9	B22-067-SB-1*	B22-067-SB-7*	B22-067-SB-10*	B22-068-SB-1*	B22-068-SB-6*	B22-069-SB-1*	B22-069-SB-4*
Metal										
Aluminum	mg/kg	1,100,000	**4,070**	**23,500**	**14,800**	N/A	**13,600**	**12,600**	**28,900**	**14,600**
Antimony	mg/kg	470	2.5 UJ	2.9 U	3.1 U	N/A	3.4 U	2.7 U	2.7 U	2.7 U
Arsenic	mg/kg	3	**2.9**	2.4 U	**5.2**	**5**	**3.3**	**2.3**	2.3 U	**7.5**
Barium	mg/kg	220,000	**90 J**	**315**	**209**	N/A	**175**	**25.2**	**407**	**20.8**
Beryllium	mg/kg	2,300	0.85 U	**3.2**	**1**	N/A	**2**	**0.68 J**	**4**	**0.78 J**
Cadmium	mg/kg	980	1.3 U	0.4 B	0.51 B	N/A	0.3 B	1.4 U	0.35 B	1.4 U
Chromium	mg/kg	120,000	**13.6**	**66.1**	**107**	N/A	**38.5**	**25.7**	**25.2**	**24**
Chromium VI	mg/kg	6.3	0.76 B	0.41 B	0.37 B	N/A	0.35 B	0.39 B	0.39 B	0.9 B
Cobalt	mg/kg	350	**1.7 J**	**11.5**	**12**	N/A	**3 J**	**8.3**	**2 J**	**4.3 J**
Copper	mg/kg	47,000	**12.2**	23.9 B	**282**	N/A	**44.5**	**9.6**	**10.2**	**12.7**
Iron	mg/kg	820,000	**7,990 J**	**149,000**	**24,700**	N/A	**66,500**	**24,000**	**14,900**	**26,500**
Lead	mg/kg	800	**54.7**	**11.8**	**280**	N/A	**26**	**14.5**	2.3 U	**13.8**
Manganese	mg/kg	26,000	**282 J**	**7,410**	**1,180**	N/A	**1,810**	**87.6**	**3,910**	**92**
Mercury	mg/kg	350	**0.042 J+**	0.1 U	**0.04 J**	N/A	**0.0037 J**	**0.0024 J**	0.11 U	**0.015 J**
Nickel	mg/kg	22,000	**3.7 J**	**9.7**	**18.1**	N/A	14.3 B	14.9 B	3.6 B	11.7 B
Selenium	mg/kg	5,800	3.4 U	**3.2 J**	**2.6 J**	N/A	4.5 U	3.7 U	**3.5 J**	3.7 U
Silver	mg/kg	5,800	2.5 U	**0.71 J**	3.1 U	N/A	3.4 U	2.7 U	2.7 U	2.7 U
Thallium	mg/kg	12	8.5 UJ	9.7 U	10.2 U	N/A	11.2 U	9.1 U	9 U	9.2 U
Vanadium	mg/kg	5,800	**9.3 J**	**207**	**170**	N/A	**17.2**	**63.1**	**47.2**	**33.4**
Zinc	mg/kg	350,000	**8.1 J**	14.4 B	**229**	N/A	**80.8**	**57.3**	**42.1**	**31.2**
Other										
Cyanide	mg/kg	150	**0.081 J-**	0.25 B	0.15 B	N/A	0.24 B	0.065 B	0.095 B	0.13 B

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R: The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-069-SB-10*	B22-070-SB-1*	B22-070-SB-9*	B22-071-SB-1*	B22-071-SB-4*	B22-072-SB-1	B22-073-SB-1	B22-073-SB-5	B22-074-SB-1
Metal											
Aluminum	mg/kg	1,100,000	N/A	**34,500**	**16,500**	**32,700**	**11,400**	**47,400**	**20,700**	**17,800**	**5,980**
Antimony	mg/kg	470	N/A	2.5 U	2.7 U	3.2 U	3.1 U	3.5 UJ	3.5 UJ	3.3 UJ	2.7 UJ
Arsenic	mg/kg	3	**39.8**	**4.3**	**2.7**	**4.8**	**6.6**	**6.6**	**13.4**	**14.3**	**672**
Barium	mg/kg	220,000	N/A	**1,010**	**50**	**251**	**223**	**387**	**294 J**	**95.9 J**	**57.7**
Beryllium	mg/kg	2,300	N/A	**2.8**	**0.66 J**	**4.9**	**0.55 J**	**2.1**	**1.1 J**	**1 J**	**0.24 J**
Cadmium	mg/kg	980	N/A	0.97 B	1.3 U	**2.5**	**8.9**	**1.5 J**	1.7 B	0.23 B	0.87 B
Chromium	mg/kg	120,000	N/A	**40.9**	**27.5**	**536**	**1,460**	**95.7**	**104**	**47.2**	**4,080**
Chromium VI	mg/kg	6.3	N/A	0.5 B	0.79 B	0.5 B	0.45 B	0.33 B	0.38 B	0.55 B	0.69 B
Cobalt	mg/kg	350	N/A	**3.7 J**	**7.2**	**3.4 J**	**10.2**	**7.6**	**12.1**	**8**	**123**
Copper	mg/kg	47,000	N/A	**53**	**11.4**	**61.5**	**114**	**146**	**156**	**67.5**	**358**
Iron	mg/kg	820,000	N/A	**20,800**	**21,800**	**78,400**	**126,000**	**17,700 J**	**45,600 J**	**35,000 J**	**168,000 J**
Lead	mg/kg	800	N/A	**157**	**12.3**	**128**	**465**	**132**	**161**	**37.2**	**66.9**
Manganese	mg/kg	26,000	N/A	**7,000**	**88.5**	**15,300**	**40,800**	**3,360 J**	**1,280**	**574**	**2,430 J**
Mercury	mg/kg	350	N/A	0.12 U	0.12 U	**0.28**	**0.043 J**	0.12 U	**0.58**	**0.034 J**	**0.042 J**
Nickel	mg/kg	22,000	N/A	10.1 B	14.8 B	**16.7**	**48.1**	**37.9**	**58.5**	**25.8**	**1,170**
Selenium	mg/kg	5,800	N/A	3.3 U	3.6 U	4.3 U	4.2 U	4.7 U	4.6 U	4.5 U	3.6 U
Silver	mg/kg	5,800	N/A	2.5 U	2.7 U	3.2 U	3.1 U	3.5 U	3.5 U	3.3 U	**2.2 J**
Thallium	mg/kg	12	N/A	8.2 U	9 U	10.7 U	10.5 U	11.7 U	11.6 U	11.2 U	8.9 U
Vanadium	mg/kg	5,800	N/A	**193**	**32.3**	**337**	**3,600**	**58.9**	**55**	**79.4**	**143**
Zinc	mg/kg	350,000	N/A	**189**	**56.2**	**539**	**995**	**439 J**	**602**	**77.5**	**134 J**
Other											
Cyanide	mg/kg	150	N/A	0.36 B	0.63 U	**2.7**	0.47 B	**1**	**2.5**	**0.46 J**	**0.19 J**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-074-SB-1*	B22-075-SB-1*	B22-075-SB-4*	B22-076-SB-1*	B22-077-SB-1	B22-077-SB-5	B22-078-SB-1	B22-078-SB-7.5	B22-079-SB-1
Metal											
Aluminum	mg/kg	1,100,000	N/A	**40,600**	**16,200**	**41,800**	**13,100 J**	**43,100 J**	**15,400**	**20,600**	**15,900**
Antimony	mg/kg	470	N/A	2.5 U	3 U	2.8 U	2.8 UJ	2.8 UJ	2.9 UJ	3.4 UJ	2.5 UJ
Arsenic	mg/kg	3	2.1 U	**3.7**	**10.8**	2.3 U	**3.9**	**3**	**8.3**	**7.3**	**7.1**
Barium	mg/kg	220,000	N/A	**322**	**30.6**	**374**	**59.5**	**1,830**	**92.3 J**	**77.1 J**	**202 J**
Beryllium	mg/kg	2,300	N/A	**6.8**	**1.1**	**7.4**	0.94 U	**2.3**	**0.45 J**	**0.87 J**	**0.94**
Cadmium	mg/kg	980	N/A	0.52 B	1.5 U	0.27 B	0.59 B	0.48 B	0.67 B	0.26 B	**2.1**
Chromium	mg/kg	120,000	N/A	**16.6**	**40.8**	**11.7**	**1,180**	**67.2**	**729**	**104**	**660**
Chromium VI	mg/kg	6.3	N/A	**0.3 J**	**1.3**	**0.33 J**	0.5 B	0.4 B	0.4 B	0.75 B	0.43 B
Cobalt	mg/kg	350	N/A	**0.82 J**	**2.8 J**	**0.41 J**	**0.63 J**	**2.1 J**	**8**	**9.1**	**5.6**
Copper	mg/kg	47,000	N/A	**9.7**	**16.9**	**9.4**	**28.4**	**30**	**54**	**38.3**	**206**
Iron	mg/kg	820,000	N/A	**12,600**	**37,900**	**8,180**	**186,000 J**	**10,300 J**	**191,000 J**	**35,500 J**	**143,000 J**
Lead	mg/kg	800	N/A	**64.8**	**19.6**	**3.8**	**27.7 J**	**55.9 J**	**47.9**	**54.9**	**172**
Manganese	mg/kg	26,000	N/A	**3,390**	**63**	**3,240**	**25,300 J**	**11,300 J**	**20,100**	**1,180**	**16,700 J**
Mercury	mg/kg	350	N/A	0.1 U	**0.029 J**	0.11 U	**0.01 J+**	0.1 U	**0.14**	**0.057 J**	**0.24 J-**
Nickel	mg/kg	22,000	N/A	**4 J**	**9.3 J**	9.3 U	**14.4**	**3.3 J**	**30**	**24.2**	**24**
Selenium	mg/kg	5,800	N/A	3.3 U	4 U	2.1 B	3.7 U	3.8 U	3.9 U	4.5 U	3.3 U
Silver	mg/kg	5,800	N/A	2.5 U	3 U	2.8 U	**2.4 J**	2.8 U	**2.8 J**	3.4 U	**0.94 J**
Thallium	mg/kg	12	N/A	8.3 U	10 U	9.3 U	9.4 U	9.4 U	9.8 U	11.3 U	8.4 UJ
Vanadium	mg/kg	5,800	N/A	**23.5**	**68**	**12.9**	**746 J**	**461 J**	**513**	**40.7**	**474 J**
Zinc	mg/kg	350,000	N/A	**111**	**41.6**	2 B	**195**	**85.8**	**301**	**97.3**	**887 J**
Other											
Cyanide	mg/kg	150	N/A	**0.1 J**	0.67 U	**0.18 J**	**0.16 J**	**0.25 J**	**0.42 J**	**0.045 J**	**0.3 J-**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-079-SB-4	B22-080-SB-1*	B22-080-SB-5*	B22-081-SB-1*	B22-081-SB-4*	B22-081-SB-10*	B22-082-SB-1	B22-082-SB-4	B22-083-SB-1*
Metal											
Aluminum	mg/kg	1,100,000	**35,800**	**17,100**	**14,800**	**19,700**	**10,600**	N/A	**23,300**	**18,400**	**36,400**
Antimony	mg/kg	470	2.9 UJ	2.7 U	3 U	2.9 U	2.8 U	N/A	3 UJ	2.8 UJ	2.5 U
Arsenic	mg/kg	3	2.4 U	**7.1**	**18.9**	**4.5**	**6.2**	**8.5**	**11.7**	2.3 U	2.1 U
Barium	mg/kg	220,000	**2,700 J**	**87.8**	**52.7**	**65.1**	**36.7**	N/A	**52.2 J**	**40.3 J**	**939**
Beryllium	mg/kg	2,300	**3.4**	**0.89**	**0.45 J**	**0.44 J**	**0.31 J**	N/A	**1.2**	**0.48 J**	**3.7**
Cadmium	mg/kg	980	0.23 B	0.47 B	0.23 B	1.4 U	1.4 U	N/A	1.5 U	1.4 U	0.57 B
Chromium	mg/kg	120,000	**6**	**55.5**	**31.5**	**24**	**19.8**	N/A	**41.3**	**29.6**	**31.3**
Chromium VI	mg/kg	6.3	0.4 B	**0.89 J**	**0.62 J**	**0.72 J**	**0.67 J**	N/A	0.37 B	0.35 B	**0.31 J**
Cobalt	mg/kg	350	**1.1 J**	**9.7**	**3.7 J**	**4 J**	**1.2 J**	N/A	**4.5 J**	**2.8 J**	**1.5 J**
Copper	mg/kg	47,000	**20.6**	**50.3**	**37.3**	**13.3**	**8.1**	N/A	**15.5**	**6.8**	**16.1**
Iron	mg/kg	820,000	**4,910 J**	**22,200**	**29,000**	**15,100**	**22,200**	N/A	**45,700 J**	**9,280 J**	**15,500**
Lead	mg/kg	800	**44.9**	**41.8**	**19.5**	**15.8**	**10.9**	N/A	**16 J**	**13.2 J**	**52**
Manganese	mg/kg	26,000	**683 J**	**376**	**297**	**78.7**	**24**	N/A	**55.1 J**	**39.8 J**	**8,500**
Mercury	mg/kg	350	0.12 UJ	**0.11 J**	**0.012 J**	**0.025 J**	**0.022 J**	N/A	**0.047 J**	**0.013 J**	0.11 U
Nickel	mg/kg	22,000	9.5 U	**23.6**	**9.9 J**	**13**	**3.8 J**	N/A	9.8 B	6.2 B	**6 J**
Selenium	mg/kg	5,800	**4.4**	3.5 U	4 U	3.8 U	3.8 U	N/A	4 U	3.7 U	3 B
Silver	mg/kg	5,800	2.9 U	2.7 U	3 U	2.9 U	2.8 U	N/A	3 U	2.8 U	2.5 U
Thallium	mg/kg	12	9.5 UJ	8.9 U	10.1 U	9.5 U	9.4 U	N/A	10 U	9.3 U	8.3 U
Vanadium	mg/kg	5,800	**51.1 J**	**32.2**	**49.7**	**31.9**	**31**	N/A	**46.5 J**	**41.3 J**	**134**
Zinc	mg/kg	350,000	**3.6 J**	**323**	**98.8**	**33.7**	**14.2**	N/A	**28.5**	**21.5**	**117**
Other											
Cyanide	mg/kg	150	**2.1 J-**	0.6 U	0.69 U	0.61 U	0.78 U	N/A	**0.084 J**	0.62 U	**0.45 J**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-083-SB-4*	B22-084-SB-1	B22-085-SB-1	B22-086-SB-1	B22-086-SB-5	B22-086-SB-10	B22-087-SB-1*	B22-087-SB-5*	B22-087-SB-10*
Metal											
Aluminum	mg/kg	1,100,000	**14,800**	**17,000**	**8,520**	**31,300**	**28,600**	N/A	**12,800**	**11,500**	N/A
Antimony	mg/kg	470	2.7 U	2.6 UJ	2.5 UJ	2.6 UJ	2.9 UJ	N/A	2.7 U	2.8 U	N/A
Arsenic	mg/kg	3	**3**	**10.6**	**5.8**	**4**	**6.3**	**23.8**	**5.2**	**4.5**	**2.6**
Barium	mg/kg	220,000	**63.2**	**167 J**	**84.2 J**	**203 J**	**122 J**	N/A	**156**	**55.5**	N/A
Beryllium	mg/kg	2,300	**0.71 J**	**1.5**	0.85 U	**1.2**	**1.6**	N/A	**0.84 J**	**0.74 J**	N/A
Cadmium	mg/kg	980	1.3 U	**0.38 J**	**5.5**	**0.31 J**	1.5 U	N/A	1.6 B	1.4 U	N/A
Chromium	mg/kg	120,000	**22.3**	**35.9**	**581**	**210**	**31.1**	N/A	**69.5**	**15.4**	N/A
Chromium VI	mg/kg	6.3	**0.78 J**	0.37 B	0.33 B	0.41 B	1 B	N/A	0.42 B	0.62 B	N/A
Cobalt	mg/kg	350	**7.4**	**10.3**	**3.4 J**	**4.6**	**7.1**	N/A	**7.8**	**10.2**	N/A
Copper	mg/kg	47,000	**14.2**	**83.4 J**	**73.8 J**	**28.4 J**	**17.8 J**	N/A	**65.5**	**10.7**	N/A
Iron	mg/kg	820,000	**17,800**	**39,300**	**108,000**	**16,100**	**9,440**	N/A	**31,300**	**12,000**	N/A
Lead	mg/kg	800	**17.4**	**49.5 J**	**226 J**	**21.3 J**	**19.8 J**	N/A	**338**	**30**	N/A
Manganese	mg/kg	26,000	**307**	**1,690 J**	**15,400 J**	**1,710 J**	**18.8 J**	N/A	**1,670**	**248**	N/A
Mercury	mg/kg	350	**0.031 J**	**0.044 J**	**1.8**	**0.028 J**	**0.091 J**	N/A	0.1 U	**0.034 J**	N/A
Nickel	mg/kg	22,000	**15.3**	**28.2**	**25.4**	**16.5**	**19.4**	N/A	**24.1**	14.8 B	N/A
Selenium	mg/kg	5,800	3.6 U	3.5 U	3.4 U	**2.6 J**	3.9 U	N/A	3.5 U	3.8 U	N/A
Silver	mg/kg	5,800	2.7 U	2.6 U	**1.6 J**	2.6 U	2.9 U	N/A	2.7 U	2.8 U	N/A
Thallium	mg/kg	12	9 U	8.6 U	8.5 U	8.8 U	9.8 U	N/A	8.8 U	9.4 U	N/A
Vanadium	mg/kg	5,800	**26.2**	**57.7**	**743**	**25.3**	**30**	N/A	**257**	**22.3**	N/A
Zinc	mg/kg	350,000	**51.6**	**86.1 J**	**424 J**	**63.4 J**	**42.1 J**	N/A	**555**	**49.7**	N/A
Other											
Cyanide	mg/kg	150	0.71 U	**0.46 J**	**1.2**	**1.8**	0.72 U	N/A	0.34 B	0.077 B	N/A

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Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-088-SB-1*	B22-088-SB-6*	B22-089-SB-1*	B22-089-SB-5*	B22-090-SB-1*	B22-090-SB-5*	B22-091-SB-1	B22-091-SB-4	B22-092-SB-1
Metal											
Aluminum	mg/kg	1,100,000	**13,600**	**10,400**	**32,600**	**37,600**	**41,900**	**19,300**	**19,200**	**15,200**	**44,200**
Antimony	mg/kg	470	2.3 U	2.5 U	2.7 U	2.3 U	2.8 U	2.7 U	**2.5 J**	2.7 UJ	2.6 UJ
Arsenic	mg/kg	3	**28.7**	**10.8**	**3.9**	1.9 U	2.3 U	**5**	**15.4**	**5.7**	2.2 U
Barium	mg/kg	220,000	**104**	**102**	**453**	**504**	**546**	**105**	**374 J**	**54.6 J**	**372 J**
Beryllium	mg/kg	2,300	**0.45 J**	**0.34 J**	**4.2**	**4.9**	**6.7**	**1.5**	**2**	**0.6 J**	**7.2**
Cadmium	mg/kg	980	1.8 B	**2.5**	0.53 B	0.21 B	**0.33 J**	1.3 U	**4.2**	1.3 U	**0.36 J**
Chromium	mg/kg	120,000	**1,400**	**820**	**199**	**9.1**	**7.1**	**27**	**128 J**	**20.5 J**	**13.5 J**
Chromium VI	mg/kg	6.3	0.53 B	0.37 B	0.35 B	0.3 B	0.37 B	0.44 B	0.37 B	0.43 B	0.3 B
Cobalt	mg/kg	350	**6.1**	**10.8**	**2.6 J**	**1.8 J**	**2.3 J**	**2.8 J**	**23.6**	**6.9**	**1 J**
Copper	mg/kg	47,000	**101**	**100**	**19.9**	**10.4**	**5.7**	**9.6**	**1,290**	**7.2**	**20.9**
Iron	mg/kg	820,000	**165,000**	**127,000**	**29,300**	**11,500**	**10,200**	**13,200**	**56,900 J**	**17,700 J**	**10,900 J**
Lead	mg/kg	800	**123**	**297**	**13.6**	**2**	**6.9**	**17.9**	**696**	**9.2**	**35.5**
Manganese	mg/kg	26,000	**46,000**	**31,800**	**9,730**	**6,100**	**4,950**	**112**	**3,580**	**104**	**2,140**
Mercury	mg/kg	350	**0.037 J**	**0.037 J**	0.11 U	0.11 U	0.11 U	**0.01 J**	**2.8**	**0.083 J**	0.11 U
Nickel	mg/kg	22,000	18.4 B	**24.6**	6 B	1.9 B	**1.7 J**	**10**	**82.6**	**12.9**	**2 J**
Selenium	mg/kg	5,800	3.1 U	3.3 U	**2.6 J**	**3.3**	**5.3**	3.6 U	3.6 U	3.6 U	**2.7 J**
Silver	mg/kg	5,800	**0.82 J**	**0.93 J**	2.7 U	2.3 U	2.8 U	2.7 U	2.7 U	2.7 U	2.6 U
Thallium	mg/kg	12	7.7 U	8.2 U	8.9 U	7.6 U	9.2 U	9 U	8.9 U	8.9 U	8.7 U
Vanadium	mg/kg	5,800	**1,720**	**1,280**	**342**	**26.1**	**37.8**	**36.1**	**125 J**	**30.8 J**	**16.4 J**
Zinc	mg/kg	350,000	**341**	**803**	**55.8**	**8.2**	**13.1**	**18.9**	**2,690 J**	**38.5 J**	**27.8**
Other											
Cyanide	mg/kg	150	**0.76**	**1**	0.18 B	0.13 B	0.59 U	0.71 U	**0.17 J**	0.73 U	**0.21 J**

Detections in bold
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R: The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-092-SB-4	B22-093-SB-1	B22-093-SB-5	B22-093-SB-10	B22-094-SB-1*	B22-094-SB-4*	B22-095-SB-1*	B22-095-SB-6*	B22-096-SB-1*
Metal											
Aluminum	mg/kg	1,100,000	**41,900**	**17,800**	**20,600 J**	N/A	**37,100**	**14,800**	**27,600**	**14,500**	**15,700**
Antimony	mg/kg	470	2.4 UJ	2.9 UJ	2.7 UJ	N/A	2.5 U	3.2 U	2.8 U	2.8 U	3.1 U
Arsenic	mg/kg	3	2 U	**7.6**	**6.6**	**21.7**	2.1 U	**6.6**	**8.6**	**3.9**	**4.1**
Barium	mg/kg	220,000	**354 J**	**153 J**	**61.5**	N/A	**1,070**	**79.9**	**821**	**40.6**	**171**
Beryllium	mg/kg	2,300	**6.9**	**1.7**	**0.45 J**	N/A	**4.8**	**0.94 J**	**3.9**	**0.71 J**	**0.57 J**
Cadmium	mg/kg	980	**0.29 J**	**1.5**	1.3 U	N/A	**0.44 J**	1.6 U	**9.6**	1.4 U	**2.6**
Chromium	mg/kg	120,000	**5.1 J**	**152 J**	**30.1**	N/A	**22.6**	**27.2**	**93.4**	**23.7**	**120**
Chromium VI	mg/kg	6.3	0.31 B	0.48 B	0.38 B	N/A	0.39 B	0.4 B	**0.45 J**	0.48 B	0.95 B
Cobalt	mg/kg	350	**0.48 J**	**9.3**	**3.9 J**	N/A	**3.2 J**	**6.4**	**6.1**	**5.2**	**6.4**
Copper	mg/kg	47,000	**3 J**	**124**	**10.4**	N/A	**11.3**	**21.4**	**2,270**	**7.5**	**321**
Iron	mg/kg	820,000	**4,300 J**	**59,500 J**	**20,400 J**	N/A	**20,900**	**18,200**	**36,600**	**19,500**	**27,400**
Lead	mg/kg	800	2 U	**639**	**11.8 J**	N/A	**13**	**27.2**	**352**	**12.9**	**103**
Manganese	mg/kg	26,000	**1,950**	**3,540**	**132 J**	N/A	**11,300**	**271**	**6,750**	**52.7**	**1,240**
Mercury	mg/kg	350	**0.0023 J**	**0.26**	**0.055 J+**	N/A	0.11 U	**0.042 J**	**0.17**	**0.0028 J**	**0.12 J**
Nickel	mg/kg	22,000	8.1 U	**35.5**	**10.7**	N/A	**4.7 J**	**13.5**	**24.7**	**9.8**	**17.9**
Selenium	mg/kg	5,800	**6**	3.9 U	3.6 U	N/A	**3.5**	4.2 U	3.8 U	3.7 U	4.1 U
Silver	mg/kg	5,800	2.4 U	2.9 U	2.7 U	N/A	2.5 U	3.2 U	**16.5**	2.8 U	3.1 U
Thallium	mg/kg	12	8.1 U	9.7 U	8.9 U	N/A	8.4 U	10.6 U	9.4 U	9.2 U	10.2 U
Vanadium	mg/kg	5,800	**8 J**	**105 J**	**49.6 J**	N/A	**200**	**37.7**	**196**	**31.9**	**256**
Zinc	mg/kg	350,000	**8.7 J**	**1,100 J**	**27.8**	N/A	**19.7**	**59.3**	**16,200**	**33.7**	**686**
Other											
Cyanide	mg/kg	150	**0.18 J**	**0.23 J**	0.6 UJ	N/A	0.53 U	**0.6 J**	**0.78**	**0.07 J**	**2.9**

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R: The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-096-SB-9*	B22-096-SB-10*	B22-097-SB-1*	B22-097-SB-9*	B22-098-SB-1*	B22-098-SB-4*	B22-098-SB-10*	B22-099-SB-1*
Metal										
Aluminum	mg/kg	1,100,000	**16,000**	N/A	**15,700**	**8,660**	**7,360**	**6,980**	N/A	**15,700**
Antimony	mg/kg	470	2.8 U	N/A	2.3 U	2.7 U	2.5 U	2.3 U	N/A	3.1 U
Arsenic	mg/kg	3	**4.1**	**7.8**	**8.1**	**20.9**	**8.8**	**11.6**	**6.7**	**16.7**
Barium	mg/kg	220,000	**25.6**	N/A	**255**	**720**	**131**	**150**	N/A	**294**
Beryllium	mg/kg	2,300	**0.64 J**	N/A	**1**	**0.63 J**	**0.19 J**	**0.55 J**	N/A	**1.5**
Cadmium	mg/kg	980	1.4 U	N/A	0.83 B	**4.9**	0.47 B	0.81 B	N/A	**2.9**
Chromium	mg/kg	120,000	**26.6**	N/A	**1,010**	**218**	**542**	**165**	N/A	**634**
Chromium VI	mg/kg	6.3	0.5 B	N/A	0.56 B	0.48 B	0.68 B	0.46 B	N/A	0.65 B
Cobalt	mg/kg	350	**5**	N/A	**29.3**	**17.2**	**17.5**	**11.8**	N/A	**14.9**
Copper	mg/kg	47,000	**10.3**	N/A	**963**	**769**	**209**	**130**	N/A	**367**
Iron	mg/kg	820,000	**10,600**	N/A	**86,400**	**97,200**	**127,000**	**56,600**	N/A	**99,800**
Lead	mg/kg	800	**12.6**	N/A	**448**	**1,960**	**279**	**1,790**	**16.2**	**658**
Manganese	mg/kg	26,000	**63.2**	N/A	**5,790**	**16,200**	**12,400**	**4,710**	N/A	**8,670**
Mercury	mg/kg	350	**0.0034 J**	N/A	**0.035 J**	**0.014 J**	**0.011 J**	**0.044 J**	N/A	**0.19**
Nickel	mg/kg	22,000	**6.8 J**	N/A	**239**	**66.7**	**48.8**	**41.7**	N/A	**186**
Selenium	mg/kg	5,800	3.7 U	N/A	3 U	3.6 U	3.4 U	3 U	N/A	4.1 U
Silver	mg/kg	5,800	2.8 U	N/A	2.3 U	**3**	2.5 U	2.3 U	N/A	3.1 U
Thallium	mg/kg	12	9.2 U	N/A	7.6 U	8.9 U	8.5 U	7.5 U	N/A	10.4 U
Vanadium	mg/kg	5,800	**27.8**	N/A	**1,690**	**1,230**	**1,500**	**612**	N/A	**1,080**
Zinc	mg/kg	350,000	**23.5**	N/A	**1,490**	**2,400**	**97**	**171**	N/A	**1,930**
Other										
Cyanide	mg/kg	150	**0.18 J**	N/A	**0.95**	**1**	0.44 B	**1.6**	N/A	0.63 B

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-099-SB-7*	B22-099-SB-9.5*	B22-100-SB-1*	B22-100-SB-6*	B22-100-SB-10	B22-101-SB-1*	B22-101-SB-5*	B22-102-SB-1*
Metal										
Aluminum	mg/kg	1,100,000	**12,700**	N/A	**13,100**	**11,800**	N/A	**17,700**	**13,500**	**16,600**
Antimony	mg/kg	470	2.9 U	N/A	2.9 U	2.7 U	N/A	2.9 U	3.2 U	2.9 U
Arsenic	mg/kg	3	**5.5**	**16**	**9.1**	**2.8**	N/A	**7.5**	**3.6**	**7.7**
Barium	mg/kg	220,000	**92.5**	N/A	**152**	**119**	N/A	**277**	**54**	**310**
Beryllium	mg/kg	2,300	**0.42 J**	N/A	**0.92 J**	**0.2 J**	N/A	**1.7**	**0.43 J**	**1.6**
Cadmium	mg/kg	980	**2.4**	N/A	**2**	**5.5**	N/A	**9.6**	1.6 U	**79.5**
Chromium	mg/kg	120,000	**391**	N/A	**887**	**1,950**	N/A	**51.2**	**21.2**	**902**
Chromium VI	mg/kg	6.3	0.56 B	N/A	0.45 B	0.64 B	N/A	0.41 B	0.63 B	0.44 B
Cobalt	mg/kg	350	**6.2**	N/A	**24.4**	**4.9**	N/A	**17.5**	**3 J**	**21.2**
Copper	mg/kg	47,000	**47.4**	N/A	**158**	**72.5**	N/A	**205**	**20.4**	**177**
Iron	mg/kg	820,000	**45,500**	N/A	**246,000**	**118,000**	N/A	**124,000**	**12,500**	**142,000**
Lead	mg/kg	800	**153**	N/A	**147**	**174**	N/A	**726**	**12.4**	**590**
Manganese	mg/kg	26,000	**7,480**	N/A	**22,300**	**29,100**	**9,320**	**3,620**	**81**	**13,700**
Mercury	mg/kg	350	**0.035 J**	N/A	**0.058 J**	**0.1 J**	N/A	**0.6**	**0.0067 J**	**1.1**
Nickel	mg/kg	22,000	**21.1**	N/A	**58.9**	**29.5**	N/A	**53.5**	**6.1 J**	**84**
Selenium	mg/kg	5,800	3.8 U	N/A	3.9 U	3.6 U	N/A	3.5 B	4.3 U	3.9 U
Silver	mg/kg	5,800	2.9 U	N/A	2.9 U	2.7 U	N/A	**1.2 J**	3.2 U	**0.84 J**
Thallium	mg/kg	12	9.5 U	N/A	9.8 U	**10.5**	N/A	9.8 U	10.6 U	9.7 U
Vanadium	mg/kg	5,800	**1,230**	N/A	**725**	**4,270**	N/A	**138**	**44.9**	**1,280**
Zinc	mg/kg	350,000	**505**	N/A	**582**	**739**	N/A	**151**	**20.5**	**401**
Other										
Cyanide	mg/kg	150	0.29 B	N/A	0.55 B	**0.74**	N/A	0.31 B	0.088 B	**2.1**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-102-SB-5*	B22-103-SB-1	B22-103-SB-4	B22-104-SB-1	B22-104-SB-4	B22-105-SB-1	B22-105-SB-4	B22-105-SB-10	B22-106-SB-1*
Metal											
Aluminum	mg/kg	1,100,000	**15,600**	**18,300**	**28,100**	**5,350**	**18,600**	**18,600**	**19,700**	N/A	**35,600**
Antimony	mg/kg	470	3.1 U	3 UJ	3 UJ	3.3 UJ	2.6 UJ	3.1 UJ	3 UJ	N/A	2.7 U
Arsenic	mg/kg	3	**4.7**	**6.9**	**3.3**	**6.1**	**9.4**	**4.2**	**4**	**7.7**	**3**
Barium	mg/kg	220,000	**59.5**	**139 J**	**665 J**	**70.3 J**	**125 J**	**157 J**	**93 J**	N/A	**357**
Beryllium	mg/kg	2,300	**0.98 J**	**0.88 J**	**2**	**0.58 J**	**1.9**	**0.57 J**	**1.1**	N/A	**2.7**
Cadmium	mg/kg	980	0.25 B	0.22 B	0.45 B	1.6 U	1.3 U	1.5 U	1.5 U	N/A	1.8 B
Chromium	mg/kg	120,000	**28.8**	**29 J**	**31 J**	**8.1 J**	**28.3 J**	**24.5 J**	**24.6 J**	N/A	**52.4**
Chromium VI	mg/kg	6.3	0.34 B	0.35 B	0.37 B	0.37 B	0.72 B	0.42 B	**1.6 J-**	N/A	0.37 B
Cobalt	mg/kg	350	**17.3**	**4.3 J**	**2.9 J**	**4.9 J**	**8.1**	**3.5 J**	**3.9 J**	N/A	**3.5 J**
Copper	mg/kg	47,000	**373**	**22.6**	**21**	**34**	**12.4**	**12**	**9.5**	N/A	**25.2**
Iron	mg/kg	820,000	**29,500**	**20,800 J**	**14,200 J**	**20,900 J**	**15,800 J**	**15,200 J**	**18,600 J**	N/A	**13,100**
Lead	mg/kg	800	**47.4**	**34.5 J**	**73.6 J**	2.7 U	**12.7 J**	**5.6 J**	**14.5 J**	N/A	**27.9**
Manganese	mg/kg	26,000	**379**	**575**	**4,090**	**152**	**44.8**	**382**	**28.5**	N/A	**5,890**
Mercury	mg/kg	350	**0.034 J**	**0.092 J**	0.13 U	**0.015 J**	**0.0024 J**	**0.047 J**	**0.028 J**	N/A	0.11 U
Nickel	mg/kg	22,000	**23.6**	**13.9**	**10.2**	**16**	**19.2**	9.6 B	**10.2**	N/A	**7.1 J**
Selenium	mg/kg	5,800	4.2 U	3.9 U	4 U	4.4 U	3.5 U	4.1 U	4 U	N/A	3.6 U
Silver	mg/kg	5,800	3.1 U	3 U	3 U	3.3 U	2.6 U	3.1 U	3 U	N/A	2.7 U
Thallium	mg/kg	12	10.5 U	9.9 U	9.9 U	10.9 U	8.8 U	10.2 U	10.1 U	N/A	9 U
Vanadium	mg/kg	5,800	**53.4**	**40.2 J**	**60.4 J**	**10.2 J**	**46.7 J**	**33.4 J**	**32.4 J**	N/A	**141**
Zinc	mg/kg	350,000	**64**	**61.5**	**68.2**	**35**	**82.5**	**25.4**	**69.4**	N/A	**59.5**
Other											
Cyanide	mg/kg	150	0.16 B	**0.24 J**	**1.5**	**0.094 J**	**0.036 J**	**0.47 J**	0.67 U	N/A	0.63 B

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-106-SB-8.5*	B22-107-SB-1	B22-107-SB-5	B22-107-SB-10	B22-108-SB-1	B22-108-SB-5	B22-109-SB-1*	B22-109-SB-4.5*	B22-110-SB-1*
Metal											
Aluminum	mg/kg	1,100,000	**19,300**	**16,800**	**14,100**	N/A	**12,500**	**19,900**	**16,700**	**17,600**	**14,700**
Antimony	mg/kg	470	2.7 U	2.7 UJ	3.1 UJ	N/A	2.5 UJ	2.9 UJ	3.6 U	3.5 U	3.2 U
Arsenic	mg/kg	3	**4.3**	**9**	**4.4**	**7.3**	**5.1**	**6.2**	**4.5**	**3.2**	**5.2**
Barium	mg/kg	220,000	**82.6**	**270**	**18.3**	N/A	**170**	**309**	**146**	**81.8**	**209**
Beryllium	mg/kg	2,300	**0.61 J**	**1.3**	**0.56 J**	N/A	**0.65 J**	**1.7**	**0.88 J**	**0.6 J**	**1.3**
Cadmium	mg/kg	980	1.3 U	**1.8**	0.16 B	N/A	0.89 B	0.33 B	1.5 B	0.21 B	**14**
Chromium	mg/kg	120,000	**26.6**	**764**	**32.2**	N/A	**59.8**	**40**	**20.3**	**25.1**	**588**
Chromium VI	mg/kg	6.3	0.34 B	0.86 B	**1.7 J-**	N/A	0.76 B	0.88 B	0.73 B	0.82 B	0.31 B
Cobalt	mg/kg	350	**4.5**	**19.2**	**3.6 J**	N/A	**8.9**	**5.2**	**5.1 J**	**7.3**	**6.6**
Copper	mg/kg	47,000	**15.3**	**198**	**12.5**	N/A	**162**	**46.9**	**86.1**	**24.2**	**347**
Iron	mg/kg	820,000	**15,300**	**92,000**	**14,500**	N/A	**36,900**	**16,400**	**15,600**	**22,800**	**46,200**
Lead	mg/kg	800	**13.7**	**4,070**	**23.9**	N/A	**155**	**89.7**	**29.4**	**22.6**	**1,270**
Manganese	mg/kg	26,000	**264**	**3,170 J**	**70 J**	N/A	**1,540 J**	**3,080 J**	**900**	**198**	**2,220**
Mercury	mg/kg	350	**0.07 J**	**0.29**	**0.08 J**	N/A	**0.092 J**	**0.024 J**	**1.8**	**0.1 J**	**10.2**
Nickel	mg/kg	22,000	**10.9**	**47.1**	**8.3 J**	N/A	**18.1**	**10.6**	**10.5 J**	**18.3**	**145**
Selenium	mg/kg	5,800	3.6 U	3.6 U	4.1 U	N/A	3.3 U	3.9 U	2.8 B	4.7 U	4.3 U
Silver	mg/kg	5,800	2.7 U	2.7 U	3.1 U	N/A	2.5 U	2.9 U	3.6 U	3.5 U	3.2 U
Thallium	mg/kg	12	8.9 U	8.9 U	10.3 U	N/A	8.2 U	9.7 U	11.9 U	11.8 U	10.8 U
Vanadium	mg/kg	5,800	**39.8**	**123**	**40.8**	N/A	**25.5**	**103**	**47.4**	**28.7**	**71.3**
Zinc	mg/kg	350,000	**44.7**	**382**	**37.1**	N/A	**305**	**100**	**761**	**98.6**	**711**
Other											
Cyanide	mg/kg	150	0.35 B	0.47 B	0.068 B	N/A	0.27 B	0.19 B	0.5 B	**1.1**	**2.2**

Detections in bold
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UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
J+: The positive result for this analyte is a quantitative estimate but may be biased high.
J-: The positive result for this analyte is a quantitative estimate but may be biased low.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-110-SB-4*	B22-111-SB-1*	B22-111-SB-8*	B22-112-SB-1*	B22-112-SB-4*	B22-112-SB-10*	B22-113-SB-1*	B22-113-SB-4*
Metal										
Aluminum	mg/kg	1,100,000	**15,100**	**23,100**	**16,900**	**17,400**	**8,260**	N/A	**13,200**	**17,400**
Antimony	mg/kg	470	3.1 U	2.7 U	**1.9 J**	2.9 U	3 U	N/A	3.4 U	3.1 U
Arsenic	mg/kg	3	**33.5**	**5.6**	**3.2**	**2.8**	**4.2**	**6**	2.9 U	**6.8**
Barium	mg/kg	220,000	**301**	**301**	**41.9**	**235**	**78.7**	N/A	**81.2**	**261**
Beryllium	mg/kg	2,300	**0.6 J**	**1.9**	**0.6 J**	**1.5**	**0.48 J**	N/A	1.1 U	**1**
Cadmium	mg/kg	980	**10.4**	0.52 B	0.29 B	0.66 B	0.56 B	N/A	0.52 B	0.45 B
Chromium	mg/kg	120,000	**206**	**49.2**	**28.1**	**798**	**415**	N/A	**933**	**227**
Chromium VI	mg/kg	6.3	0.42 B	0.41 B	0.34 B	0.58 B	1.3 B	N/A	**8.5**	0.58 B
Cobalt	mg/kg	350	**44.1**	**6.5**	**7**	**5.8**	**9.8**	N/A	**1.6 J**	**6.8**
Copper	mg/kg	47,000	**401**	**22**	**12.6**	**87**	**111**	N/A	**32.4**	**222**
Iron	mg/kg	820,000	**206,000**	**22,400**	**15,000**	**163,000**	**82,900**	N/A	**168,000**	**30,200**
Lead	mg/kg	800	**997**	**58**	**26.4**	**166**	**78.3**	N/A	**40.7**	**45.9**
Manganese	mg/kg	26,000	**6,060**	**3,110**	**121**	**21,800**	**7,360**	N/A	**24,700**	**6,340**
Mercury	mg/kg	350	**0.08 J**	**0.035 J**	**0.016 J**	**0.79**	**0.07 J**	N/A	**0.0052 J**	**0.029 J**
Nickel	mg/kg	22,000	**128**	**12.8**	**15**	**66.6**	**23.5**	N/A	**16**	**27.8**
Selenium	mg/kg	5,800	4.2 U	2.4 B	3.8 U	3.9 U	4 U	N/A	4.6 U	4.1 U
Silver	mg/kg	5,800	**4.6**	2.7 U	2.8 U	**1.6 J**	3 U	N/A	**3.3 J**	3.1 U
Thallium	mg/kg	12	10.4 U	8.9 U	9.4 U	9.8 U	**10.5**	N/A	11.4 U	10.2 U
Vanadium	mg/kg	5,800	**615**	**130**	**30.8**	**1,170**	**2,840**	N/A	**613**	**1,420**
Zinc	mg/kg	350,000	**9,230**	**103**	**56**	**258**	**208**	N/A	**206**	**113**
Other										
Cyanide	mg/kg	150	0.67 B	0.34 B	0.12 B	**0.77**	0.51 B	N/A	0.26 B	0.22 B

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R: The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-114-SB-1*	B22-114-SB-8*	B22-114-SB-10*	B22-115-SB-1	B22-115-SB-8.5	B22-116-SB-1*	B22-116-SB-8.5*	B22-117-SB-1*
Metal										
Aluminum	mg/kg	1,100,000	**17,700**	**15,900**	N/A	**13,300**	**15,900**	**8,840**	**26,700**	**17,300**
Antimony	mg/kg	470	2.8 U	3.6 U	N/A	3.4 UJ	3.1 UJ	3.1 U	3.1 U	3 U
Arsenic	mg/kg	3	**2.2 J**	**13.3**	**5.6**	**8.8**	**13.3**	**6.3**	**3.4**	**9.9**
Barium	mg/kg	220,000	**77.4**	**172**	N/A	**95.2 J+**	**107 J+**	**66.2**	**542**	**377**
Beryllium	mg/kg	2,300	0.94 U	**0.94 J**	N/A	1.1 U	**0.86 J**	1 U	**2.5**	**1**
Cadmium	mg/kg	980	0.47 B	1.1 B	N/A	**0.43 J**	**0.26 J**	0.47 B	0.45 B	**3.8**
Chromium	mg/kg	120,000	**1,000**	**178**	N/A	**1,210**	**30**	**1,010**	**52.5**	**552**
Chromium VI	mg/kg	6.3	0.39 B	0.51 B	N/A	1.1 B	0.19 B	2.9 B	0.39 B	0.56 B
Cobalt	mg/kg	350	**2.6 J**	**10.5**	N/A	**2.5 J**	**7.1**	**2 J**	**4.2 J**	**11.2**
Copper	mg/kg	47,000	**51.8**	**218**	N/A	**46.2**	**30.1**	**37**	**103**	**167**
Iron	mg/kg	820,000	**192,000**	**60,600**	N/A	**190,000 J**	**20,500 J**	**170,000**	**21,100**	**94,700**
Lead	mg/kg	800	**24.9**	**100**	N/A	**16.4**	**37.2**	**31**	**2,850**	**372**
Manganese	mg/kg	26,000	**22,900**	**4,280**	N/A	**31,600 J-**	**740 J-**	**27,200**	**5,130**	**20,000**
Mercury	mg/kg	350	**0.019 J**	**0.088 J**	N/A	0.12 UJ	**0.036 J-**	**0.0071 J**	0.12 U	**0.26**
Nickel	mg/kg	22,000	**24.7**	**51.5**	N/A	**21.5**	**25.5**	**20.6**	11.4 B	**85.3**
Selenium	mg/kg	5,800	3.8 U	**3.1 J**	N/A	4.5 U	4.2 U	4.1 U	4.2 U	4 U
Silver	mg/kg	5,800	**3.1**	3.6 U	N/A	**3.2 J**	3.1 U	**2.6 J**	3.1 U	3 U
Thallium	mg/kg	12	9.4 U	11.9 U	N/A	11.2 U	10.4 U	10.3 U	10.4 U	10.1 U
Vanadium	mg/kg	5,800	**523**	**148**	N/A	**723**	**45.6**	**577**	**95.8**	**1,240**
Zinc	mg/kg	350,000	**415**	**346**	N/A	**183**	**190**	**196**	**91.8**	**1,380**
Other										
Cyanide	mg/kg	150	0.29 B	0.23 B	N/A	0.25 B	0.49 B	0.27 B	0.3 B	**2**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-117-SB-4*	B22-117-SB-10	B22-118-SB-1*	B22-118-SB-9*	B22-118-SB-10*	B22-119-SB-1	B22-119-SB-9	B22-119-SB-10*	B22-120-SB-1*
Metal											
Aluminum	mg/kg	1,100,000	**10,900**	N/A	**21,500**	**14,000**	N/A	**8,780**	**17,500**	N/A	**12,800**
Antimony	mg/kg	470	2.9 U	N/A	3.1 U	3.1 U	N/A	3.1 UJ	4 UJ	N/A	2.8 U
Arsenic	mg/kg	3	**10.4**	**8.4**	**8.4**	**4.3**	**4.3**	**2.5 J**	**4.1**	**6.2**	**23.9**
Barium	mg/kg	220,000	**176**	N/A	**270**	**191**	N/A	**81.1 J+**	**103 J+**	N/A	**244**
Beryllium	mg/kg	2,300	**0.89 J**	N/A	**2.6**	**0.49 J**	N/A	**1.1**	**1.1 J**	N/A	**0.88 J**
Cadmium	mg/kg	980	**3**	N/A	1.5 B	1.2 B	N/A	**1.1 J**	2 U	N/A	**2.9**
Chromium	mg/kg	120,000	**511**	N/A	**340**	**1,810**	N/A	**226**	**32**	N/A	**1,020**
Chromium VI	mg/kg	6.3	0.57 B	N/A	0.49 B	0.78 B	N/A	0.43 B	1.5 UJ	N/A	0.64 B
Cobalt	mg/kg	350	**17**	N/A	**8.2**	**5.1 J**	N/A	**3 J**	**13.4**	N/A	**20.2**
Copper	mg/kg	47,000	**157**	N/A	**131**	**112**	N/A	**33.5**	**16.2**	N/A	**528**
Iron	mg/kg	820,000	**177,000**	N/A	**101,000**	**137,000**	N/A	**49,700 J**	**25,600 J**	N/A	**193,000**
Lead	mg/kg	800	**338**	N/A	**292**	**63.6**	N/A	**76.5**	**12**	N/A	**246**
Manganese	mg/kg	26,000	**19,500**	N/A	**12,500**	**41,400**	**45,400**	**16,100 J-**	**204 J-**	N/A	**25,700**
Mercury	mg/kg	350	**0.11**	N/A	**0.16**	**0.085 J**	N/A	**0.012 J-**	**0.023 J-**	N/A	**0.18**
Nickel	mg/kg	22,000	**46.7**	N/A	**27.7**	**17.8**	N/A	**14.5**	**25.2**	N/A	**451**
Selenium	mg/kg	5,800	3.9 U	N/A	4.2 U	4.1 U	N/A	4.1 U	5.3 U	N/A	3.7 U
Silver	mg/kg	5,800	2.9 U	N/A	3.1 U	3.1 U	N/A	3.1 U	4 U	N/A	**1.8 J**
Thallium	mg/kg	12	9.8 U	N/A	10.5 U	10.3 U	N/A	10.2 U	10.6 U	N/A	9.3 U
Vanadium	mg/kg	5,800	**1,070**	N/A	**728**	**1,870**	N/A	**477**	**38.2**	N/A	**1,310**
Zinc	mg/kg	350,000	**1,110**	N/A	**444**	**283**	N/A	**300**	**69.6**	N/A	**1,010**
Other											
Cyanide	mg/kg	150	**4.9**	N/A	0.43 B	0.69 B	N/A	**7.2 J-**	0.57 B	N/A	0.42 B

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-120-SB-8*	B22-121-SB-1*	B22-121-SB-9*	B22-121-SB-10*	B22-122-SB-1	B22-123-SB-1	B22-124-SB-1	B22-124-SB-4	B22-125-SB-1*
Metal											
Aluminum	mg/kg	1,100,000	**15,100**	**19,100**	**15,400**	N/A	**15,000**	**18,800**	**36,900**	**27,400**	**19,100**
Antimony	mg/kg	470	3.1 U	3.1 U	3.7 U	N/A	**1.7 J**	2.5 UJ	2.6 UJ	2.6 UJ	3 U
Arsenic	mg/kg	3	**3.2**	**11**	**10.2**	**20.5**	**14.5**	**2.5**	**3.2**	**12.4**	**6.2**
Barium	mg/kg	220,000	**90.5**	**229**	**175**	N/A	**215**	**65.8**	**517**	**1,440**	**478**
Beryllium	mg/kg	2,300	**0.81 J**	**1.1**	**0.98 J**	N/A	**1.1**	0.83 U	**5.4**	**2.9**	**1.6**
Cadmium	mg/kg	980	0.19 B	1.6 B	**0.61 J**	N/A	0.68 B	0.83 B	1 B	**13.6**	**1.2 J**
Chromium	mg/kg	120,000	**30.5**	**920**	**85.9**	N/A	**77.6**	**1,090**	**78.6**	**206**	**205**
Chromium VI	mg/kg	6.3	0.64 B	0.39 B	1.3 B	N/A	0.6 B	**2.9 J-**	0.5 B	0.49 B	0.41 B
Cobalt	mg/kg	350	**5.9**	**11.1**	**10**	N/A	**16.6**	**2.1 J**	**5.4**	**52.3**	**5.5**
Copper	mg/kg	47,000	**105**	**128**	**106**	N/A	**3,030**	**41.1**	**117**	**1,010**	**105**
Iron	mg/kg	820,000	**21,200**	**77,500**	**32,500**	N/A	**76,500 J**	**177,000 J**	**37,900 J**	**99,900 J**	**70,200**
Lead	mg/kg	800	**59.4**	**163**	**101**	N/A	**415**	**43**	**84.3**	**724**	**139**
Manganese	mg/kg	26,000	**559**	**17,100**	**1,980**	N/A	**1,570 J**	**23,300 J**	**6,380 J**	**5,930 J**	**8,380**
Mercury	mg/kg	350	**0.09 J**	**0.086 J**	**0.11 J**	N/A	**0.23**	**0.059 J**	0.11 U	**0.12**	0.11 U
Nickel	mg/kg	22,000	**15.8**	**36.7**	**29.6**	N/A	**76.4**	**31.3**	**23.9**	**185**	**16.5**
Selenium	mg/kg	5,800	4.1 U	4.1 U	4.9 U	N/A	4 U	3.3 U	3.5 U	3.4 U	4 U
Silver	mg/kg	5,800	3.1 U	3.1 U	3.7 U	N/A	**1.3 J**	**2.2 J**	2.6 U	**7**	3 U
Thallium	mg/kg	12	10.2 U	10.3 U	9.8 U	N/A	10 U	8.3 U	8.7 U	8.6 U	9.9 U
Vanadium	mg/kg	5,800	**52.7**	**2,890**	**180**	N/A	**22.3**	**608**	**151**	**48.8**	**1,240**
Zinc	mg/kg	350,000	**169**	**449**	**294**	N/A	**443 J**	**273 J**	**195 J**	**15,900 J**	**405**
Other											
Cyanide	mg/kg	150	0.35 B	0.8 B	0.38 B	N/A	**3.6**	**0.59 J**	**0.41 J**	**0.57 J**	0.21 B

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-125-SB-4*	B22-125-SB-10	B22-126-SB-1*	B22-126-SB-6*	B22-126-SB-10*	B22-127-SB-1*	B22-127-SB-7*	B22-128-SB-1	B22-129-SB-1
Metal											
Aluminum	mg/kg	1,100,000	**17,000**	N/A	**10,500**	**17,000**	N/A	**33,300**	**11,400**	**11,900**	**40,900**
Antimony	mg/kg	470	3.6 U	N/A	3.2 U	3.6 U	N/A	3.1 U	3.3 U	2.4 UJ	2.4 UJ
Arsenic	mg/kg	3	**6.5**	**6.2**	2.7 U	**6.8**	**7.1**	**3.7**	**2.9**	**4**	**9.9**
Barium	mg/kg	220,000	**218**	N/A	**274**	**62.8**	N/A	**548**	**55.5**	**54.8 J**	**353 J**
Beryllium	mg/kg	2,300	**2.3**	N/A	**1.6**	**0.89 J**	N/A	**4.9**	**0.83 J**	**0.28 J**	**6.3**
Cadmium	mg/kg	980	**1.1 J**	N/A	0.2 B	1.8 U	N/A	**1.4 J**	1.7 U	0.46 B	0.37 B
Chromium	mg/kg	120,000	**131**	N/A	**28**	**41.9**	N/A	**157**	**19.9**	**1,340**	**191**
Chromium VI	mg/kg	6.3	0.55 B	N/A	0.35 B	0.4 B	N/A	0.39 B	0.35 B	**1.8 J-**	1.1 B
Cobalt	mg/kg	350	**9.9**	N/A	**1.1 J**	**6.1**	N/A	**6.3**	**9.8**	**0.88 J**	**1.1 J**
Copper	mg/kg	47,000	**1,740**	N/A	**14.5**	**16.8**	N/A	**64**	**13.8**	**28.4**	**23.1**
Iron	mg/kg	820,000	**56,700**	N/A	**25,300**	**16,200**	N/A	**59,600**	**18,800**	**179,000 J**	**43,100 J**
Lead	mg/kg	800	**311**	N/A	**39.1**	**48.8**	N/A	**116**	**11**	**68.7**	**31.4**
Manganese	mg/kg	26,000	**6,420**	N/A	**598**	**95.2**	N/A	**12,100**	**252**	**26,400 J**	**5,470 J**
Mercury	mg/kg	350	**0.16**	N/A	**0.036 J**	**0.016 J**	N/A	**0.0038 J**	**0.015 J**	**0.44 J+**	0.1 U
Nickel	mg/kg	22,000	**31.1**	N/A	**5 J**	**13.2**	N/A	**31.4**	**18.6**	**13.5**	**8.3**
Selenium	mg/kg	5,800	4.8 U	N/A	3.7 B	4.8 U	N/A	4.2 U	4.4 U	3.1 U	**4.1**
Silver	mg/kg	5,800	3.6 U	N/A	3.2 U	3.6 U	N/A	3.1 U	3.3 U	**1.6 J**	2.4 U
Thallium	mg/kg	12	11.9 U	N/A	10.6 U	11.9 U	N/A	10.4 U	11.1 U	7.9 UJ	8 UJ
Vanadium	mg/kg	5,800	**512**	N/A	**32.8**	**53.7**	N/A	**526**	**24.7**	**803 J**	**102 J**
Zinc	mg/kg	350,000	**433**	N/A	**41.6**	**47.3**	N/A	**271**	**53.8**	**59.1 J**	**49.6 J**
Other											
Cyanide	mg/kg	150	**0.8**	N/A	**0.96**	0.18 B	N/A	0.23 B	0.1 B	**0.1 J-**	**0.46 J-**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-129-SB-4	B22-130-SB-1	B22-130-SB-4	B22-131-SB-1	B22-131-SB-5	B22-132-SB-1	B22-132-SB-5	B22-133-SB-1	B22-133-SB-5
Metal											
Aluminum	mg/kg	1,100,000	**31,900**	**17,800**	**8,220**	**16,700**	**13,000**	**38,100**	**22,000**	**9,520**	**8,820**
Antimony	mg/kg	470	2.6 UJ	2.4 UJ	2.6 UJ	3.4 UJ	3.3 UJ	3 UJ	3.6 UJ	2.9 UJ	2.8 UJ
Arsenic	mg/kg	3	**4.7**	**9.8**	**4.8**	**5.1**	**12.5**	**3**	**11.8**	**3.2**	**5.6**
Barium	mg/kg	220,000	**478 J**	**65**	**62.8**	**101 J**	**26.4 J**	**1,340 J**	**82 J**	**57.1 J**	**67.4 J**
Beryllium	mg/kg	2,300	**3.6**	0.8 U	**0.59 J**	**1.5**	**0.9 J**	**2.6**	**0.83 J**	**0.43 J**	**0.44 J**
Cadmium	mg/kg	980	0.27 B	**0.47 J**	1.3 U	0.27 B	1.6 U	0.39 B	0.22 B	1.4 B	1 B
Chromium	mg/kg	120,000	**30.6**	**1,240 J**	**16.1 J**	**21.4**	**26.1**	**23.4**	**35.4**	**549**	**844**
Chromium VI	mg/kg	6.3	0.32 B	**11.7 J-**	0.33 B	0.33 B	**1.4**	0.37 B	0.49 B	0.32 B	0.38 B
Cobalt	mg/kg	350	**5.3**	**3.3 J**	**5.4**	**12**	**7**	**2.5 J**	**5.3 J**	**2.8 J**	**3.3 J**
Copper	mg/kg	47,000	**34.7**	**80.8**	**11.4**	**12.2**	**12.4**	**13.1**	**17.5**	**41.5**	**49.3**
Iron	mg/kg	820,000	**31,200 J**	**151,000 J**	**14,100 J**	**20,800 J**	**25,800 J**	**8,170 J**	**30,900 J**	**99,000 J**	**143,000 J**
Lead	mg/kg	800	**16.3**	**170 J**	**32 J**	**14.2**	**12.3**	**23.5**	**20.1**	**104 J**	**130 J**
Manganese	mg/kg	26,000	**5,050 J**	**29,100 J**	**506 J**	**305**	**75.9**	**4,470**	**186**	**13,300 J**	**19,400 J**
Mercury	mg/kg	350	0.11 U	**0.13 J-**	**0.02 J-**	**0.014 J**	0.12 U	0.11 U	**0.022 J**	**0.1 J**	**0.12**
Nickel	mg/kg	22,000	**18.9**	**39.2 J**	**8 J**	**22**	**13.1**	**4.3 J**	**13.1**	**22.2**	**29.7**
Selenium	mg/kg	5,800	3.5 U	3.2 U	3.5 U	4.5 U	4.4 U	4 U	4.8 U	3.9 U	3.8 U
Silver	mg/kg	5,800	2.6 U	**2.5**	2.6 U	3.4 U	3.3 U	3 U	3.6 U	2.9 U	2.8 U
Thallium	mg/kg	12	8.7 UJ	8 UJ	8.7 U	11.2 U	11 U	9.9 U	11.9 U	9.7 U	9.4 U
Vanadium	mg/kg	5,800	**57.7 J**	**842 J**	**24.9 J**	**28.7**	**34.2**	**93.8**	**49.7**	**327 J**	**506 J**
Zinc	mg/kg	350,000	**35.4 J**	**327 J**	**53 J**	**61.5**	**44.1**	**66.2**	**53.4**	**165**	**176**
Other											
Cyanide	mg/kg	150	**0.13 J-**	**0.52 J**	**0.13 J**	**0.087 J**	0.64 U	**0.26 J**	**0.14 J**	**3.5**	**6.8**

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B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-134-SB-1	B22-134-SB-7	B22-135-SB-1	B22-135-SB-8	B22-136-SB-1	B22-136-SB-5	B22-137-SB-1	B22-137-SB-8	B22-138-SB-1
Metal											
Aluminum	mg/kg	1,100,000	**19,900**	**18,900**	**9,260**	**20,600**	**16,100**	**11,600**	**11,100**	**8,370**	**11,800**
Antimony	mg/kg	470	2.8 UJ	2.6 UJ	2.7 UJ	2.9 UJ	2.4 UJ	3.9 UJ	3 UJ	3 UJ	3.3 UJ
Arsenic	mg/kg	3	**6.8**	**6.4**	**9.9**	**8.5**	**3.1**	**8.8**	**5.5**	**5**	**4.7**
Barium	mg/kg	220,000	**285**	**210**	**47.2**	**489**	**102 J**	**111 J**	**65.3**	**21.2**	**87.4**
Beryllium	mg/kg	2,300	**2.3**	**2.4**	**0.19 J**	**2.3**	**0.61 J**	**0.84 J**	**0.67 J**	**0.38 J**	**0.68 J**
Cadmium	mg/kg	980	**1.6**	**0.98 J**	**0.52 J**	**1.3 J**	0.48 B	**2.7**	1.5 U	1.5 U	**0.52 J**
Chromium	mg/kg	120,000	**472 J**	**664 J**	**1,030 J**	**1,150 J**	**852**	**360**	**1,130**	**8.4**	**35.2**
Chromium VI	mg/kg	6.3	**2.3 J-**	1.1 B	**11 J-**	0.38 B	**1.6 J-**	0.51 B	0.3 B	0.37 B	0.37 B
Cobalt	mg/kg	350	**3.9 J**	**2.9 J**	**2 J**	**7.4**	**1.1 J**	**6.9**	**1.1 J**	**2.6 J**	**10.7**
Copper	mg/kg	47,000	**69**	**54.8**	**40.9**	**69.9**	**23.9**	**93.8**	**25.5**	**1.9 J**	**35.2**
Iron	mg/kg	820,000	**102,000 J**	**105,000 J**	**175,000 J**	**114,000 J**	**148,000 J**	**92,600 J**	**195,000 J**	**13,200 J**	**23,100 J**
Lead	mg/kg	800	**168 J**	**555 J**	**108 J**	**189 J**	**23.9 J**	**275 J**	2.5 U	**5.1**	**53.6**
Manganese	mg/kg	26,000	**11,500 J**	**12,600 J**	**22,500 J**	**19,000 J**	**21,000 J**	**8,230 J**	**30,400**	**48.1**	**1,140**
Mercury	mg/kg	350	**0.099 J-**	**0.12 J-**	**0.018 J-**	**0.17 J-**	**0.013 J**	**0.58**	0.1 U	0.11 U	**0.12 J**
Nickel	mg/kg	22,000	**31.2 J**	**18.2 J**	**20 J**	**25.1 J**	**11.1**	**42.9**	**16.5**	**6.3 J**	**18**
Selenium	mg/kg	5,800	3.7 U	3.5 U	3.6 U	**2.2 J**	3.2 U	5.2 U	4 U	4 U	4.4 U
Silver	mg/kg	5,800	2.8 U	2.6 U	**1.9 J**	**1.2 J**	2.4 U	3.9 U	**2 J**	3 U	3.3 U
Thallium	mg/kg	12	9.3 UJ	8.8 UJ	8.9 UJ	9.8 UJ	8 U	10.4 U	9.9 U	10.1 U	11.1 U
Vanadium	mg/kg	5,800	**314 J**	**343 J**	**673 J**	**502 J**	**568 J**	**234 J**	**850**	**17.1**	**49.2**
Zinc	mg/kg	350,000	**246 J**	**283 J**	**114 J**	**208 J**	**97.8**	**485**	**67.3**	**13.6**	**97.9**
Other											
Cyanide	mg/kg	150	**0.92**	**1**	**0.84**	**1.9**	**0.32 J**	**17.2**	**0.6 J-**	**0.99 J-**	**1.8 J-**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-138-SB-8	B22-138-SB-10	B22-139-SB-1	B22-139-SB-4	B22-140-SB-1	B22-140-SB-5	B22-140-SB-10	B22-141-SB-1	B22-141-SB-5
Metal											
Aluminum	mg/kg	1,100,000	**7,920**	N/A	**6,120**	**23,100**	**21,200**	**28,700**	N/A	**32,000**	**19,300**
Antimony	mg/kg	470	3.3 UJ	N/A	3.5 UJ	3.3 UJ	3 UJ	3.5 UJ	N/A	3.2 UJ	3.5 UJ
Arsenic	mg/kg	3	**4.9**	2.4 U	**17.5**	**8.8**	**2.4 J**	**6**	**2.8**	**4.2**	**6.1**
Barium	mg/kg	220,000	**35.9**	N/A	**56.3**	**589**	**34**	**805**	N/A	**506**	**65.3**
Beryllium	mg/kg	2,300	**0.56 J**	N/A	**0.43 J**	**2.4**	1 U	**2.1**	N/A	**4.8**	**0.83 J**
Cadmium	mg/kg	980	1.6 U	N/A	**0.35 J**	**0.39 J**	1.5 U	**0.57 J**	N/A	**0.52 J**	1.7 U
Chromium	mg/kg	120,000	**13.7**	N/A	**389**	**274**	**1,280**	**73.6**	N/A	**297**	**26.5**
Chromium VI	mg/kg	6.3	0.23 B	N/A	0.27 B	0.32 B	**7.8 J-**	0.27 B	N/A	0.31 B	0.42 B
Cobalt	mg/kg	350	**2 J**	N/A	**10.4**	**10.5**	**1.4 J**	**6.1**	N/A	**3.7 J**	**5.4 J**
Copper	mg/kg	47,000	**2.4 J**	N/A	**41.2**	**31.8**	**24.7**	**21.2**	N/A	**29.6**	**9.1**
Iron	mg/kg	820,000	**21,500 J**	N/A	**394,000 J**	**254,000 J**	**218,000 J**	**17,800 J**	N/A	**104,000 J**	**18,300**
Lead	mg/kg	800	**7.2**	N/A	**10.6**	**43.1**	2.5 U	**46.5**	N/A	**20.2**	**11.1**
Manganese	mg/kg	26,000	**40.7**	N/A	**9,830**	**9,120**	**29,900**	**5,970**	N/A	**9,510**	**98.5**
Mercury	mg/kg	350	**0.0024 J**	N/A	0.11 U	**0.0023 J**	0.11 U	**0.0091 J**	N/A	0.1 U	0.11 U
Nickel	mg/kg	22,000	**4.9 J**	N/A	**70.7**	**73.1**	**22.6**	**11.9**	N/A	**20.3**	**14.1**
Selenium	mg/kg	5,800	4.4 U	N/A	4.6 U	4.4 U	4 U	4.6 U	N/A	4.3 U	4.7 U
Silver	mg/kg	5,800	3.3 U	N/A	**6.3**	**2.4 J**	**2.2 J**	3.5 U	N/A	3.2 U	3.5 U
Thallium	mg/kg	12	10.9 U	N/A	11.5 U	11.1 U	10 U	11.5 U	N/A	10.7 U	11.6 U
Vanadium	mg/kg	5,800	**13.2**	N/A	**243**	**249**	**881**	**209**	N/A	**276**	**40.4**
Zinc	mg/kg	350,000	**15**	N/A	**130**	**93.2**	**122**	**91.9**	N/A	**97.5**	**30.6**
Other											
Cyanide	mg/kg	150	**1.3 J-**	N/A	**0.65 J-**	**0.88 J-**	**0.59 J-**	**2.7 J-**	N/A	**0.92 J-**	**1.6 J-**

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-142-SB-1	B22-142-SB-5	B22-143-SB-1	B22-143-SB-5	B22-143-SB-10	B22-144-SB-1*	B22-144-SB-7*	B22-145-SB-1*	B22-145-SB-4*
Metal											
Aluminum	mg/kg	1,100,000	**13,500**	**13,000**	**12,600**	**10,400**	N/A	**3,300**	**25,700**	**15,300**	**15,900**
Antimony	mg/kg	470	3.2 UJ	3 UJ	2.7 UJ	3.1 UJ	N/A	4.3 U	3.1 U	2.8 U	3 U
Arsenic	mg/kg	3	**4.8**	**3**	**5.3**	**5.1**	**4**	2.9 U	2.6 U	**5.9**	**4.2**
Barium	mg/kg	220,000	**56.6**	**34.6**	**41.5**	**55.1**	N/A	**584**	**86.8**	**269**	**291**
Beryllium	mg/kg	2,300	1.1 U	1 U	0.89 U	**0.21 J**	N/A	1.4 U	**1.1**	**1.6**	**0.97 J**
Cadmium	mg/kg	980	**0.24 J**	1.5 U	1.3 U	1.5 U	N/A	2.2 U	0.43 B	2.3 B	2.2 B
Chromium	mg/kg	120,000	**1,240**	**1,330**	**1,350**	**1,450**	N/A	**55.5**	**79.5**	**329**	**58.5**
Chromium VI	mg/kg	6.3	**5 J-**	0.28 B	**3.6 J-**	0.31 B	N/A	0.45 B	0.72 B	0.53 B	0.62 B
Cobalt	mg/kg	350	**1.3 J**	5 U	4.5 U	**0.36 J**	N/A	**1.2 J**	**4.7 J**	**8.2**	**10.2**
Copper	mg/kg	47,000	**19**	**12.3**	**13.2**	**13.5**	N/A	17.6 B	13 B	**136**	**87.4**
Iron	mg/kg	820,000	**201,000 J**	**183,000 J**	**194,000 J**	**188,000 J**	N/A	**12,500**	**10,400**	**99,800**	**29,000**
Lead	mg/kg	800	**3.1**	2.5 U	2.2 U	2.6 U	N/A	**114**	**97.3**	**900**	**578**
Manganese	mg/kg	26,000	**28,500**	**28,600**	**30,600**	**27,900**	**165**	**759**	**281**	**6,480**	**2,370**
Mercury	mg/kg	350	0.11 U	**0.0066 J**	0.1 U	0.11 U	N/A	**0.062 J**	**0.2**	**0.9**	**0.044 J**
Nickel	mg/kg	22,000	**20.6**	**7.1 J**	**11.5**	**12.5**	N/A	**6.3 J**	**18**	**55.3**	**24.8**
Selenium	mg/kg	5,800	4.2 U	**2.3 J**	3.6 U	4.1 U	N/A	5.7 U	4.2 U	3.8 U	4 U
Silver	mg/kg	5,800	**2.5 J**	**1 J**	**2.2 J**	**2.2 J**	N/A	4.3 U	3.1 U	**1.6 J**	3 U
Thallium	mg/kg	12	10.5 U	10 U	8.9 U	10.2 U	N/A	11.5 U	10.5 U	9.4 U	10 U
Vanadium	mg/kg	5,800	**817**	**1,120**	**878**	**944**	N/A	**31.4**	**209**	**162**	**144**
Zinc	mg/kg	350,000	**94**	**5.5**	**31.4**	**43**	N/A	**88.3**	**158**	**671**	**1,170**
Other											
Cyanide	mg/kg	150	**0.71 J-**	**1.4 J-**	**0.68 J-**	**0.71 J-**	N/A	0.35 B	**1.1**	0.61 B	0.58 B

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-145-SB-10*	B22-146-SB-1	B22-146-SB-5	B22-147-SB-1	B22-147-SB-5.5	B22-148-SB-1*	B22-148-SB-6*	B22-148-SB-10*	B22-149-SB-1*
Metal											
Aluminum	mg/kg	1,100,000	N/A	**7,730**	**15,700**	**29,000**	**18,000**	**8,910**	**2,410**	N/A	**10,400**
Antimony	mg/kg	470	N/A	2.8 UJ	2.8 UJ	3 UJ	3.1 UJ	3 U	3.4 U	N/A	2.7 U
Arsenic	mg/kg	3	**3.3**	**13**	**3.8**	**7.9**	**5.5**	**8.2**	**40.8**	**7.5**	**16.3**
Barium	mg/kg	220,000	N/A	**208**	**73.6**	**572**	**78**	**152**	**584**	N/A	**190**
Beryllium	mg/kg	2,300	N/A	**0.85 J**	**0.59 J**	**2.3**	**0.8 J**	**0.54 J**	1.1 U	N/A	**0.59 J**
Cadmium	mg/kg	980	N/A	1.6 B	1.4 U	1.5 B	1.5 U	**5.1**	**2.5**	N/A	**5.2**
Chromium	mg/kg	120,000	N/A	**169**	**28.5**	**109**	**31.1**	**411**	**2,020**	N/A	**657**
Chromium VI	mg/kg	6.3	N/A	0.85 B	0.58 B	0.39 B	0.45 B	0.62 B	0.57 B	N/A	0.54 B
Cobalt	mg/kg	350	N/A	**5.2**	**7.6**	**7.3**	**6.1**	**11.5**	**41.1**	N/A	**15.2**
Copper	mg/kg	47,000	N/A	**314**	**13.9**	**304**	**19**	**134**	**365**	N/A	**320**
Iron	mg/kg	820,000	N/A	**65,200 J**	**27,600 J**	**57,600 J**	**25,500 J**	**90,600**	**158,000**	N/A	**106,000**
Lead	mg/kg	800	N/A	**116**	**8.5**	**103**	**12.6**	**1,030**	**282**	N/A	**396**
Manganese	mg/kg	26,000	N/A	**736**	**160 J**	**3,530 J**	**156 J**	**9,980**	**1,430**	N/A	**11,600**
Mercury	mg/kg	350	N/A	**0.18**	**0.049 J**	**0.11 J**	**0.048 J**	**0.065 J**	**0.27**	N/A	**0.25**
Nickel	mg/kg	22,000	N/A	**28.4**	**15.8**	**32.6**	**15**	**95.1**	**3,320**	N/A	**202**
Selenium	mg/kg	5,800	N/A	3.7 U	3.8 U	4 U	4.1 U	4 U	4.5 U	N/A	3.6 U
Silver	mg/kg	5,800	N/A	2.8 U	2.8 U	3 U	3.1 U	3 U	**2.2 J**	N/A	2.7 U
Thallium	mg/kg	12	N/A	9.4 U	9.4 U	10.1 U	10.2 U	9.9 U	11.3 U	N/A	9 U
Vanadium	mg/kg	5,800	N/A	**49**	**37.1**	**132**	**35.8**	**925**	**163**	N/A	**1,380**
Zinc	mg/kg	350,000	N/A	**905 J**	**66.4 J**	**644 J**	**54.8 J**	**1,130**	**1,990**	N/A	**1,410**
Other											
Cyanide	mg/kg	150	N/A	**0.35 J**	**0.054 J**	**1.8**	**0.51 J**	1 B	0.57 B	N/A	1.1 B

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Table 6 - Parcel B22
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Parameter	Units	PAL	B22-149-SB-8*	B22-150-SB-1	B22-150-SB-5	B22-151-SB-1	B22-152-SB-1*	B22-152-SB-6*	B22-153-SB-1	B22-153-SB-4	B22-154-SB-1*
Metal											
Aluminum	mg/kg	1,100,000	**7,360**	**30,400**	**21,600**	**41,600**	**16,100**	**11,600**	**19,000**	**18,700**	**8,950**
Antimony	mg/kg	470	3 U	3 UJ	2.9 UJ	**1.5 J**	3.1 U	3 U	3.7 UJ	2.8 UJ	3.2 U
Arsenic	mg/kg	3	**24**	2.5 U	**6.1**	**1.9 J**	**11.1**	**13.7**	**5.1**	**9.8**	**3.9**
Barium	mg/kg	220,000	**123**	**560**	**51.3**	**494**	**167**	**183**	**83.4 J+**	**317 J+**	**76.9**
Beryllium	mg/kg	2,300	**0.27 J**	**2.3**	**0.5 J**	**6.4**	**0.79 J**	1 U	**0.97 J**	**0.4 J**	**0.4 J**
Cadmium	mg/kg	980	**4.6**	0.84 B	1.5 U	0.46 B	**2.8**	**5.4**	**1.6 J**	**10.3**	0.53 B
Chromium	mg/kg	120,000	**564**	**45.2**	**29.3**	**70.2**	**979**	**1,660**	**66**	**1,270**	**1,150**
Chromium VI	mg/kg	6.3	0.67 B	0.58 B	0.4 B	0.34 B	0.59 B	0.68 B	1.3 UJ	0.7 B	0.51 B
Cobalt	mg/kg	350	**24.4**	**3.8 J**	**6.1**	**2.3 J**	**22.7**	**6.3**	**9.3**	**8.6**	**4.5 J**
Copper	mg/kg	47,000	**341**	**229**	**12.3**	**45.4**	**126**	**106**	**45.9**	**96.1**	**58.3**
Iron	mg/kg	820,000	**201,000**	**25,300 J**	**24,200 J**	**33,600 J**	**137,000**	**101,000**	**28,600 J**	**124,000 J**	**179,000**
Lead	mg/kg	800	**449**	**342**	**10.4**	**47.5**	**120**	**276**	**866**	**232**	**59.4**
Manganese	mg/kg	26,000	**12,600**	**6,100 J**	**133 J**	**3,440 J**	**31,900**	**37,900**	**849 J-**	**27,400 J-**	**21,300**
Mercury	mg/kg	350	**0.11 J**	0.13 U	**0.036 J**	0.1 U	**0.043 J**	**0.3**	**0.099 J-**	**0.022 J-**	**0.043 J**
Nickel	mg/kg	22,000	**126**	**11.8**	**14.5**	**9.8**	**26.9**	**30.7**	**31.1**	**42.8**	**32.9**
Selenium	mg/kg	5,800	4 U	4.1 U	3.9 U	3.3 U	4.2 U	4 U	4.9 U	3.8 U	4.2 U
Silver	mg/kg	5,800	**1.6 J**	3 U	2.9 U	2.5 U	3.1 U	3 U	3.7 U	2.8 U	3.2 U
Thallium	mg/kg	12	10 U	10.1 U	9.7 U	8.3 U	10.4 U	10 U	9.8 U	9.5 U	10.6 U
Vanadium	mg/kg	5,800	**1,580**	**125**	**40.5**	**42.7**	**1,300**	**4,520**	**85.3**	**3,240**	**2,110**
Zinc	mg/kg	350,000	**927**	**212 J**	**39.6 J**	**77.1 J**	**834**	**1,170**	**758**	**658**	**145**
Other											
Cyanide	mg/kg	150	0.84 B	**0.21 J**	**0.078 J**	**0.55 J**	0.27 B	**1.3**	0.36 B	**0.81 J-**	**0.81**

Detections in bold
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R: The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-154-SB-5*	B22-155-SB-1*	B22-155-SB-5*	B22-156-SB-1*	B22-156-SB-4.5*	B22-157-SB-1*	B22-158-SB-1*	B22-158-SB-8*
Metal										
Aluminum	mg/kg	1,100,000	**48,500**	**8,250**	**24,100**	**16,600**	**14,400**	**40,400**	**17,500**	**9,890**
Antimony	mg/kg	470	2.9 U	3 U	3.2 U	2.8 U	3.3 U	2.9 U	3.1 U	2.7 U
Arsenic	mg/kg	3	2.4 U	**3.4**	2.6 U	2.3 U	**5.8**	**5.1**	**7.9**	**9.7**
Barium	mg/kg	220,000	**2,490**	**124**	**193**	**76**	**51.3**	**406**	**246**	**112**
Beryllium	mg/kg	2,300	**3.9**	**0.3 J**	**2.8**	0.94 U	**1 J**	**3**	**2**	**0.55 J**
Cadmium	mg/kg	980	0.46 B	0.57 B	1.2 B	1.4 B	1.7 U	0.9 B	**4.1**	**6.7**
Chromium	mg/kg	120,000	**33.9**	**1,450**	**848**	**999**	**19.5**	**32.2**	**679**	**1,200**
Chromium VI	mg/kg	6.3	0.4 B	0.53 B	0.71 B	0.52 B	0.39 B	0.46 B	0.43 B	0.43 B
Cobalt	mg/kg	350	**3.1 J**	**7.8**	**2.5 J**	**1.3 J**	**15.5**	**5**	**11**	**10.7**
Copper	mg/kg	47,000	18.8 B	**44.5**	**30.1**	**32**	**11.9**	**48.9**	**92**	**107**
Iron	mg/kg	820,000	**19,000**	**188,000**	**107,000**	**184,000**	**20,500**	**11,600**	**78,900**	**123,000**
Lead	mg/kg	800	**12.6**	**39.1**	**63.4**	**62.2**	**18.8**	**97.1**	**250**	**520**
Manganese	mg/kg	26,000	**8,090**	**21,500**	**17,500**	**31,400**	**162**	**3,050**	**17,600**	**41,100**
Mercury	mg/kg	350	0.11 U	**0.076 J**	**0.01 J**	**0.21**	**0.043 J**	**0.029 J**	**0.063 J**	**0.052 J**
Nickel	mg/kg	22,000	**10**	**43.3**	**12.5**	**13.8**	**14.1**	**11.7**	**45.6**	**30.5**
Selenium	mg/kg	5,800	3.9 U	3.9 U	4.2 U	3.8 U	4.5 U	2.6 B	4.2 U	3.6 U
Silver	mg/kg	5,800	2.9 U	3 U	**1.5 J**	**5.9**	3.3 U	2.9 U	3.1 U	2.7 U
Thallium	mg/kg	12	9.8 U	9.9 U	10.6 U	9.4 U	11.1 U	9.6 U	10.4 U	8.9 U
Vanadium	mg/kg	5,800	**256**	**2,270**	**482**	**490**	**33.5**	**81.6**	**1,730**	**1,690**
Zinc	mg/kg	350,000	**57.8**	**192**	**254**	**149**	**47**	**206**	**766**	**1,280**
Other										
Cyanide	mg/kg	150	0.18 B	**1.4**	0.25 B	0.63 B	0.13 B	0.69 B	0.64 B	0.49 B

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-158-SB-10*	B22-159-SB-1	B22-160-SB-1	B22-161-SB-1	B22-161-SB-4.5	B22-162-SB-1*	B22-162-SB-5*	B22-163-SB-1*	B22-163-SB-5*
Metal											
Aluminum	mg/kg	1,100,000	**9,030**	**16,000**	**29,000**	**14,400**	**23,000**	**10,800**	**14,200**	**18,800**	**15,600**
Antimony	mg/kg	470	2.5 U	3 UJ	2.8 UJ	2.7 UJ	2.8 UJ	3 U	2.8 U	3.1 U	2.8 U
Arsenic	mg/kg	3	**4.9**	**11.7**	2.3 U	**6**	**5**	**8.7**	**3.9**	**4.2**	**7.8**
Barium	mg/kg	220,000	**110**	**116 J+**	**349**	**182**	**369**	**106**	**33.2**	**62.7**	**71.7**
Beryllium	mg/kg	2,300	**0.22 J**	**0.19 J**	**3.3**	0.89 U	**1.4**	**0.6 J**	**1.4**	**0.5 J**	**0.53 J**
Cadmium	mg/kg	980	1.5 B	**0.68 J**	0.3 B	1.5 B	**1.8**	**0.59 J**	1.4 U	**0.2 J**	**0.18 J**
Chromium	mg/kg	120,000	**1,300**	**2,360**	**24.2**	**1,730**	**118**	**45**	**14.5**	**25.2**	**27.1**
Chromium VI	mg/kg	6.3	N/A	0.7 B	0.86 B	1.1 B	1.1 B	0.58 B	**0.53 J**	0.43 B	0.45 B
Cobalt	mg/kg	350	**7.1**	**8.5**	**1.3 J**	**4.5**	**14.4**	**16.9**	**3.8 J**	**4.4 J**	**7.8**
Copper	mg/kg	47,000	**67.8**	**56.2**	**21.7**	**72**	**397**	**4,400**	**5.5**	**317**	**2,090**
Iron	mg/kg	820,000	**147,000**	**176,000 J**	**8,910 J**	**78,700 J**	**65,800 J**	**162,000**	**17,200**	**23,100**	**51,500**
Lead	mg/kg	800	**86.5**	**23.3**	**24**	**189**	**277**	**538**	**15.3**	**30.6**	**174**
Manganese	mg/kg	26,000	**51,000**	**59,500 J-**	**5,790 J**	**36,500 J**	**4,370 J**	**738**	**26.6**	**199**	**316**
Mercury	mg/kg	350	N/A	**0.0055 J-**	0.12 U	**0.057 J**	**0.25**	**0.08 J**	**0.003 J**	**0.11 J**	**0.024 J**
Nickel	mg/kg	22,000	**19.8**	**12.5**	**2 J**	**16.5**	**32.3**	**31.8**	**7.6 J**	**11.7**	**20.2**
Selenium	mg/kg	5,800	3.3 U	4 U	3.7 U	3.5 U	3.8 U	4 U	3.8 U	4.1 U	3.8 U
Silver	mg/kg	5,800	2.5 U	3 U	2.8 U	2.7 U	2.8 U	**2.1 J**	2.8 U	3.1 U	2.8 U
Thallium	mg/kg	12	8.2 U	10.1 U	9.3 U	**11**	9.4 U	10 U	9.4 U	10.2 U	9.5 U
Vanadium	mg/kg	5,800	**2,730**	**2,380**	**23.9**	**6,800**	**915**	**45.1**	**31.2**	**38.7**	**46.1**
Zinc	mg/kg	350,000	**386**	**203**	**50.3 J**	**361 J**	**816 J**	**148**	**14.9**	**41.4**	**77.5**
Other											
Cyanide	mg/kg	150	N/A	0.39 B	**1.1**	**0.16 J**	**0.34 J**	**0.66 J**	0.74 U	0.59 U	0.6 U

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-164-SB-1*	B22-164-SB-6*	B22-165-SB-1*	B22-165-SB-4*	B22-166-SB-1	B22-166-SB-4	B22-167-SB-1*	B22-167-SB-5*	B22-167-SB-10
Metal											
Aluminum	mg/kg	1,100,000	**23,800**	**14,300**	**20,000**	**18,600**	**13,500**	**14,500**	**29,400**	**14,500**	N/A
Antimony	mg/kg	470	2.8 U	3 U	3 U	2.6 U	2.6 UJ	3.2 UJ	2.9 U	2.9 U	N/A
Arsenic	mg/kg	3	**3.2**	**6**	**4.3**	**5.5**	**10.7**	**11.3**	**3.8**	2.5 U	**12.3**
Barium	mg/kg	220,000	**185**	**147**	**50.2**	**57.6**	**223 J+**	**181 J+**	**568**	**48.3**	N/A
Beryllium	mg/kg	2,300	**2.3**	**1.7**	**0.52 J**	**1.4**	**0.2 J**	**0.36 J**	**3.2**	**0.82 J**	N/A
Cadmium	mg/kg	980	**0.24 J**	1.5 U	1.5 U	1.3 U	**1.5**	**3.1**	**0.28 J**	1.5 U	N/A
Chromium	mg/kg	120,000	**22.1**	**27**	**31.9**	**34.8**	**2,020**	**1,690**	**377**	**18**	N/A
Chromium VI	mg/kg	6.3	0.38 B	0.38 B	0.79 B	0.45 B	**1.2 J-**	**1.6 J-**	0.3 B	0.7 B	N/A
Cobalt	mg/kg	350	**5.8**	**10.9**	**5**	**9.3**	**7.6**	**4.8 J**	**3.6 J**	**2.5 J**	N/A
Copper	mg/kg	47,000	**21.2**	**10**	**10.6**	**22.7**	**87.6**	**77.4**	**20**	**7.8**	N/A
Iron	mg/kg	820,000	**11,900**	**19,700**	**17,300**	**35,700**	**147,000 J**	**149,000 J**	**49,400**	**6,980**	N/A
Lead	mg/kg	800	**18.9**	**12.1**	**7.6**	**13.2**	**72.1**	**138**	**4.1**	**5.6**	N/A
Manganese	mg/kg	26,000	**1,270**	**97.5**	**49.2**	**119**	**47,600 J-**	**48,600 J-**	**25,600**	**367**	**65.2**
Mercury	mg/kg	350	**0.0089 J**	**0.0024 J**	**0.03 J**	**0.012 J**	**0.027 J-**	**0.026 J-**	0.11 U	**0.0024 J**	N/A
Nickel	mg/kg	22,000	**11.3**	**17.8**	**12.2**	**21.5**	**40.1**	**30.7**	**9.1 J**	**6.7 J**	N/A
Selenium	mg/kg	5,800	3.8 U	4 U	4 U	3.5 U	3.5 U	4.3 U	3.8 B	3.9 U	N/A
Silver	mg/kg	5,800	2.8 U	3 U	3 U	2.6 U	2.6 U	3.2 U	2.9 U	2.9 U	N/A
Thallium	mg/kg	12	9.4 U	10.1 U	10.1 U	8.8 U	8.8 U	10.7 U	9.7 U	9.8 U	N/A
Vanadium	mg/kg	5,800	**38.6**	**47.4**	**38.3**	**44.9**	**9,940**	**2,450**	**317**	**16.5**	N/A
Zinc	mg/kg	350,000	**40.4**	**42.4**	**41.6**	**49.8**	**314**	**744**	**6.7**	**15.9**	N/A
Other											
Cyanide	mg/kg	150	**0.29 J**	**0.22 J**	0.75 U	**0.081 J**	0.48 B	0.55 B	0.24 B	0.22 B	N/A

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Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-168-SB-1	B22-168-SB-4	B22-169-SB-1	B22-169-SB-4	B22-170-SB-1	B22-170-SB-4	B22-171-SB-1	B22-171-SB-5	B22-171-SB-10
Metal											
Aluminum	mg/kg	1,100,000	**12,400**	**14,400**	**41,800**	**11,900**	**29,000**	**16,200**	**9,800**	**14,500**	N/A
Antimony	mg/kg	470	2.8 UJ	2.7 UJ	2.8 UJ	3 UJ	2.8 UJ	2.7 UJ	2.8 UJ	4 UJ	N/A
Arsenic	mg/kg	3	**2.3 J**	2.2 U	2.3 U	**2.3 J**	**3.9**	**12.2**	**6.5**	**14**	**3.5**
Barium	mg/kg	220,000	**43.9 J**	**123 J**	**1,050 J**	**39.7 J**	**485**	**71.4**	**54.6 J**	**165 J**	N/A
Beryllium	mg/kg	2,300	**0.47 J**	**0.55 J**	**2.5**	**0.43 J**	**3**	**0.98**	0.93 U	**1.4**	N/A
Cadmium	mg/kg	980	1.4 U	1.3 U	**0.4 J**	1.5 U	**0.53 J**	1.4 U	0.31 B	0.51 B	N/A
Chromium	mg/kg	120,000	**14.9**	**25.3**	**34.2**	**15.2**	**188 J**	**63.5 J**	**1,480**	**45.3**	N/A
Chromium VI	mg/kg	6.3	0.75 B	0.63 B	0.41 B	0.81 B	0.4 B	0.35 B	**11.4**	0.53 B	N/A
Cobalt	mg/kg	350	**2.8 J**	**4.8**	**2.7 J**	**4.5 J**	**3.9 J**	**5.4**	**1.9 J**	**16.8**	N/A
Copper	mg/kg	47,000	**5.2 J**	**6.7 J**	**25.8 J**	**8.1 J**	**40.9**	**50.5**	**21.2**	**69.4**	N/A
Iron	mg/kg	820,000	**6,360**	**13,100**	**12,600**	**10,900**	**29,700 J**	**37,000 J**	**203,000 J**	**31,000 J**	N/A
Lead	mg/kg	800	**9.1 J**	**13.7 J**	**76.4 J**	**7.5 J**	**47.2 J**	**32.8 J**	2.3 U	**23.3**	N/A
Manganese	mg/kg	26,000	**174 J**	**112 J**	**2,130 J**	**77.2 J**	**6,450 J**	**984 J**	**35,900**	**1,030**	N/A
Mercury	mg/kg	350	**0.0082 J**	0.12 U	0.11 U	**0.015 J**	0.1 R	**0.058 J-**	0.1 U	**0.0099 J**	N/A
Nickel	mg/kg	22,000	**7.3 J**	**9.7**	**5.5 J**	**8.8 J**	**13.2 J**	**14.5 J**	**26**	**55.8**	N/A
Selenium	mg/kg	5,800	3.7 U	3.6 U	**4.5**	4 U	**3.3 J**	3.6 U	3.7 U	5.4 U	N/A
Silver	mg/kg	5,800	2.8 U	2.7 U	2.8 U	3 U	2.8 U	2.7 U	**3.5**	4 U	N/A
Thallium	mg/kg	12	9.2 U	8.9 U	9.3 U	10 U	9.3 UJ	9.1 UJ	9.3 U	10.8 U	N/A
Vanadium	mg/kg	5,800	**91.9**	**26.8**	**162**	**26.2**	**175 J**	**223 J**	**979**	**34.4**	N/A
Zinc	mg/kg	350,000	**20.9 J**	**35.6 J**	**60 J**	**37.4 J**	**116 J**	**104 J**	**31.3**	**96.7**	N/A
Other											
Cyanide	mg/kg	150	**0.74**	0.74 U	**0.79**	0.81 U	**0.5 J**	**0.65 J**	**0.091 J**	**1.2**	N/A

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Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-172-SB-1	B22-172-SB-5	B22-173-SB-1	B22-173-SB-4	B22-174-SB-1*	B22-174-SB-4*	B22-175-SB-1*	B22-175-SB-4*	B22-176-SB-1*
Metal											
Aluminum	mg/kg	1,100,000	**14,500**	**16,700**	**19,200**	**20,800**	**19,900**	**25,700**	**31,500**	**32,400**	**37,900**
Antimony	mg/kg	470	3.2 UJ	3 UJ	2.6 UJ	3 UJ	2.6 U	2.8 U	2.6 U	2.4 U	2.3 U
Arsenic	mg/kg	3	**5.9**	**3.9**	**5.6**	**3.4**	**6.5**	**9.8**	**2.1 J**	**5.8**	**4.4**
Barium	mg/kg	220,000	**70.2**	**58.3**	**177 J**	**431 J**	**227**	**386**	**912**	**1,290**	**418**
Beryllium	mg/kg	2,300	**0.37 J**	**0.31 J**	**1.3**	**1.1**	**2.8**	**2.7**	**1.7**	**2.1**	**5.9**
Cadmium	mg/kg	980	1.6 U	1.5 U	**0.42 J**	**0.36 J**	**1.3**	**1.8**	1.4 B	1.3 B	**2.1**
Chromium	mg/kg	120,000	**19.2**	**18.3**	**677 J**	**23.2 J**	**565**	**463**	**327**	**52.6**	**39.2**
Chromium VI	mg/kg	6.3	0.32 B	0.29 B	0.84 B	0.44 B	0.6 B	0.63 B	**0.28 J**	**0.35 J**	0.39 B
Cobalt	mg/kg	350	**2.8 J**	**3 J**	**4.7**	**5.1**	**4.9**	**19.9**	**5.4**	**9.1**	**3.3 J**
Copper	mg/kg	47,000	**6.7**	**8.2**	**48.8**	**33.3**	**112**	**174**	**65.9**	**45.4**	**72.8**
Iron	mg/kg	820,000	**15,300 J**	**15,700 J**	**225,000 J**	**22,400 J**	**102,000**	**178,000**	**53,700**	**21,700**	**20,500**
Lead	mg/kg	800	**8.1**	**12.3**	**21.8**	**40**	**300**	**195**	**192**	**3,340**	**126**
Manganese	mg/kg	26,000	**356**	**31.3**	**20,600**	**1,600**	**12,500**	**11,600**	**12,500**	**1,170**	**3,310**
Mercury	mg/kg	350	**0.025 J**	**0.018 J**	**0.009 J**	**0.12 J**	**0.02 J**	**0.012 J**	**0.24**	0.1 U	0.1 U
Nickel	mg/kg	22,000	**5.9 J**	**7.3 J**	**31.1**	**13.6**	**31.6**	**58.6**	**25.3**	**38.2**	**12.1**
Selenium	mg/kg	5,800	4.3 U	4 U	3.5 U	4 U	3.5 U	3.8 U	3.5 U	3.1 B	2.3 B
Silver	mg/kg	5,800	3.2 U	3 U	**3.3**	3 U	2.6 U	2.8 U	**0.64 J**	2.4 U	2.3 U
Thallium	mg/kg	12	10.8 U	10 U	8.8 U	10 U	8.8 U	9.4 U	**17.3**	8.1 U	7.8 U
Vanadium	mg/kg	5,800	**30.8**	**25.3**	**413 J**	**40.2 J**	**346**	**1,080**	**2,000**	**172**	**110**
Zinc	mg/kg	350,000	**20.2**	**21.8**	**72.5 J**	**121 J**	**1,030**	**668**	**413**	**599**	**121**
Other											
Cyanide	mg/kg	150	**0.8 J-**	**2 J-**	**0.18 J**	**1.1**	**0.082 J**	**1**	**1.2**	**3.7**	**0.27 J**

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
J+: The positive result for this analyte is a quantitative estimate but may be biased high.
J-: The positive result for this analyte is a quantitative estimate but may be biased low.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

Table 6 - Parcel B22
Summary of Inorganics Detected in Soil

Parameter	Units	PAL	B22-176-SB-8*	B22-177-SB-1*	B22-177-SB-5*	B22-178-SB-1*	B22-178-SB-6*	B22-179-SB-1*	B22-179-SB-6*
Metal									
Aluminum	mg/kg	1,100,000	**33,600**	**36,900**	**15,800**	**22,800**	**24,100**	**55,100**	**18,100**
Antimony	mg/kg	470	**5.7**	2.4 U	2.7 U	2.5 U	2.5 U	2.5 U	2.7 U
Arsenic	mg/kg	3	**7.2**	**2.3**	**5.5**	**10.3**	**7.5**	**2 J**	**3.6**
Barium	mg/kg	220,000	**918**	**513**	**62.3**	**262**	**279**	**463**	**82**
Beryllium	mg/kg	2,300	**4.6**	**4.3**	**0.65 J**	**3**	**3.4**	**8.1**	**0.65 J**
Cadmium	mg/kg	980	**12.8**	**0.57 J**	**0.16 J**	**1.4**	**1.1 J**	**0.32 J**	**0.19 J**
Chromium	mg/kg	120,000	**85.2**	**432**	**25.9**	**784**	**671**	**17.5**	**25.2**
Chromium VI	mg/kg	6.3	0.5 B	0.43 B	0.43 B	0.46 B	0.41 B	0.36 B	0.38 B
Cobalt	mg/kg	350	**5.8**	**2 J**	**6.1**	**6.6**	**6.6**	**0.34 J**	**6.7**
Copper	mg/kg	47,000	**905**	**28.8**	**315**	**74.4**	**65.9**	**4.8**	**13**
Iron	mg/kg	820,000	**46,800**	**75,900**	**21,100**	**150,000**	**132,000**	**26,200**	**18,100**
Lead	mg/kg	800	**687**	**61.8**	**27.9**	**136**	**120**	**5.8**	**23.8**
Manganese	mg/kg	26,000	**5,610**	**15,400**	**174**	**27,300**	**23,300**	**2,420**	**142**
Mercury	mg/kg	350	**0.0038 J**	0.1 U	**0.024 J**	**0.033 J**	**0.031 J**	0.11 U	**0.027 J**
Nickel	mg/kg	22,000	**28.6**	**23.3**	**13.3**	**56.7**	**33.5**	**2.3 J**	**14.2**
Selenium	mg/kg	5,800	3.4 U	3.1 U	3.6 U	3.3 U	3.3 U	6.8 B	3.6 U
Silver	mg/kg	5,800	2.5 U	2.4 U	2.7 U	2.5 U	2.5 U	2.5 U	2.7 U
Thallium	mg/kg	12	8.4 U	**4.3 J**	9.1 U	8.3 U	8.2 U	8.2 U	9 U
Vanadium	mg/kg	5,800	**139**	**346**	**39.7**	**1,250**	**1,310**	**22**	**37.4**
Zinc	mg/kg	350,000	**908**	**56.8**	**61.2**	**497**	**340**	**7.3**	**58.1**
Other									
Cyanide	mg/kg	150	**0.34 J**	**0.56 J**	0.7 U	**0.58**	**0.35 J**	**0.21 J**	0.59 U

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)
N/A indicates that the parameter was not analyzed for this sample
* indicates non-validated data

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
UJ: This analyte was not detected in the sample. The actual quantitation/detection limit may be higher than reported.
J: The positive result for this analyte is a quantitative estimate.
J+: The positive result for this analyte is a quantitative estimate but may be biased high.
J-: The positive result for this analyte is a quantitative estimate but may be biased low.
B: The analyte was not detected substantially above the level of the associated method blank or field blank.
R: The result for this analyte is unreliable. Additional data is needed to confirm or disprove the presence of this analyte in the sample.

TABLE 7
SUMMARY OF SOIL PAL EXCEEDANCES

Parameter	CAS#	Frequency of Detections (%)	Sample ID of Max Result	Unit	PAL Solid	Max Result
1,1-Dichloroethane	75-34-3	7	B22-070-SB-1	mg/kg	16	44.7
Aroclor 1242	53469-21-9	11	B22-140-SB-1	mg/kg	0.97	6.64
Aroclor 1248	12672-29-6	14	B22-065-SB-1	mg/kg	0.94	50.9
Aroclor 1254	11097-69-1	26	B22-037-SB-1	mg/kg	0.97	7.93
Aroclor 1260	11096-82-5	4	B22-042-SB-1	mg/kg	0.99	21.1
Arsenic	7440-38-2	88	B22-074-SB-1	mg/kg	3	672*
Benz[a]anthracene	56-55-3	86	B22-061-SB-1	mg/kg	21	82.3
Benzo[a]pyrene	50-32-8	85	B22-119-SB-10	mg/kg	2.1	84.9
Benzo[b]fluoranthene	205-99-2	92	B22-061-SB-1	mg/kg	21	106
Chromium VI	18540-29-9	12	B22-026-SB-1	mg/kg	6.3	29.5
Dibenz[a,h]anthracene	53-70-3	74	B22-061-SB-1	mg/kg	2.1	9.6
Diesel Range Organics	DRO	96	B22-162-SB-1	mg/kg	6,200	39,100
Indeno[1,2,3-c,d]pyrene	193-39-5	81	B22-061-SB-1	mg/kg	21	26
Lead	7439-92-1	95	B22-026-SB-1	mg/kg	800	6,870
Manganese	7439-96-5	100	B22-041-SB-1	mg/kg	26,000	71,600
Naphthalene	91-20-3	64	B22-119-SB-10	mg/kg	17	2,040
PCBs (total)	1336-36-3	67	B22-028-SB-1	mg/kg	0.97	74.4
Thallium	7440-28-0	3	B22-175-SB-1	mg/kg	12	17.3
Vanadium	7440-62-2	100	B22-166-SB-1	mg/kg	5,800	9,940

*B22-074-SB-1 was resampled and arsenic was not detected. The next highest sample was at B22-020-SB-4 (110 mg/kg).

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
Former 1991 PCB Spill Area	B22-001-SB	1	Arsenic	3	9.3	
		4	Arsenic	3	17.6	
	B22-002-SB	1	Arsenic	3	11.6	
		7	Arsenic	3	7.6	
Former PCB Spill Area (Sheet Mill)	B22-003-SB	1	Arsenic	3	4.3	
		4	Arsenic	3	5.7	
	B22-004-SB	1	Arsenic	3	3.8	
Truck Dock #9's Former Diesel Spill and Diesel Fuel UST Area	B22-005-SB	1	Arsenic	3	4.7	
			PCBs (total)	0.97	2.96	
		4	Arsenic	3	10.1	
			Benzo[a]pyrene	2.1	2.1	
			Thallium	12	15.4	
		10	Arsenic	3	4.8	
	B22-006-SB	1	Arsenic	3	3	
			Benzo[a]pyrene	2.1	2.1	
			PCBs (total)	0.97	0.991	
		7	Arsenic	3	3.8	
Former Chromic Acid Spill Area	B22-008-SB	4	Manganese	26,000	26,700	J
Former Diesel Fuel UST (Cold Sheet Mill)	B22-010-SB	1	Arsenic	3	6.9	
			Benzo[a]pyrene	2.1	2.4	
		4	Arsenic	3	11.2	
Former Spent Pickle Liquor Tanks	B22-011-SB	1	Arsenic	3	7.7	
		4	Arsenic	3	3.4	
			Manganese	26,000	32,000	
	B22-012-SB	1	Arsenic	3	6	
			Benzo[a]pyrene	2.1	2.6	
		4	Arsenic	3	7.6	
Drip Legs	B22-013-SB	1	Arsenic	3	3.7	
			Benzo[a]pyrene	2.1	7.7	
			PCBs (total)	0.97	1.949	
	B22-014-SB	1	Arsenic	3	5.4	
		5	Arsenic	3	4.3	
		10	Arsenic	3	8.2	
	B22-015-SB	1	Arsenic	3	5.5	
		4	Arsenic	3	6.8	

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
Drip Legs (Continued)	B22-016-SB	1	Arsenic	3	7.5	
		5	Arsenic	3	7.6	
	B22-017-SB	1	Arsenic	3	4.1	
		6	Arsenic	3	5.4	
		10	Arsenic	3	5	
	B22-018-SB	1	Arsenic	3	3.6	
		6	Arsenic	3	19.2	
		10	Arsenic	3	8.4	
	B22-019-SB	1	Aroclor 1242	0.97	2.64	
			PCBs (total)	0.97	2.64	
		6	Arsenic	3	25.3	
		10	Arsenic	3	7.2	
	B22-020-SB	1	Arsenic	3	5.9	
		4	Arsenic	3	110	
		10	Arsenic	3	14	
	B22-021-SB	1	Arsenic	3	6.4	
	B22-023-SB	1	Arsenic	3	21.4	
		9	Arsenic	3	10.5	
			Benzo[a]pyrene	2.1	3.5	
	B22-024-SB	1	Arsenic	3	5.9	
		4	Arsenic	3	15.2	
	B22-025-SB	4	Arsenic	3	3.8	
	B22-026-SB	1	Arsenic	3	16.3	
			Chromium VI	6.3	29.5	
			Lead	800	6,870	
		9	Arsenic	3	11.7	
	B22-028-SB	1	Arsenic	3	3	
			Lead	800	816	
			PCBs (total)	0.97	74.4	
	B22-029-SB	6	Arsenic	3	3.1	
	B22-030-SB	1	Arsenic	3	6.7	
		5	Arsenic	3	5.9	

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
Drip Legs (Continued)	B22-031-SB	1	Arsenic	3	11.4	
			Manganese	26,000	51,900	
		4	Arsenic	3	9.8	
		10	Arsenic	3	22.8	
	B22-032-SB	1	Aroclor 1248	0.94	14.9	
			Arsenic	3	8.7	
			Manganese	26,000	46,600	
			PCBs (total)	0.97	14.9	
		4	Arsenic	3	3.8	
		10	Arsenic	3	5.3	
	B22-033-SB	1	Arsenic	3	4.8	
			Chromium VI	6.3	12.5	
			Manganese	26,000	29,400	
	B22-034-SB	1	Arsenic	3	3.7	
			Chromium VI	6.3	10.8	
			Manganese	26,000	27,500	
	B22-035-SB	1	Arsenic	3	5.9	
	B22-036-SB	1	Arsenic	3	4.4	
			Manganese	26,000	27,000	J
		4	Arsenic	3	3.1	
			Manganese	26,000	31,500	J
	B22-037-SB	1	Aroclor 1254	0.97	7.93	
			Arsenic	3	4.2	
			PCBs (total)	0.97	7.93	
	B22-038-SB	1	Arsenic	3	11.3	
			PCBs (total)	0.97	0.99	
	B22-039-SB	1	Aroclor 1248	0.94	4.87	
			Arsenic	3	4.4	
			PCBs (total)	0.97	5.159	
	B22-039A-SB	3	Arsenic	3	4.8	
	B22-040-SB	1	PCBs (total)	0.97	1.458	

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
Electric Sub-Stations	B22-041-SB	1	Arsenic	3	9.5	
			Manganese	26,000	71,600	
		5	Arsenic	3	4.9	
		10	Arsenic	3	5.3	
	B22-042-SB	1	Aroclor 1248	0.94	3.06	
			Aroclor 1260	0.99	21.1	
			Arsenic	3	3.9	
			PCBs (total)	0.97	24.16	
		4	Arsenic	3	4.8	
		10	Arsenic	3	20.1	
	B22-043-SB	1	Arsenic	3	15.3	
		4	Benzo[a]pyrene	2.1	2.4	
	B22-044-SB	1	Arsenic	3	3.4	
	B22-045-SB	1	Aroclor 1248	0.94	3.68	
			Aroclor 1254	0.97	1.63	
			Arsenic	3	12	
			PCBs (total)	0.97	9.43	
	B22-046-SB	1	Arsenic	3	4.9	
			Manganese	26,000	52,300	J
		4	Arsenic	3	6.7	
	B22-047-SB	1	Aroclor 1254	0.97	2.17	
			Arsenic	3	14.2	
			Chromium VI	6.3	17	
			Lead	800	6,600	
			PCBs (total)	0.97	13.37	
		5	Arsenic	3	6.7	
		10	Arsenic	3	5	
	B22-048-SB	1	Arsenic	3	6.3	
			Manganese	26,000	27,800	
		5	Arsenic	3	5.2	
		10	Arsenic	3	9.8	
Electric Transformer	B22-049-SB	1	PCBs (total)	0.97	1.03	
	B22-050-SB	1	Arsenic	3	5.9	
			PCBs (total)	0.97	1.7124	
		4.5	Arsenic	3	3.7	

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
Fuel Department	B22-051-SB	1	Arsenic	3	14	
	B22-052-SB	8	Arsenic	3	3.6	
Fuel Station (Tractor)	B22-053-SB	1	Arsenic	3	19.1	
			Lead	800	1,500	
			PCBs (total)	0.97	7.32	
		8	Arsenic	3	5.9	
		10	Arsenic	3	9.7	
	B22-054-SB	4	Arsenic	3	3.3	
		10	Arsenic	3	10.6	
Grease Trap	B22-055-SB	1	Arsenic	3	18.9	
		8.5	Arsenic	3	5.9	
Lube Oil Rooms/Shops	B22-058-SB	7	Arsenic	3	22.3	
		10	Arsenic	3	4.4	
	B22-059-SB	1	Arsenic	3	13.1	
			Lead	800	1,230	
		4	Arsenic	3	18.6	
			Lead	800	976	
	B22-060-SB	4	Arsenic	3	8.7	
			Manganese	26,000	43,800	
Oil Houses	B22-061-SB	1	Arsenic	3	11.1	
			Benz[a]anthracene	21	82.3	
			Benzo[a]pyrene	2.1	72	
			Benzo[b]fluoranthene	21	106	
			Dibenz[a,h]anthracene	2.1	9.6	
			Indeno[1,2,3-c,d]pyrene	21	26	
		5	Arsenic	3	5.8	
	B22-062-SB	1	Arsenic	3	3.5	
		4	Arsenic	3	4.9	
			Manganese	26,000	29,400	
	B22-063-SB	1	Arsenic	3	8.3	
			Chromium VI	6.3	7.2	J-
			PCBs (total)	0.97	10.879	
		9	Arsenic	3	3.8	

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
Oil Houses (Continued)	B22-065-SB	1	Aroclor 1248	0.94	50.9	
			PCBs (total)	0.97	61	
	B22-066-SB	1	Arsenic	3	6.4	
	B22-067-SB	7	Arsenic	3	5.2	
		10	Arsenic	3	5	
	B22-068-SB	1	Arsenic	3	3.3	
			PCBs (total)	0.97	1.258	
	B22-069-SB	4	Arsenic	3	7.5	
		10	Arsenic	3	39.8	
	B22-070-SB	1	1,1-Dichloroethane	16	44.7	
			Aroclor 1254	0.97	3.65	
			Arsenic	3	4.3	
			Diesel Range Organics	6,200	6,620	
			PCBs (total)	0.97	7.36	
	B22-071-SB	1	Arsenic	3	4.8	
		4	Arsenic	3	6.6	
			Manganese	26,000	40,800	
	B22-072-SB	1	Arsenic	3	6.6	
			Benzo[a]pyrene	2.1	13.7	
			Benzo[b]fluoranthene	21	25.3	
Mech. Maintenance Shop	B22-073-SB	1	Arsenic	3	13.4	
			Benzo[a]pyrene	2.1	5.1	
		5	Arsenic	3	14.3	
	B22-074-SB	1	Arsenic	3	672	

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
Possible PCB-Contaminated Areas	B22-075-SB	1	Arsenic	3	3.7	
		4	Arsenic	3	10.8	
	B22-077-SB	1	Arsenic	3	3.9	
		5	Arsenic	3	3	
	B22-078-SB	1	Arsenic	3	8.3	
		7.5	Arsenic	3	7.3	
	B22-079-SB	1	Arsenic	3	7.1	
	B22-080-SB	1	Arsenic	3	7.1	
			Benz[a]anthracene	21	44.2	
			Benzo[a]pyrene	2.1	35.3	
			Benzo[b]fluoranthene	21	69.8	
			Dibenz[a,h]anthracene	2.1	2.7	
		5	Arsenic	3	18.9	
	B22-081-SB	1	Arsenic	3	4.5	
		4	Arsenic	3	6.2	
		10	Arsenic	3	8.5	
	B22-082-SB	1	Arsenic	3	11.7	
	B22-083-SB	4	Arsenic	3	3	
	B22-084-SB	1	Arsenic	3	10.6	
			Benz[a]anthracene	21	34.6	
			Benzo[a]pyrene	2.1	24.5	
			Benzo[b]fluoranthene	21	50.3	
			Dibenz[a,h]anthracene	2.1	4.8	
	B22-085-SB	1	Arsenic	3	5.8	
			Benz[a]anthracene	21	30.1	
			Benzo[a]pyrene	2.1	23.7	
			Benzo[b]fluoranthene	21	48.8	
			Dibenz[a,h]anthracene	2.1	3.2	
	B22-086-SB	1	Arsenic	3	4	
		5	Arsenic	3	6.3	
		10	Arsenic	3	23.8	
	B22-087-SB	1	Arsenic	3	5.2	
		5	Arsenic	3	4.5	

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
Possible PCB-Contaminated Areas (Continued)	B22-088-SB	1	Arsenic	3	28.7	
			Manganese	26,000	46,000	
		6	Arsenic	3	10.8	
			Benzo[a]pyrene	2.1	3.1	
			Manganese	26,000	31,800	
	B22-089-SB	1	Arsenic	3	3.9	
	B22-090-SB	5	Arsenic	3	5	
	B22-091-SB	1	Arsenic	3	15.4	
		4	Arsenic	3	5.7	
	B22-092-SB	1	PCBs (total)	0.97	3.18	
	B22-093-SB	1	Arsenic	3	7.6	
		5	Arsenic	3	6.6	
		10	Arsenic	3	21.7	
	B22-094-SB	1	Aroclor 1254	0.97	1.01	
			PCBs (total)	0.97	7.69	
		4	Arsenic	3	6.6	
	B22-095-SB	1	Arsenic	3	8.6	
		6	Arsenic	3	3.9	
	B22-096-SB	1	Arsenic	3	4.1	
		9	Arsenic	3	4.1	
		10	Arsenic	3	7.8	
	B22-097-SB	1	Arsenic	3	8.1	
		9	Arsenic	3	20.9	
		9	Lead	800	1,960	
	B22-098-SB	1	Arsenic	3	8.8	
		4	Arsenic	3	11.6	
			Lead	800	1,790	
		10	Arsenic	3	6.7	

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
Possible PCB-Contaminated Areas (Continued)	B22-175-SB	1	Aroclor 1254	0.97	1.22	
			Benzo[a]pyrene	2.1	11.1	
			Benzo[b]fluoranthene	21	21.6	
			Dibenz[a,h]anthracene	2.1	2.2	
			PCBs (total)	0.97	1.22	
			Thallium	12	17.3	
		4	Arsenic	3	5.8	
			Benzo[a]pyrene	2.1	14.9	
			Benzo[b]fluoranthene	21	31.1	
			Dibenz[a,h]anthracene	2.1	3	
			Lead	800	3,340	
Fuel/Gas Pump Houses	B22-099-SB	1	Arsenic	3	16.7	
		7	Arsenic	3	5.5	
		9.5	Arsenic	3	16	
	B22-100-SB	1	Arsenic	3	9.1	
		6	Manganese	26,000	29,100	
	B22-101-SB	1	Arsenic	3	7.5	
		5	Arsenic	3	3.6	
	B22-102-SB	1	Arsenic	3	7.7	
		5	Arsenic	3	4.7	
	B22-176-SB	1	Arsenic	3	4.4	
		8	Arsenic	3	7.2	
			Benzo[a]pyrene	2.1	2.2	
Coating Lines Blind Sumps	B22-103-SB	1	Arsenic	3	6.9	
		4	Arsenic	3	3.3	
	B22-104-SB	1	Arsenic	3	6.1	
		4	Arsenic	3	9.4	
	B22-105-SB	1	Arsenic	3	4.2	
		4	Arsenic	3	4	
		10	Arsenic	3	7.7	

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
Cold Sheet Mill Piping	B22-106-SB	1	Arsenic	3	3	
		8.5	Arsenic	3	4.3	
	B22-107-SB	1	Arsenic	3	9	
			Lead	800	4,070	
		5	Arsenic	3	4.4	
		10	Arsenic	3	7.3	
	B22-108-SB	1	Arsenic	3	5.1	
		5	Arsenic	3	6.2	
Tandem Mill Trench System	B22-109-SB	1	Arsenic	3	4.5	
		4.5	Arsenic	3	3.2	
	B22-110-SB	1	Aroclor 1248	0.94	1.12	
			Arsenic	3	5.2	
			Lead	800	1,270	
			PCBs (total)	0.97	2.657	
		4	Arsenic	3	33.5	
			Lead	800	997	
	B22-111-SB	1	Arsenic	3	5.6	
		8	Arsenic	3	3.2	
PORI Oil/Water Separator	B22-112-SB	4	Arsenic	3	4.2	
		10	Arsenic	3	6	
	B22-113-SB	1	Chromium VI	6.3	8.5	
		4	Arsenic	3	6.8	
	B22-114-SB	8	Arsenic	3	13.3	
		10	Arsenic	3	5.6	

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
PORI Holding Tank	B22-115-SB	1	Arsenic	3	8.8	
			Manganese	26,000	31,600	J-
		8.5	Arsenic	3	13.3	
	B22-116-SB	1	Arsenic	3	6.3	
			Manganese	26,000	27,200	
		8.5	Arsenic	3	3.4	
			Lead	800	2,850	
	B22-117-SB	1	Arsenic	3	9.9	
		4	Arsenic	3	10.4	
			Benzo[a]pyrene	2.1	10.7	
			Dibenz[a,h]anthracene	2.1	2.1	
		10	Arsenic	3	8.4	
	B22-118-SB	1	Arsenic	3	8.4	
		9	Arsenic	3	4.3	
			Manganese	26,000	41,400	
		10	Arsenic	3	4.3	
			Manganese	26,000	45,400	
PORI Lagoon	B22-119-SB	9	Arsenic	3	4.1	
			Naphthalene	17	32.8	
		10	Arsenic	3	6.2	
			Benzo[a]pyrene	2.1	84.9	
			Naphthalene	17	2,040	
	B22-120-SB	1	Arsenic	3	23.9	
		8	Arsenic	3	3.2	
	B22-121-SB	1	Arsenic	3	11	
		9	Arsenic	3	10.2	
		10	Arsenic	3	20.5	
	B22-174-SB	1	Aroclor 1254	0.97	6.63	
			Aroclor 1260	0.99	2.72	
			Arsenic	3	6.5	
			PCBs (total)	0.97	9.35	
		4	Arsenic	3	9.8	
Acid Tanks and Tin Mill Sump (Acid Area Monitoring)	B22-122-SB	1	Arsenic	3	14.5	
	B22-124-SB	1	Arsenic	3	3.2	
			PCBs (total)	0.97	13	
		4	Arsenic	3	12.4	

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
Spent Pickle Liquor Tanks and Spent Pickel Liquor Sump/Trench System	B22-125-SB	1	Arsenic	3	6.2	
		4	Arsenic	3	6.5	
		10	Arsenic	3	6.2	
	B22-126-SB	6	Arsenic	3	6.8	
		10	Arsenic	3	7.1	
	B22-127-SB	1	Arsenic	3	3.7	
Hot Strip Mill Drum Handling Area	B22-128-SB	1	Aroclor 1254	0.97	0.99	
			Arsenic	3	4	
			Manganese	26,000	26,400	J
			PCBs (total)	0.97	1.631	
	B22-129-SB	1	Aroclor 1254	0.97	1.04	
			Arsenic	3	9.9	
			PCBs (total)	0.97	1.867	
		4	Arsenic	3	4.7	
	B22-130-SB	1	Aroclor 1254	0.97	1.15	
			Arsenic	3	9.8	
			Chromium VI	6.3	11.7	J-
			Manganese	26,000	29,100	J
			PCBs (total)	0.97	2.209	
		4	Arsenic	3	4.8	
SAH Sewer Pump Station	B22-131-SB	1	Arsenic	3	5.1	
		5	Arsenic	3	12.5	
	B22-132-SB	1	Arsenic	3	3	
		5	Arsenic	3	11.8	
Scale Pits	B22-133-SB	1	Arsenic	3	3.2	
		5	Arsenic	3	5.6	
	B22-134-SB	1	Arsenic	3	6.8	
			PCBs (total)	0.97	2.6391	
		7	Arsenic	3	6.4	
	B22-135-SB	1	Arsenic	3	9.9	
			Chromium VI	6.3	11	J-
			PCBs (total)	0.97	2.04	
		8	Arsenic	3	8.5	
	B22-136-SB	1	Arsenic	3	3.1	
		5	Arsenic	3	8.8	

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
Slab Storage Area	B22-137-SB	1	Arsenic	3	5.5	
			Manganese	26,000	30,400	
		8	Arsenic	3	5	
	B22-138-SB	1	Arsenic	3	4.7	
		8	Arsenic	3	4.9	
	B22-139-SB	1	Arsenic	3	17.5	
		4	Arsenic	3	8.8	
	B22-140-SB	1	Aroclor 1242	0.97	6.64	
			Chromium VI	6.3	7.8	J-
			Manganese	26,000	29,900	
			PCBs (total)	0.97	6.64	
		5	Arsenic	3	6	
	B22-141-SB	1	Arsenic	3	4.2	
		5	Arsenic	3	6.1	
	B22-142-SB	1	Arsenic	3	4.8	
			Manganese	26,000	28,500	
		5	Arsenic	3	3	
			Benzo[a]pyrene	2.1	4.7	
			Manganese	26,000	28,600	
	B22-143-SB	1	Arsenic	3	5.3	
			Manganese	26,000	30,600	
		5	Arsenic	3	5.1	
			Manganese	26,000	27,900	
		10	Arsenic	3	4	
Acid Tanks	B22-144-SB	1	Aroclor 1248	0.94	1.48	
			Aroclor 1254	0.97	0.978	
			PCBs (total)	0.97	4.778	
		7	Benzo[a]pyrene	2.1	4.5	
	B22-145-SB	1	Arsenic	3	5.9	
			Lead	800	900	
			PCBs (total)	0.97	1.559	
		4	Arsenic	3	4.2	
		10	Arsenic	3	3.3	
	B22-146-SB	1	Arsenic	3	13	
			Benzo[a]pyrene	2.1	4.7	
		5	Arsenic	3	3.8	
	B22-147-SB	1	Arsenic	3	7.9	
		5.5	Arsenic	3	5.5	

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
Caustic Tanks	B22-148-SB	1	Arsenic	3	8.2	
			Benzo[a]pyrene	2.1	4.6	
			Lead	800	1,030	
			PCBs (total)	0.97	1.98	
		6	Arsenic	3	40.8	
			Diesel Range Organics	6,200	6,670	
		10	Arsenic	3	7.5	
			Benzo[a]pyrene	2.1	9.5	
	B22-149-SB	1	Arsenic	3	16.3	
			Benzo[a]pyrene	2.1	3.7	
		8	Arsenic	3	24	
			Benz[a]anthracene	21	60.4	
			Benzo[a]pyrene	2.1	47.1	
			Benzo[b]fluoranthene	21	92.5	
			Dibenz[a,h]anthracene	2.1	5.2	
	B22-150-SB	1	PCBs (total)	0.97	1.634	
		5	Arsenic	3	6.1	
Fuel/Oil Tanks	B22-152-SB	1	Arsenic	3	11.1	
			Manganese	26,000	31,900	
		6	Arsenic	3	13.7	
			Diesel Range Organics	6,200	6,610	
			Manganese	26,000	37,900	
	B22-153-SB	1	Aroclor 1242	0.97	1.01	
			Arsenic	3	5.1	
			Lead	800	866	
			PCBs (total)	0.97	1.0371	
		4	Arsenic	3	9.8	
			Manganese	26,000	27,400	J-
	B22-154-SB	1	Arsenic	3	3.9	
			Benzo[a]pyrene	2.1	2.5	
	B22-155-SB	1	Arsenic	3	3.4	
			Benzo[a]pyrene	2.1	6	

TABLE 8
SOIL PAL EXCEEDANCES FOR SPECIFIC TARGETS

Target Feature	Boring ID	Sample Depth (ft)	Parameter	PAL	Result (mg/kg)	Flag
Palm Oil Tanks	B22-156-SB	1	Manganese	26,000	31,400	
		4.5	Arsenic	3	5.8	
	B22-157-SB	1	Arsenic	3	5.1	
	B22-158-SB	1	Arsenic	3	7.9	
		8	Arsenic	3	9.7	
			Manganese	26,000	41,100	
		10	Arsenic	3	4.9	
			Manganese	26,000	51,000	
	B22-159-SB	1	Arsenic	3	11.7	
			Manganese	26,000	59,500	J-
	B22-161-SB	1	Arsenic	3	6	
			Manganese	26,000	36,500	J
			Vanadium	5,800	6,800	
		4.5	Arsenic	3	5	
Tanks - Unknown Contents	B22-162-SB	1	Arsenic	3	8.7	
			Diesel Range Organics	6,200	39,100	
		5	Arsenic	3	3.9	
	B22-163-SB	1	Arsenic	3	4.2	
			PCBs (total)	0.97	1	
		5	Arsenic	3	7.8	
			Diesel Range Organics	6,200	8,400	
	B22-164-SB	1	Arsenic	3	3.2	
		6	Arsenic	3	6	
	B22-165-SB	1	Arsenic	3	4.3	
		4	Arsenic	3	5.5	
Pump Houses/Stations	B22-177-SB	5	Arsenic	3	5.5	
	B22-178-SB	1	Arsenic	3	10.3	
			Manganese	26,000	27,300	
		6	Arsenic	3	7.5	
	B22-179-SB	6	Arsenic	3	3.6	

J: The positive result reported for this analyte is a quantitative estimate.
J-: The positive result reported for this analyte is a quantitative estimate, but may be biased low.
Site-wide borings providing general coverage are not included on this table.

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Parcel B22 - Table 9

Rejected Results for Soil

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample: *B22-001-SB-1*					
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0053	mg/kg	30	no	R
Sample: *B22-001-SB-4*					
1,4-Dioxane	0.091	mg/kg	24	no	R
Bromomethane	0.0045	mg/kg	30	no	R
Sample: *B22-002-SB-1*					
1,4-Dioxane	0.071	mg/kg	24	no	R
Benzaldehyde	0.069	mg/kg	120,000	no	R
Bromomethane	0.0036	mg/kg	30	no	R
Sample: *B22-002-SB-7*					
1,4-Dioxane	0.1	mg/kg	24	no	R
Benzaldehyde	0.081	mg/kg	120,000	no	R
Bromomethane	0.005	mg/kg	30	no	R
Sample: *B22-003-SB-1*					
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0056	mg/kg	30	no	R
Sample: *B22-003-SB-4*					
1,4-Dioxane	0.098	mg/kg	24	no	R
Bromomethane	0.0049	mg/kg	30	no	R
Sample: *B22-004-SB-1*					
1,4-Dioxane	0.098	mg/kg	24	no	R
Bromomethane	0.0049	mg/kg	30	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample: *B22-004-SB-4*					
1,4-Dioxane	0.089	mg/kg	24	no	R
Bromomethane	0.0044	mg/kg	30	no	R
Sample: *B22-007-SB-1*					
1,4-Dioxane	0.11	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.072	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.072	mg/kg	210	no	R
2,4-Dichlorophenol	0.072	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.072	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.072	mg/kg	5,800	no	R
2-Methylphenol	0.072	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.14	mg/kg	41,000	no	R
Bromomethane	0.0054	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.072	mg/kg	250,000	no	R
Sample: *B22-007-SB-4*					
1,4-Dioxane	0.11	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.086	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.22	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.086	mg/kg	210	no	R
2,4-Dichlorophenol	0.086	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.086	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.22	mg/kg	1,600	no	R
2-Chlorophenol	0.086	mg/kg	5,800	no	R
2-Methylphenol	0.086	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.17	mg/kg	41,000	no	R
Bromomethane	0.0054	mg/kg	30	no	R
Pentachlorophenol	0.22	mg/kg	4	no	R
Phenol	0.086	mg/kg	250,000	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample: *B22-008-SB-1*					
1,4-Dioxane	0.15	mg/kg	24	no	R
Bromomethane	0.0076	mg/kg	30	no	R
Sample: *B22-008-SB-4*					
1,4-Dioxane	0.1	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.072	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.072	mg/kg	210	no	R
2,4-Dichlorophenol	0.072	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.072	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.072	mg/kg	5,800	no	R
2-Methylphenol	0.072	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.14	mg/kg	41,000	no	R
Bromomethane	0.0051	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.072	mg/kg	250,000	no	R
Sample: *B22-009-SB-1*					
1,4-Dioxane	0.087	mg/kg	24	no	R
Bromomethane	0.0043	mg/kg	30	no	R
Sample: *B22-009-SB-6*					
1,4-Dioxane	0.13	mg/kg	24	no	R
Bromomethane	0.0065	mg/kg	30	no	R
Sample: *B22-010-SB-1*					
1,4-Dioxane	0.1	mg/kg	24	no	R
Bromomethane	0.0052	mg/kg	30	no	R
Sample: *B22-010-SB-4*					
1,4-Dioxane	0.1	mg/kg	24	no	R
Bromomethane	0.0051	mg/kg	30	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample: *B22-012-SB-1*					
1,4-Dioxane	0.093	mg/kg	24	no	R
Bromomethane	0.0047	mg/kg	30	no	R
Sample: *B22-012-SB-4*					
1,4-Dioxane	0.12	mg/kg	24	no	R
Benzaldehyde	0.078	mg/kg	120,000	no	R
Bromomethane	0.0062	mg/kg	30	no	R
Sample: *B22-013-SB-1*					
1,4-Dioxane	0.11	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.074	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.19	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.074	mg/kg	210	no	R
2,4-Dichlorophenol	0.074	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.074	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.19	mg/kg	1,600	no	R
2-Chlorophenol	0.074	mg/kg	5,800	no	R
2-Methylphenol	0.074	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Bromomethane	0.0054	mg/kg	30	no	R
Pentachlorophenol	0.19	mg/kg	4	no	R
Phenol	0.074	mg/kg	250,000	no	R
Sample: *B22-013-SB-4*					
1,4-Dioxane	0.1	mg/kg	24	no	R
Benzaldehyde	0.083	mg/kg	120,000	no	R
Bromomethane	0.005	mg/kg	30	no	R
Sample: *B22-014-SB-1*					
1,4-Dioxane	0.095	mg/kg	24	no	R
Benzaldehyde	0.076	mg/kg	120,000	no	R
Bromomethane	0.0047	mg/kg	30	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-014-SB-5***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Benzaldehyde	0.082	mg/kg	120,000	no	R
Bromomethane	0.0051	mg/kg	30	no	R
Sample:	***B22-019-SB-1***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Bromomethane	0.0051	mg/kg	30	no	R
Sample:	***B22-019-SB-6***				
1,4-Dioxane	0.096	mg/kg	24	no	R
Bromomethane	0.0048	mg/kg	30	no	R
Sample:	***B22-020-SB-1***				
1,4-Dioxane	0.14	mg/kg	24	no	R
Bromomethane	0.0069	mg/kg	30	no	R
Sample:	***B22-020-SB-4***				
1,4-Dioxane	0.095	mg/kg	24	no	R
Bromomethane	0.0047	mg/kg	30	no	R
Sample:	***B22-021-SB-1***				
1,4-Dioxane	0.096	mg/kg	24	no	R
Bromomethane	0.0048	mg/kg	30	no	R
Sample:	***B22-021-SB-5***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Bromomethane	0.005	mg/kg	30	no	R
Sample:	***B22-022-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0057	mg/kg	30	no	R
Sample:	***B22-022-SB-7***				
1,4-Dioxane	0.14	mg/kg	24	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-022-SB-7***				
Benzaldehyde	0.071	mg/kg	120,000	no	R
Bromomethane	0.007	mg/kg	30	no	R
Sample:	***B22-035-SB-1***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Benzaldehyde	0.077	mg/kg	120,000	no	R
Bromomethane	0.0051	mg/kg	30	no	R
Sample:	***B22-036-SB-1***				
1,4-Dioxane	0.086	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.072	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.072	mg/kg	210	no	R
2,4-Dichlorophenol	0.072	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.072	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.072	mg/kg	5,800	no	R
2-Methylphenol	0.072	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.14	mg/kg	41,000	no	R
Benzaldehyde	0.072	mg/kg	120,000	no	R
Bromomethane	0.0043	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.072	mg/kg	250,000	no	R
Sample:	***B22-036-SB-4***				
1,4-Dioxane	0.091	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.076	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.19	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.076	mg/kg	210	no	R
2,4-Dichlorophenol	0.076	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.076	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.19	mg/kg	1,600	no	R
2-Chlorophenol	0.076	mg/kg	5,800	no	R
2-Methylphenol	0.076	mg/kg	41,000	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-036-SB-4***				
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Benzaldehyde	0.076	mg/kg	120,000	no	R
Bromomethane	0.0046	mg/kg	30	no	R
Pentachlorophenol	0.19	mg/kg	4	no	R
Phenol	0.076	mg/kg	250,000	no	R
Sample:	***B22-039A-SB-3***				
Benzaldehyde	0.088	mg/kg	120,000	no	R
Mercury	0.13	mg/kg	350	no	R
Sample:	***B22-039-SB-1***				
1,4-Dioxane	0.14	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.071	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.071	mg/kg	210	no	R
2,4-Dichlorophenol	0.071	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.071	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.071	mg/kg	5,800	no	R
2-Methylphenol	0.071	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.14	mg/kg	41,000	no	R
Benzaldehyde	0.071	mg/kg	120,000	no	R
Bromomethane	0.0069	mg/kg	30	no	R
Mercury	0.099	mg/kg	350	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.071	mg/kg	250,000	no	R
Sample:	***B22-039-SB-4***				
1,4-Dioxane	0.14	mg/kg	24	no	R
Benzaldehyde	0.076	mg/kg	120,000	no	R
Bromomethane	0.0072	mg/kg	30	no	R
Mercury	0.11	mg/kg	350	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-040-SB-1***				
1,4-Dioxane	0.13	mg/kg	24	no	R
Benzaldehyde	0.075	mg/kg	120,000	no	R
Bromomethane	0.0065	mg/kg	30	no	R
Mercury	0.11	mg/kg	350	no	R
Sample:	***B22-040-SB-4***				
1,4-Dioxane	0.14	mg/kg	24	no	R
Benzaldehyde	0.074	mg/kg	120,000	no	R
Bromomethane	0.0071	mg/kg	30	no	R
Mercury	0.11	mg/kg	350	no	R
Sample:	***B22-041-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Benzaldehyde	0.07	mg/kg	120,000	no	R
Bromomethane	0.0053	mg/kg	30	no	R
Sample:	***B22-041-SB-5***				
1,4-Dioxane	0.093	mg/kg	24	no	R
Benzaldehyde	0.082	mg/kg	120,000	no	R
Bromomethane	0.0046	mg/kg	30	no	R
Sample:	***B22-042-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Benzaldehyde	0.072	mg/kg	120,000	no	R
Bromomethane	0.0054	mg/kg	30	no	R
Mercury	0.1	mg/kg	350	no	R
Sample:	***B22-042-SB-4***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Benzaldehyde	0.079	mg/kg	120,000	no	R
Bromomethane	0.0054	mg/kg	30	no	R
Sample:	***B22-044-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-044-SB-1***				
2,3,4,6-Tetrachlorophenol	0.074	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.074	mg/kg	210	no	R
2,4-Dichlorophenol	0.074	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.074	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.074	mg/kg	5,800	no	R
2-Methylphenol	0.074	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Benzaldehyde	0.074	mg/kg	120,000	no	R
Bromomethane	0.0054	mg/kg	30	no	R
Mercury	0.11	mg/kg	350	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Sample:	***B22-044-SB-4***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Benzaldehyde	0.071	mg/kg	120,000	no	R
Bromomethane	0.0052	mg/kg	30	no	R
Mercury	0.11	mg/kg	350	no	R
Sample:	***B22-045-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0056	mg/kg	30	no	R
Mercury	0.11	mg/kg	350	no	R
Sample:	***B22-046-SB-1***				
1,1,2,2-Tetrachloroethane	0.0051	mg/kg	2.7	no	R
1,4-Dioxane	0.1	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.071	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.071	mg/kg	210	no	R
2,4-Dichlorophenol	0.071	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.071	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-046-SB-1***				
2-Chlorophenol	0.071	mg/kg	5,800	no	R
2-Methylphenol	0.071	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.14	mg/kg	41,000	no	R
Bromomethane	0.0051	mg/kg	30	no	R
Hexachlorocyclopentadiene	0.071	mg/kg	7.5	no	R
Mercury	0.11	mg/kg	350	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.071	mg/kg	250,000	no	R
Sample:	***B22-046-SB-4***				
1,4-Dioxane	0.12	mg/kg	24	no	R
Benzaldehyde	0.09	mg/kg	120,000	no	R
Bromomethane	0.0058	mg/kg	30	no	R
Sample:	***B22-048-SB-1***				
1,4-Dioxane	0.17	mg/kg	24	no	R
Benzaldehyde	0.072	mg/kg	120,000	no	R
Bromomethane	0.0086	mg/kg	30	no	R
Sample:	***B22-048-SB-5***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Benzaldehyde	0.08	mg/kg	120,000	no	R
Bromomethane	0.0057	mg/kg	30	no	R
Sample:	***B22-049-SB-1***				
1,4-Dioxane	0.13	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.071	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.071	mg/kg	210	no	R
2,4-Dichlorophenol	0.071	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.071	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.071	mg/kg	5,800	no	R
2-Methylphenol	0.071	mg/kg	41,000	no	R

Rejected Results for Soil

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-049-SB-1***				
3&4-Methylphenol(m&p Cresol)	0.14	mg/kg	41,000	no	R
Bromomethane	0.0064	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.071	mg/kg	250,000	no	R
Sample:	***B22-049-SB-5***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Bromomethane	0.0052	mg/kg	30	no	R
Sample:	***B22-050-SB-1***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Bromomethane	0.0051	mg/kg	30	no	R
Sample:	***B22-050-SB-4.5***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Bromomethane	0.0052	mg/kg	30	no	R
Sample:	***B22-051-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Benzaldehyde	0.075	mg/kg	120,000	no	R
Bromomethane	0.0054	mg/kg	30	no	R
Sample:	***B22-051-SB-6***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Benzaldehyde	0.082	mg/kg	120,000	no	R
Bromomethane	0.0053	mg/kg	30	no	R
Sample:	***B22-052-SB-1***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Benzaldehyde	0.081	mg/kg	120,000	no	R
Bromomethane	0.0051	mg/kg	30	no	R
Sample:	***B22-052-SB-8***				
Benzaldehyde	0.085	mg/kg	120,000	no	R

Rejected Results for Soil

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-053-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0054	mg/kg	30	no	R
Sample:	***B22-053-SB-8***				
1,4-Dioxane	0.099	mg/kg	24	no	R
Benzaldehyde	0.082	mg/kg	120,000	no	R
Bromomethane	0.0049	mg/kg	30	no	R
Sample:	***B22-054-SB-1***				
1,4-Dioxane	0.12	mg/kg	24	no	R
Benzaldehyde	0.073	mg/kg	120,000	no	R
Bromomethane	0.0061	mg/kg	30	no	R
Sample:	***B22-054-SB-4***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Benzaldehyde	0.08	mg/kg	120,000	no	R
Bromomethane	0.0052	mg/kg	30	no	R
Sample:	***B22-055-SB-1***				
1,4-Dioxane	0.14	mg/kg	24	no	R
Bromomethane	0.007	mg/kg	30	no	R
Sample:	***B22-055-SB-8.5***				
1,4-Dioxane	0.091	mg/kg	24	no	R
Benzaldehyde	0.081	mg/kg	120,000	no	R
Bromomethane	0.0045	mg/kg	30	no	R
Sample:	***B22-056-SB-1***				
1,4-Dioxane	0.14	mg/kg	24	no	R
Bromomethane	0.0069	mg/kg	30	no	R
Sample:	***B22-056-SB-5***				
1,4-Dioxane	0.12	mg/kg	24	no	R
Benzaldehyde	0.078	mg/kg	120,000	no	R

Rejected Results for Soil

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample: ***B22-056-SB-5***					
Bromomethane	0.0062	mg/kg	30	no	R
Sample: ***B22-057-SB-1***					
1,4-Dioxane	0.12	mg/kg	24	no	R
Bromomethane	0.0058	mg/kg	30	no	R
Sample: ***B22-058-SB-1***					
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0055	mg/kg	30	no	R
Sample: ***B22-058-SB-7***					
1,4-Dioxane	0.099	mg/kg	24	no	R
Bromomethane	0.005	mg/kg	30	no	R
Sample: ***B22-061-SB-1***					
1,4-Dioxane	0.12	mg/kg	24	no	R
Bromomethane	0.0059	mg/kg	30	no	R
Sample: ***B22-061-SB-5***					
1,4-Dioxane	0.16	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.1	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.25	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.1	mg/kg	210	no	R
2,4-Dichlorophenol	0.1	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.1	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.25	mg/kg	1,600	no	R
2-Chlorophenol	0.1	mg/kg	5,800	no	R
2-Methylphenol	0.1	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.2	mg/kg	41,000	no	R
Bromomethane	0.0082	mg/kg	30	no	R
Pentachlorophenol	0.25	mg/kg	4	no	R
Phenol	0.1	mg/kg	250,000	no	R

Rejected Results for Soil

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-063-SB-1***				
1,4-Dioxane	0.079	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.073	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.073	mg/kg	210	no	R
2,4-Dichlorophenol	0.073	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.073	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.073	mg/kg	5,800	no	R
2-Methylphenol	0.073	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Bromomethane	0.0039	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.073	mg/kg	250,000	no	R
Sample:	***B22-063-SB-9***				
1,4-Dioxane	0.11	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.075	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.19	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.075	mg/kg	210	no	R
2,4-Dichlorophenol	0.075	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.075	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.19	mg/kg	1,600	no	R
2-Chlorophenol	0.075	mg/kg	5,800	no	R
2-Methylphenol	0.075	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Benzaldehyde	0.075	mg/kg	120,000	no	R
Bromomethane	0.0057	mg/kg	30	no	R
Pentachlorophenol	0.19	mg/kg	4	no	R
Phenol	0.075	mg/kg	250,000	no	R
Sample:	***B22-064-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0056	mg/kg	30	no	R

Rejected Results for Soil

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-064-SB-7***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Bromomethane	0.005	mg/kg	30	no	R
Sample:	***B22-066-SB-1***				
1,4-Dioxane	0.089	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.071	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.071	mg/kg	210	no	R
2,4-Dichlorophenol	0.071	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.071	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.071	mg/kg	5,800	no	R
2-Methylphenol	0.071	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.14	mg/kg	41,000	no	R
Benzaldehyde	0.071	mg/kg	120,000	no	R
Bromomethane	0.0045	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.071	mg/kg	250,000	no	R
Sample:	***B22-066-SB-9***				
1,4-Dioxane	0.13	mg/kg	24	no	R
Benzaldehyde	0.074	mg/kg	120,000	no	R
Bromomethane	0.0066	mg/kg	30	no	R
Sample:	***B22-072-SB-1***				
1,4-Dioxane	0.14	mg/kg	24	no	R
Benzaldehyde	0.079	mg/kg	120,000	no	R
Bromomethane	0.007	mg/kg	30	no	R
Sample:	***B22-073-SB-1***				
1,4-Dioxane	0.16	mg/kg	24	no	R
Bromomethane	0.0081	mg/kg	30	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-073-SB-5***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Benzaldehyde	0.085	mg/kg	120,000	no	R
Bromomethane	0.005	mg/kg	30	no	R
Sample:	***B22-074-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0054	mg/kg	30	no	R
Sample:	***B22-077-SB-1***				
1,4-Dioxane	0.094	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.076	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.19	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.076	mg/kg	210	no	R
2,4-Dichlorophenol	0.076	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.076	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.19	mg/kg	1,600	no	R
2-Chlorophenol	0.076	mg/kg	5,800	no	R
2-Methylphenol	0.076	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Bromomethane	0.0047	mg/kg	30	no	R
Pentachlorophenol	0.19	mg/kg	4	no	R
Phenol	0.076	mg/kg	250,000	no	R
Sample:	***B22-077-SB-5***				
1,4-Dioxane	0.12	mg/kg	24	no	R
Benzaldehyde	0.074	mg/kg	120,000	no	R
Bromomethane	0.0061	mg/kg	30	no	R
Sample:	***B22-078-SB-1***				
1,4-Dioxane	0.1	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.075	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.19	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.075	mg/kg	210	no	R
2,4-Dichlorophenol	0.075	mg/kg	2,500	no	R

Rejected Results for Soil

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-078-SB-1***				
2,4-Dimethylphenol	0.075	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.19	mg/kg	1,600	no	R
2-Chlorophenol	0.075	mg/kg	5,800	no	R
2-Methylphenol	0.075	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Bromomethane	0.0051	mg/kg	30	no	R
Pentachlorophenol	0.19	mg/kg	4	no	R
Phenol	0.075	mg/kg	250,000	no	R
Sample:	***B22-078-SB-7.5***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Benzaldehyde	0.084	mg/kg	120,000	no	R
Bromomethane	0.0051	mg/kg	30	no	R
Sample:	***B22-079-SB-1***				
1,4-Dioxane	0.091	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.071	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.071	mg/kg	210	no	R
2,4-Dichlorophenol	0.071	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.071	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.071	mg/kg	5,800	no	R
2-Methylphenol	0.071	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.14	mg/kg	41,000	no	R
Bromomethane	0.0046	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.071	mg/kg	250,000	no	R
Sample:	***B22-079-SB-4***				
1,4-Dioxane	0.18	mg/kg	24	no	R
Benzaldehyde	0.082	mg/kg	120,000	no	R
Bromomethane	0.0088	mg/kg	30	no	R

Rejected Results for Soil

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample: ***B22-082-SB-1***					
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0053	mg/kg	30	no	R
Sample: ***B22-082-SB-4***					
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0053	mg/kg	30	no	R
Sample: ***B22-084-SB-1***					
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0057	mg/kg	30	no	R
Sample: ***B22-085-SB-1***					
1,4-Dioxane	0.12	mg/kg	24	no	R
Bromomethane	0.0059	mg/kg	30	no	R
Sample: ***B22-086-SB-1***					
1,4-Dioxane	0.12	mg/kg	24	no	R
Benzaldehyde	0.078	mg/kg	120,000	no	R
Bromomethane	0.0058	mg/kg	30	no	R
Sample: ***B22-086-SB-5***					
1,4-Dioxane	0.13	mg/kg	24	no	R
Benzaldehyde	0.087	mg/kg	120,000	no	R
Bromomethane	0.0067	mg/kg	30	no	R
Sample: ***B22-091-SB-1***					
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0055	mg/kg	30	no	R
Sample: ***B22-091-SB-4***					
1,4-Dioxane	0.082	mg/kg	24	no	R
Bromomethane	0.0041	mg/kg	30	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-092-SB-1***				
1,4-Dioxane	0.13	mg/kg	24	no	R
Bromomethane	0.0064	mg/kg	30	no	R
Sample:	***B22-092-SB-4***				
1,4-Dioxane	0.12	mg/kg	24	no	R
Bromomethane	0.0058	mg/kg	30	no	R
Sample:	***B22-093-SB-1***				
1,4-Dioxane	0.097	mg/kg	24	no	R
Bromomethane	0.0048	mg/kg	30	no	R
Sample:	***B22-093-SB-5***				
1,4-Dioxane	0.092	mg/kg	24	no	R
Benzaldehyde	0.078	mg/kg	120,000	no	R
Bromomethane	0.0046	mg/kg	30	no	R
Sample:	***B22-103-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0057	mg/kg	30	no	R
Sample:	***B22-103-SB-4***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0053	mg/kg	30	no	R
Sample:	***B22-104-SB-1***				
1,4-Dioxane	0.23	mg/kg	24	no	R
Bromomethane	0.011	mg/kg	30	no	R
Sample:	***B22-104-SB-4***				
1,4-Dioxane	0.098	mg/kg	24	no	R
Bromomethane	0.0049	mg/kg	30	no	R
Sample:	***B22-105-SB-1***				
1,4-Dioxane	0.096	mg/kg	24	no	R

Rejected Results for Soil

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample: ***B22-105-SB-1***					
Bromomethane	0.0048	mg/kg	30	no	R
Sample: ***B22-105-SB-4***					
1,4-Dioxane	0.091	mg/kg	24	no	R
Bromomethane	0.0046	mg/kg	30	no	R
Sample: ***B22-107-SB-1***					
1,4-Dioxane	0.089	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.076	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.19	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.076	mg/kg	210	no	R
2,4-Dichlorophenol	0.076	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.076	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.19	mg/kg	1,600	no	R
2-Chlorophenol	0.076	mg/kg	5,800	no	R
2-Methylphenol	0.076	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Bromomethane	0.0044	mg/kg	30	no	R
Pentachlorophenol	0.19	mg/kg	4	no	R
Phenol	0.076	mg/kg	250,000	no	R
Sample: ***B22-107-SB-5***					
1,4-Dioxane	0.098	mg/kg	24	no	R
Benzaldehyde	0.083	mg/kg	120,000	no	R
Bromomethane	0.0049	mg/kg	30	no	R
Sample: ***B22-108-SB-1***					
Benzaldehyde	0.075	mg/kg	120,000	no	R
Bromomethane	0.0052	mg/kg	30	no	R
Sample: ***B22-108-SB-5***					
1,4-Dioxane	0.12	mg/kg	24	no	R
Bromomethane	0.0059	mg/kg	30	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-115-SB-1***				
1,4-Dioxane	0.1	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.084	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.21	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.084	mg/kg	210	no	R
2,4-Dichlorophenol	0.084	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.084	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.21	mg/kg	1,600	no	R
2-Chlorophenol	0.084	mg/kg	5,800	no	R
2-Methylphenol	0.084	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.17	mg/kg	41,000	no	R
Benzaldehyde	0.084	mg/kg	120,000	no	R
Bromomethane	0.0051	mg/kg	30	no	R
Pentachlorophenol	0.21	mg/kg	4	no	R
Phenol	0.084	mg/kg	250,000	no	R
Sample:	***B22-115-SB-8.5***				
1,4-Dioxane	0.096	mg/kg	24	no	R
Benzaldehyde	0.08	mg/kg	120,000	no	R
Bromomethane	0.0048	mg/kg	30	no	R
Sample:	***B22-119-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Benzaldehyde	0.07	mg/kg	120,000	no	R
Bromomethane	0.0056	mg/kg	30	no	R
Sample:	***B22-119-SB-9***				
1,4-Dioxane	0.14	mg/kg	24	no	R
Benzaldehyde	0.099	mg/kg	120,000	no	R
Bromomethane	0.007	mg/kg	30	no	R
Sample:	***B22-122-SB-1***				
1,4-Dioxane	0.17	mg/kg	24	no	R
Bromomethane	0.0084	mg/kg	30	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-123-SB-1***				
1,4-Dioxane	0.12	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.072	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.072	mg/kg	210	no	R
2,4-Dichlorophenol	0.072	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.072	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.072	mg/kg	5,800	no	R
2-Methylphenol	0.072	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.14	mg/kg	41,000	no	R
Bromomethane	0.0061	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.072	mg/kg	250,000	no	R
Sample:	***B22-124-SB-1***				
1,4-Dioxane	0.13	mg/kg	24	no	R
Bromomethane	0.0065	mg/kg	30	no	R
Sample:	***B22-124-SB-4***				
1,4-Dioxane	0.12	mg/kg	24	no	R
Bromomethane	0.006	mg/kg	30	no	R
Sample:	***B22-128-SB-1***				
1,4-Dioxane	0.1	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.073	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.073	mg/kg	210	no	R
2,4-Dichlorophenol	0.073	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.073	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.073	mg/kg	5,800	no	R
2-Methylphenol	0.073	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Bromomethane	0.0051	mg/kg	30	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-128-SB-1***				
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.073	mg/kg	250,000	no	R
Sample:	***B22-129-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.074	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.19	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.074	mg/kg	210	no	R
2,4-Dichlorophenol	0.074	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.074	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.19	mg/kg	1,600	no	R
2-Chlorophenol	0.074	mg/kg	5,800	no	R
2-Methylphenol	0.074	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Benzaldehyde	0.074	mg/kg	120,000	no	R
Bromomethane	0.0054	mg/kg	30	no	R
Pentachlorophenol	0.19	mg/kg	4	no	R
Phenol	0.074	mg/kg	250,000	no	R
Sample:	***B22-129-SB-4***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Benzaldehyde	0.075	mg/kg	120,000	no	R
Bromomethane	0.0057	mg/kg	30	no	R
Sample:	***B22-130-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.073	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.073	mg/kg	210	no	R
2,4-Dichlorophenol	0.073	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.073	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.073	mg/kg	5,800	no	R
2-Methylphenol	0.073	mg/kg	41,000	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-130-SB-1***				
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Benzaldehyde	0.073	mg/kg	120,000	no	R
Bromomethane	0.0057	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.073	mg/kg	250,000	no	R
Sample:	***B22-130-SB-4***				
1,4-Dioxane	0.088	mg/kg	24	no	R
Benzaldehyde	0.078	mg/kg	120,000	no	R
Bromomethane	0.0044	mg/kg	30	no	R
Sample:	***B22-131-SB-1***				
1,4-Dioxane	0.092	mg/kg	24	no	R
Benzaldehyde	0.078	mg/kg	120,000	no	R
Bromomethane	0.0046	mg/kg	30	no	R
Sample:	***B22-131-SB-5***				
1,4-Dioxane	0.097	mg/kg	24	no	R
Benzaldehyde	0.081	mg/kg	120,000	no	R
Bromomethane	0.0048	mg/kg	30	no	R
Sample:	***B22-132-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Benzaldehyde	0.076	mg/kg	120,000	no	R
Bromomethane	0.0053	mg/kg	30	no	R
Sample:	***B22-132-SB-5***				
1,4-Dioxane	0.095	mg/kg	24	no	R
Benzaldehyde	0.081	mg/kg	120,000	no	R
Bromomethane	0.0048	mg/kg	30	no	R
Sample:	***B22-133-SB-1***				
1,4-Dioxane	0.12	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.077	mg/kg	25,000	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-133-SB-1***				
2,4,5-Trichlorophenol	0.19	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.077	mg/kg	210	no	R
2,4-Dichlorophenol	0.077	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.077	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.19	mg/kg	1,600	no	R
2-Chlorophenol	0.077	mg/kg	5,800	no	R
2-Methylphenol	0.077	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Bromomethane	0.0062	mg/kg	30	no	R
Pentachlorophenol	0.19	mg/kg	4	no	R
Phenol	0.077	mg/kg	250,000	no	R
Sample:	***B22-133-SB-5***				
1,4-Dioxane	0.11	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.079	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.2	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.079	mg/kg	210	no	R
2,4-Dichlorophenol	0.079	mg/kg	2,500	no	R
2,4-Dinitrophenol	0.2	mg/kg	1,600	no	R
2-Chlorophenol	0.079	mg/kg	5,800	no	R
2-Methylphenol	0.079	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.16	mg/kg	41,000	no	R
Bromomethane	0.0055	mg/kg	30	no	R
Pentachlorophenol	0.2	mg/kg	4	no	R
Phenol	0.079	mg/kg	250,000	no	R
Sample:	***B22-134-SB-1***				
1,4-Dioxane	0.12	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.077	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.19	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.077	mg/kg	210	no	R
2,4-Dichlorophenol	0.077	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.077	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.19	mg/kg	1,600	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-134-SB-1***				
2-Chlorophenol	0.077	mg/kg	5,800	no	R
2-Methylphenol	0.077	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Benzaldehyde	0.077	mg/kg	120,000	no	R
Bromomethane	0.006	mg/kg	30	no	R
Pentachlorophenol	0.19	mg/kg	4	no	R
Phenol	0.077	mg/kg	250,000	no	R
Sample:	***B22-134-SB-7***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0057	mg/kg	30	no	R
Sample:	***B22-135-SB-1***				
1,4-Dioxane	0.1	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.072	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.072	mg/kg	210	no	R
2,4-Dichlorophenol	0.072	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.072	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.072	mg/kg	5,800	no	R
2-Methylphenol	0.072	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.14	mg/kg	41,000	no	R
Benzaldehyde	0.072	mg/kg	120,000	no	R
Bromomethane	0.0052	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.072	mg/kg	250,000	no	R
Sample:	***B22-135-SB-8***				
1,4-Dioxane	0.12	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.078	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.19	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.078	mg/kg	210	no	R
2,4-Dichlorophenol	0.078	mg/kg	2,500	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-135-SB-8***				
2,4-Dinitrophenol	0.19	mg/kg	1,600	no	R
2-Chlorophenol	0.078	mg/kg	5,800	no	R
2-Methylphenol	0.078	mg/kg	41,000	no	R
Bromomethane	0.0059	mg/kg	30	no	R
Pentachlorophenol	0.19	mg/kg	4	no	R
Phenol	0.078	mg/kg	250,000	no	R
Sample:	***B22-136-SB-1***				
1,4-Dioxane	0.13	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.073	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.073	mg/kg	210	no	R
2,4-Dichlorophenol	0.073	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.073	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.073	mg/kg	5,800	no	R
2-Methylphenol	0.073	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Bromomethane	0.0064	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.073	mg/kg	250,000	no	R
Sample:	***B22-136-SB-5***				
1,4-Dioxane	0.17	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.11	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.26	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.11	mg/kg	210	no	R
2,4-Dichlorophenol	0.11	mg/kg	2,500	no	R
2,4-Dinitrophenol	0.26	mg/kg	1,600	no	R
2-Chlorophenol	0.11	mg/kg	5,800	no	R
Bromomethane	0.0087	mg/kg	30	no	R
Pentachlorophenol	0.26	mg/kg	4	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-137-SB-1***				
1,4-Dioxane	0.085	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.071	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.071	mg/kg	210	no	R
2,4-Dichlorophenol	0.071	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.071	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.071	mg/kg	5,800	no	R
2-Methylphenol	0.071	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.14	mg/kg	41,000	no	R
Benzaldehyde	0.071	mg/kg	120,000	no	R
Bromomethane	0.0042	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.071	mg/kg	250,000	no	R
Sample:	***B22-137-SB-8***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Benzaldehyde	0.076	mg/kg	120,000	no	R
Bromomethane	0.0052	mg/kg	30	no	R
Sample:	***B22-138-SB-1***				
1,4-Dioxane	0.13	mg/kg	24	no	R
Bromomethane	0.0065	mg/kg	30	no	R
Sample:	***B22-138-SB-8***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Benzaldehyde	0.077	mg/kg	120,000	no	R
Bromomethane	0.0051	mg/kg	30	no	R
Sample:	***B22-139-SB-1***				
1,4-Dioxane	0.1	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.075	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.19	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.075	mg/kg	210	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-139-SB-1***				
2,4-Dichlorophenol	0.075	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.075	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.19	mg/kg	1,600	no	R
2-Chlorophenol	0.075	mg/kg	5,800	no	R
2-Methylphenol	0.075	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Bromomethane	0.0051	mg/kg	30	no	R
Pentachlorophenol	0.19	mg/kg	4	no	R
Phenol	0.075	mg/kg	250,000	no	R
Sample:	***B22-139-SB-4***				
1,4-Dioxane	0.098	mg/kg	24	no	R
Bromomethane	0.0049	mg/kg	30	no	R
Sample:	***B22-140-SB-1***				
1,4-Dioxane	0.1	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.074	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.074	mg/kg	210	no	R
2,4-Dichlorophenol	0.074	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.074	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.074	mg/kg	5,800	no	R
2-Methylphenol	0.074	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Benzaldehyde	0.074	mg/kg	120,000	no	R
Bromomethane	0.005	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.074	mg/kg	250,000	no	R
Sample:	***B22-140-SB-5***				
1,4-Dioxane	0.099	mg/kg	24	no	R
Benzaldehyde	0.075	mg/kg	120,000	no	R
Bromomethane	0.005	mg/kg	30	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-141-SB-1***				
1,4-Dioxane	0.12	mg/kg	24	no	R
Benzaldehyde	0.072	mg/kg	120,000	no	R
Bromomethane	0.0058	mg/kg	30	no	R
Sample:	***B22-141-SB-5***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Benzaldehyde	0.078	mg/kg	120,000	no	R
Bromomethane	0.0052	mg/kg	30	no	R
Sample:	***B22-142-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.071	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.071	mg/kg	210	no	R
2,4-Dichlorophenol	0.071	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.071	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.071	mg/kg	5,800	no	R
2-Methylphenol	0.071	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.14	mg/kg	41,000	no	R
Bromomethane	0.0054	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.071	mg/kg	250,000	no	R
Sample:	***B22-142-SB-5***				
1,4-Dioxane	0.087	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.076	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.19	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.076	mg/kg	210	no	R
2,4-Dichlorophenol	0.076	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.076	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.19	mg/kg	1,600	no	R
2-Chlorophenol	0.076	mg/kg	5,800	no	R
2-Methylphenol	0.076	mg/kg	41,000	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-142-SB-5***				
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Benzaldehyde	0.076	mg/kg	120,000	no	R
Bromomethane	0.0044	mg/kg	30	no	R
Pentachlorophenol	0.19	mg/kg	4	no	R
Phenol	0.076	mg/kg	250,000	no	R
Sample:	***B22-143-SB-1***				
1,4-Dioxane	0.097	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.071	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.071	mg/kg	210	no	R
2,4-Dichlorophenol	0.071	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.071	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.071	mg/kg	5,800	no	R
2-Methylphenol	0.071	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.14	mg/kg	41,000	no	R
Benzaldehyde	0.071	mg/kg	120,000	no	R
Bromomethane	0.0049	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.071	mg/kg	250,000	no	R
Sample:	***B22-143-SB-5***				
1,4-Dioxane	0.1	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.075	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.19	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.075	mg/kg	210	no	R
2,4-Dichlorophenol	0.075	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.075	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.19	mg/kg	1,600	no	R
2-Chlorophenol	0.075	mg/kg	5,800	no	R
2-Methylphenol	0.075	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Benzaldehyde	0.075	mg/kg	120,000	no	R

Rejected Results for Soil

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-143-SB-5***				
Bromomethane	0.0051	mg/kg	30	no	R
Pentachlorophenol	0.19	mg/kg	4	no	R
Phenol	0.075	mg/kg	250,000	no	R
Sample:	***B22-146-SB-1***				
1,4-Dioxane	0.22	mg/kg	24	no	R
Bromomethane	0.011	mg/kg	30	no	R
Sample:	***B22-146-SB-5***				
1,4-Dioxane	0.092	mg/kg	24	no	R
Benzaldehyde	0.082	mg/kg	120,000	no	R
Bromomethane	0.0046	mg/kg	30	no	R
Sample:	***B22-147-SB-1***				
1,4-Dioxane	0.17	mg/kg	24	no	R
Bromomethane	0.0083	mg/kg	30	no	R
Sample:	***B22-147-SB-5.5***				
1,4-Dioxane	0.096	mg/kg	24	no	R
Benzaldehyde	0.081	mg/kg	120,000	no	R
Bromomethane	0.0048	mg/kg	30	no	R
Sample:	***B22-150-SB-1***				
1,4-Dioxane	0.15	mg/kg	24	no	R
Benzaldehyde	0.088	mg/kg	120,000	no	R
Bromomethane	0.0073	mg/kg	30	no	R
Sample:	***B22-150-SB-5***				
1,4-Dioxane	0.12	mg/kg	24	no	R
Benzaldehyde	0.083	mg/kg	120,000	no	R
Bromomethane	0.006	mg/kg	30	no	R
Sample:	***B22-151-SB-1***				
1,4-Dioxane	0.13	mg/kg	24	no	R

Rejected Results for Soil

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-151-SB-1***				
Benzaldehyde	0.073	mg/kg	120,000	no	R
Bromomethane	0.0065	mg/kg	30	no	R
Sample:	***B22-153-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Bromomethane	0.0057	mg/kg	30	no	R
Sample:	***B22-153-SB-4***				
1,4-Dioxane	4.8	mg/kg	24	no	R
Benzaldehyde	0.073	mg/kg	120,000	no	R
Bromomethane	0.24	mg/kg	30	no	R
Sample:	***B22-159-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Benzaldehyde	0.073	mg/kg	120,000	no	R
Bromomethane	0.0055	mg/kg	30	no	R
Sample:	***B22-160-SB-1***				
1,4-Dioxane	0.15	mg/kg	24	no	R
Benzaldehyde	0.081	mg/kg	120,000	no	R
Bromomethane	0.0074	mg/kg	30	no	R
Sample:	***B22-161-SB-1***				
1,4-Dioxane	0.12	mg/kg	24	no	R
Benzaldehyde	0.081	mg/kg	120,000	no	R
Bromomethane	0.006	mg/kg	30	no	R
Sample:	***B22-161-SB-4.5***				
1,4-Dioxane	0.16	mg/kg	24	no	R
Benzaldehyde	0.086	mg/kg	120,000	no	R
Bromomethane	0.0078	mg/kg	30	no	R
Sample:	***B22-166-SB-1***				
1,4-Dioxane	0.086	mg/kg	24	no	R

Rejected Results for Soil

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-166-SB-1***				
Benzaldehyde	0.072	mg/kg	120,000	no	R
Bromomethane	0.0043	mg/kg	30	no	R
Sample:	***B22-166-SB-4***				
1,4-Dioxane	0.13	mg/kg	24	no	R
Benzaldehyde	0.083	mg/kg	120,000	no	R
Bromomethane	0.0067	mg/kg	30	no	R
Sample:	***B22-168-SB-1***				
1,4-Dioxane	7.5	mg/kg	24	no	R
Benzaldehyde	0.078	mg/kg	120,000	no	R
Bromomethane	0.37	mg/kg	30	no	R
Sample:	***B22-168-SB-4***				
1,4-Dioxane	0.1	mg/kg	24	no	R
Benzaldehyde	0.082	mg/kg	120,000	no	R
Bromomethane	0.0051	mg/kg	30	no	R
Sample:	***B22-169-SB-1***				
1,4-Dioxane	0.14	mg/kg	24	no	R
Benzaldehyde	0.076	mg/kg	120,000	no	R
Bromomethane	0.0071	mg/kg	30	no	R
Sample:	***B22-169-SB-4***				
1,4-Dioxane	0.12	mg/kg	24	no	R
Benzaldehyde	0.088	mg/kg	120,000	no	R
Bromomethane	0.0059	mg/kg	30	no	R
Sample:	***B22-170-SB-1***				
1,4-Dioxane	0.12	mg/kg	24	no	R
Benzaldehyde	0.074	mg/kg	120,000	no	R
Bromomethane	0.0058	mg/kg	30	no	R
Mercury	0.1	mg/kg	350	no	R

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	*B22-170-SB-4*				
1,4-Dioxane	0.11	mg/kg	24	no	R
Benzaldehyde	0.082	mg/kg	120,000	no	R
Bromomethane	0.0056	mg/kg	30	no	R
Sample:	*B22-171-SB-1*				
1,4-Dioxane	0.11	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.074	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.18	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.074	mg/kg	210	no	R
2,4-Dichlorophenol	0.074	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.074	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.18	mg/kg	1,600	no	R
2-Chlorophenol	0.074	mg/kg	5,800	no	R
2-Methylphenol	0.074	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Benzaldehyde	0.074	mg/kg	120,000	no	R
Bromomethane	0.0053	mg/kg	30	no	R
Pentachlorophenol	0.18	mg/kg	4	no	R
Phenol	0.074	mg/kg	250,000	no	R
Sample:	*B22-171-SB-5*				
1,4-Dioxane	0.22	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.088	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.22	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.088	mg/kg	210	no	R
2,4-Dichlorophenol	0.088	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.088	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.22	mg/kg	1,600	no	R
2-Chlorophenol	0.088	mg/kg	5,800	no	R
2-Methylphenol	0.088	mg/kg	41,000	no	R
Bromomethane	0.011	mg/kg	30	no	R
Pentachlorophenol	0.22	mg/kg	4	no	R
Phenol	0.088	mg/kg	250,000	no	R

Rejected Results for Soil

Parameter	Result	Units	PAL	Exceeds PAL?	Flag
Sample:	***B22-172-SB-1***				
1,4-Dioxane	0.095	mg/kg	24	no	R
Benzaldehyde	0.077	mg/kg	120,000	no	R
Bromomethane	0.0047	mg/kg	30	no	R
Sample:	***B22-172-SB-5***				
1,4-Dioxane	0.11	mg/kg	24	no	R
Benzaldehyde	0.08	mg/kg	120,000	no	R
Bromomethane	0.0053	mg/kg	30	no	R
Sample:	***B22-173-SB-1***				
1,4-Dioxane	0.11	mg/kg	24	no	R
2,3,4,6-Tetrachlorophenol	0.075	mg/kg	25,000	no	R
2,4,5-Trichlorophenol	0.19	mg/kg	82,000	no	R
2,4,6-Trichlorophenol	0.075	mg/kg	210	no	R
2,4-Dichlorophenol	0.075	mg/kg	2,500	no	R
2,4-Dimethylphenol	0.075	mg/kg	16,000	no	R
2,4-Dinitrophenol	0.19	mg/kg	1,600	no	R
2-Chlorophenol	0.075	mg/kg	5,800	no	R
2-Methylphenol	0.075	mg/kg	41,000	no	R
3&4-Methylphenol(m&p Cresol)	0.15	mg/kg	41,000	no	R
Bromomethane	0.0053	mg/kg	30	no	R
Pentachlorophenol	0.19	mg/kg	4	no	R
Phenol	0.075	mg/kg	250,000	no	R
Sample:	***B22-173-SB-4***				
1,4-Dioxane	0.19	mg/kg	24	no	R
Bromomethane	0.0095	mg/kg	30	no	R

APPENDIX A

Parcel B22 Sampling Plan Summary
Former Sparrows Point Steel Mill
Sparrows Point, Maryland

Table 1 - Soil Sampling Summary

Source Area/ Description	REC & Finding/ SWMU/ AOC	Figure or Drawing of Reference	RATIONALE	Number of Locations	Sample Locations	Boring Depth	Sample Depth	Analytical Parameters: Soil Samples
Former 1991 PCB Spill Area	AOC A	DCC Figure 3-1/ Drawing 5041	On March 21, 1991, a 55 gallon drum of PCB oil was ruptured against a transformer enclosure when a hoist lost power while transporting the drum. The spill occurred inside a motor room of the hot strip mill building, and the area was reportedly isolated, cleaned, and sampled. Wipe samples of the area were collected in July 1992, and indicated that concentrations were below the applicable cleanup standards. The area was sealed with epoxy paint, and no further action was proposed.	2	B22-001 and B22-002	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Former PCB Spill Area (Sheet Mill)	AOC D	DCC Figure 3-1/ Drawing 5041	On January 28, 1986, an oil-bearing transformer leak was detected near the #1 and #2 Galvanizers inside the Cold Sheet Mill Building. The concrete floor was scrubbed with kerosene and soap and water during a three month period. Despite the cleanup, contamination persisted in the concrete to a depth of 4 inches. No further remediation activity was reported, but the area was sealed with epoxy paint. Due to the low potential for an environmental release, no further action was proposed.	2	B22-003 and B22-004	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Truck Dock #9's Former Diesel Spill and Diesel Fuel UST Area	AOC K	DCC Figure 3-1	A spill of unknown quantity occurred at the #9 Truck Dock when a fuel line or valve broke during a transfer between a truck and the tank at the dock. Records indicate that either a 10,000 gallon diesel UST or 8,000 gallon fuel oil UST was removed between 1989 and 1990. Although corrosion pitting was observed on the exterior, no apparent integrity problems were noted. Water and soil samples showed no detectable concentrations of BTEX, and no further action was proposed.	2	B22-005 and B22-006	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Former Chromic Acid Spill Area	AOC S	DCC Figure 3-1	In September 1990, between 26,000 and 27,000 gallons of chromic acid overflowed from a process tank in the Coating Lines Section of the Cold Sheet Mill Building and discharged to a sump. The acid overflowed the sump and formed a thin stream which flowed beneath the #4 Coating Line into a basement. The sump and basement were pumped out and cleaned during remediation activities. Since the release was a one-time event which occurred indoors, no further action was proposed.	2	B22-007 and B22-008	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')

Parcel B22 Sampling Plan Summary
Former Sparrows Point Steel Mill
Sparrows Point, Maryland

Source Area/ Description	REC & Finding/ SWMU/ AOC	Figure or Drawing of Reference	RATIONALE	Number of Locations	Sample Locations	Boring Depth	Sample Depth	Analytical Parameters: Soil Samples
Former Diesel Fuel UST (Cold Sheet Mill)	AOC T	DCC Figure 3-1/ Drawing 5141	The former diesel UST was located outside of the southwest corner of the Cold Sheet Mill Building, near Truck Dock 51A. The 10,000 gallon steel tank was removed on November 27, 1989. The tank exterior and end seams showed corrosion pitting, but no apparent integrity problems were noted. Some soil samples contained low detectable levels of BTEX constituents, but BTEX concentrations in groundwater were below detectable levels. After the tank was removed, no further action was proposed for AOC T.	2	B22-009 and B22-010	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Former Spent Pickle Liquor Tanks	AOC V	DCC Figure 3-1/ Drawing 5046	Two spent pickle liquor tanks were located outside of the northern end of the Hot Strip Mill. The ASTs were removed around 1986, and gravel in the vicinity of the tanks was observed to have undefined staining during a 1991 VSI. The former tanks were designated as non-releasing units, and no further action was proposed.	2	B22-011 and B22-012	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Drip Legs		Drip Leg Drawings 5886B and 5888	Coke oven gas condensate was removed from the gas pipelines at drip legs located throughout the distribution system. The condensate was typically discharged to drums, although it is possible some spilled out of the drums and on to the ground.	28	B22-013 through B22-040	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Electric Sub-Stations		Drawings 5035, 5040, 5041, 5050, 5140, and 5141	Investigate potential impacts related to electric sub-stations (potential leaks or releases).	8	B22-041 through B22-048	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Electric Transformer		Drawings 5035, 5041, and 5141	Investigate potential impacts related to electric transformers (potential leaks or releases).	2	B22-049 through B22-050	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Fuel Department		Drawing 5041	Investigate potential impacts related to the Fuel Department (potential leaks or releases).	2	B22-051 and B22-052	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Fuel Station (Tractor)		Drawing 5045	Investigate potential impacts related to fuel stations (potential leaks for releases).	2	B22-053 and B22-054	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')

Parcel B22 Sampling Plan Summary
Former Sparrows Point Steel Mill
Sparrows Point, Maryland

Source Area/ Description	REC & Finding/ SWMU/ AOC	Figure or Drawing of Reference	RATIONALE	Number of Locations	Sample Locations	Boring Depth	Sample Depth	Analytical Parameters: Soil Samples
Grease Trap		Drawing 5541	Investigate potential impacts related to the grease trap (potential leaks or releases).	2	B22-055 and B22-056	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Lube Oil Rooms/Shops		Drawings 5041 and 5145	Investigate potential impacts related to lube oil rooms and shops (potential leaks or releases).	4	B22-057 through B22-060	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Oil Houses		Drawings 5040, 5041, 5046 and 5050	Investigate potential impacts related to oil houses (potential leaks or releases).	12	B22-061 through B22-072	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Mech. Maintenance Shop		Drawing 5041	Investigate potential impacts related to the mechanical maintenance shop (potential leaks or releases).	2	B22-073 and B22-074	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Possible PCB-Contaminated Areas		PCB Site Inventory Data/Map	Investigate potential impacts related to the storage and operation of PCB-containing equipment (potential leaks or releases).	25	B22-075 through B22-098; B22-175	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Fuel/Gas Pump Houses		Drawings 5046 and 5050	Investigate potential impacts related to pump houses used for fuel or gas (potential leaks or releases).	5	B22-099 through B22-102; B22-176	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Coating Lines Blind Sumps	REC 1I, Finding 19/ SWMU 54	DCC Figure 3-1	The coating lines blind sumps were located in the Coating Lines Area of the Cold Sheet Mill. The Cold Sheet Mill was located in the central portion of the Finishing Mills Area. This unit managed wastewaters within the Coating Lines Area, and included a concrete-lined pit in the basement floor for the containment of spills or leaks from the process area located on the floor above. Further evaluation was proposed regarding SWMU 54.	3	B22-103 through B22-105	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')

Parcel B22 Sampling Plan Summary
Former Sparrows Point Steel Mill
Sparrows Point, Maryland

Source Area/ Description	REC & Finding/ SWMU/ AOC	Figure or Drawing of Reference	RATIONALE	Number of Locations	Sample Locations	Boring Depth	Sample Depth	Analytical Parameters: Soil Samples
Cold Sheet Mill Piping	REC 1J, Finding 23/ SWMU 58	DCC Figure 3-1	The piping within the Cold Sheet Mill transported process wastewater to the Tin Mill Canal discharge piping. Wastewater was transferred to the PORI Area (SWMUs 71 to 73). The system consisted primarily of concrete trenches with some brick sewers, and some open/box trenches. Further evaluation was proposed regarding SWMU 58.	3	B22-106 through B22-108	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Tandem Mill Trench System	REC 1K, Finding 24/ SWMU 59	DCC Figure 3-1	The trench system within the Tandem Mill transported oily process wastewater to the Tin Mill Canal discharge piping. Wastewater was transferred to the PORI Area (SWMUs 71 to 73). The system consisted primarily of concrete trenches with some brick sewers. Further evaluation was proposed regarding SWMU 59.	3	B22-109 through B22-111	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
PORI Oil/Water Separator	REC 1O, Finding 36/ SWMU 71	DCC Figure 3-1/ Drawing 5051	The PORI Area was located in the northern section of the Finishing Mills Area. The oil/water separator received waste oil and water from the cold rolling operations across the facility. Including external sources, the unit received and processed nearly 1 million gallons of waste oil per month. There were no known or reported releases from the oil/water separator, but all of the PORI units were recommended for further evaluation.	3	B22-112 through B22-114	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
PORI Holding Tank	REC 1P, Finding 37/ SWMU 72	DCC Figure 3-1/ Drawing 5051	After passing through the oil/water separator, the recovered oil was transferred to the PORI holding tanks. There were no known or reported releases from the holding tanks, but all of the PORI units were recommended for further evaluation.	4	B22-115 through B22-118	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
PORI Lagoon	REC 1Q, Finding 38/ SWMU 73	DCC Figure 3-1/ Drawing 5051	After passing through the oil/water separator, the wastewater was then piped to the lagoon. Within this feature, additional waste oil was skimmed and transferred back to the oil/water separator. Water from the lagoon was discharged to the Tin Mill Canal through a permitted outfall. During the 1991 VSI, the lagoon was observed to have oil-stained sides indicating the presence of oil and possible releases. All of the PORI units were recommended for further evaluation.	4	B22-119 through B22-121; B22-174	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Acid Tanks	REC 1V, Finding 53/AOC J	DCC Figures 3-1/ Drawing 5040	Six sulfuric acid tanks were located outside of the Tin Mill. The tanks were noted to be approximately 30 years old and in poor condition, and two tanks were decommissioned due to leaks in 1990. The sump and gravel below the tanks had undefined staining. Further evaluation was proposed regarding AOC J.	3	B22-122 through B22-124	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')

Parcel B22 Sampling Plan Summary
Former Sparrows Point Steel Mill
Sparrows Point, Maryland

Source Area/ Description	REC & Finding/ SWMU/ AOC	Figure or Drawing of Reference	RATIONALE	Number of Locations	Sample Locations	Boring Depth	Sample Depth	Analytical Parameters: Soil Samples
Tin Mill Sump (Acid Area Monitoring)	REC 1S, Finding 41/ SWMU 86	DCC Figure 3-1/ Drawing 5040	The sump in the acid monitoring area handled pickling wastewater. It was located beneath the acid tanks associated with AOC J, and discharged to the Tin Mill Canal. The sump was observed to have undefined staining during the 1991 VSI, and further evaluation was proposed regarding SWMU 86.		*Same as previous*	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Spent Pickle Liquor Tanks	REC 1W, Finding 58/AOC W	DCC Figure 3-1	Two spent pickle liquor tanks (60,000 gallon rubber-lined steel tanks) were located outside of the Cold Sheet Mill Building at the north end. During the 1991 VSI, the gravel/soil below the tanks was observed to have heavy (undefined) staining. The gravel underneath the tanks was made from limestone to help neutralize the pickle liquor should a leak occur. The tanks were initially observed to be bulging, buckling, and rusty during the VSI.	3	B22-125 through B22-127	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Spent Pickle Liquor Sump/Trench System	REC 1U, Finding 48/SWMU 198	DCC Figure 3-1	The sump and trench system associated with the liquor tanks is located in the north-central part of the Finishing Mills Area. The unit was associated with piping designed to transport spent pickle solution from the Cold Sheet and Tin Mills to the pickle liquor ASTs (AOC W). Spent pickle liquor from the tanks is transported to the Tin Mill discharge location by additional piping.		*Same as previous*	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Hot Strip Mill Drum Handling Area	REC 1Y, Finding 60	DCC Figure 3-1	The Drum Handling Area is located outside of the Hot Strip Mill in from of the pump house at Truck Dock 5. As many as 150 drums of solvents, pit/sump materials, waste oils, and floor sweepings were stored in the area. Further evaluation was proposed, to determine if any releases occurred as a result of the drum storage and handling.	3	B22-128 through B22-130	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
SAH Sewer Pump Station		Drawing 5034	Investigate potential impacts related to the SAH Sewer Pump Station (potential leaks or releases).	2	B22-131 and B22-132	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Scale Pits		Drawings 5041 and 5141	Investigate potential impacts related to the scale pits (potential leaks or releases).	4	B22-133 through B22-136	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Slab Storage Area		Drawing 5135	Investigate potential impacts related to the slab storage area (potential leaks or releases).	7	B22-137 through B22-143	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')

Parcel B22 Sampling Plan Summary
Former Sparrows Point Steel Mill
Sparrows Point, Maryland

Source Area/ Description	REC & Finding/ SWMU/ AOC	Figure or Drawing of Reference	RATIONALE	Number of Locations	Sample Locations	Boring Depth	Sample Depth	Analytical Parameters: Soil Samples
Acid Tanks		Drawings 5040 and 5146	Investigate potential impacts related to acid tanks (potential leaks or releases).	4	B22-144 through B22-147	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Caustic Tanks		Drawings 5040 and 5051	Investigate potential impacts related to tanks holding caustic fluids (potential leaks or releases).	4	B22-148 through B22-151	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Fuel/Oil Tanks		Drawings 5050 and 5146	Investigate potential impacts related to fuel and oil tanks (potential leaks or releases).	4	B22-152 and B22-155	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Palm Oil Tanks		Drawings 5040, 5050, and 5146	Investigate potential impacts related to palm oil tanks (potential leaks or releases).	6	B22-156 through B22-161	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Tanks - Unknown Contents		Drawing 5040	Investigate potential impacts related to tanks containing unknown substances (potential leaks or releases).	4	B22-162 through B22-165	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Parcel B22 Coverage			Investigate potential impacts related to unknown historical activities, and characterize soil in areas not previously sampled.	8	B22-166 through B22-173	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
Pump Houses/Stations (MDE Request)		Drawings 5535, 5541, and 5551	MDE Requests. Investigate potential impacts related to pump houses and stations (potential leaks or releases).	3	B22-177 through B22-179	Total depth of 20 feet or groundwater.	0-1', 4-5', 9-10' bgs. 4-5' interval may be adjusted in the field based on observations or field screening.	VOC, SVOC, Metals, DRO/GRO, PCBs (0-1')
			Total:	179				

Soil Borings Sampling Density Requirements (from Worksheet 17 - Sampling Design and Rationale)
No Engineered Barrier (16-40 acres): 1 boring per 1.5 acres with no less than 15.
Engineered Barrier (>100 acres): 1 boring per 6 acres with no less than 20.
No Engineered Barrier (26.6 acres) = **18 borings required, 59 proposed**
Engineered Barrier (104.2 acres) = **20 borings required, 120 proposed**
Parking/Roads (39.3 acres)
Buildings (64.9 acres)

VOCs - Volatile Organic Compounds (Target Compound List)
SVOCs - Semivolatile Organic Compounds (Target Compound List)
Metals - (Target Analyte List plus Hexavalent Chromium and Cyanide)
PCBs - Polychlorinated Biphenyls
DRO/GRO - Diesel Range Organics/Gasoline Range Organics
bgs - Below Ground Surface

APPENDIX B

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-001-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 70s, Cloudy
Northing (US ft)	: 569198.8
Easting (US ft)	: 1462331.5

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-001-SB-1	(0-5.5') Silty SAND and well graded slag GRAVEL, dark brown, dry to wet, dense, non plastic, non cohesive	SW/GW	
		3.3				
	83	233.6				Heavy oil in soil from 3-4' bgs
		34.6	B22-001-SB-4			
		4.2				Wet @ 4.5' bgs
5	100	0.3		(5.5-6.5') CLAY with trace SAND, grayish green, wet, soft, cohesive, medium plasticity	CL	
		0.2				Boring refusal at 6.5 bgs
10						

Total Borehole Depth: 6.5' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-002-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 569,250.99
Easting (US ft)	: 1,462,328.46

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-002-SB-1	(0-4') Well graded SAND and GRAVEL, dark brown, dry, medium dense, non plastic, non cohesive	SW/GW	Fill material from 0-4' bgs
		19.4				
		8.5				
	87	1.6				
		1.6		(4.0-15') CLAY, brown, grayish green, moist, soft, cohesive, high plasticity, redoximorphic features present		
5		-				
		5.5				
	78	3.9	B22-002-SB-7			
		4.7				
		2.8	B22-002-SB-10		CH	
10		<0.4				
		<0.4				
	100	<0.4				
		<0.4				
		<0.4				
15		<0.4		(15-20') CLAY, tan to dark gray, wet, very soft, cohesive, high plasticity		Wet @ 15' bgs
		<0.4				
		<0.4				
	100	<0.4			CH	
		<0.4				
		<0.4				Boring terminated at 20' bgs due to water and maximum allowable depth.
20						

Total Borehole Depth: 20.0' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-003-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 70s, Cloudy
Northing (US ft)	: 569,214.36
Easting (US ft)	: 1,461,739.86

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Concrete, dry, hard	---	
		-	B22-003-SB-1	(1.0-3.0') Well graded SAND and slag GRAVEL, dark gray, moist, loose, non plastic, non cohesive	SW/GW	
	50	15.8				
		18.6	B22-003-SB-4	(3.0-4.5') Sandy SILT, light to dark brown, dry, stiff, non plastic, non cohesive	ML	
		20.0		(4.5-5.5') Silty SAND, dark brown, wet, dense, non plastic, non cohesive	SM	Wet @ 4.5' bgs
5		1.9		(5.5-10.0') CLAY, light brown to brownish orange, moist to wet, very stiff, cohesive, high plasticity, redoximorphic features present		
		2.4				
	100	2.3			CH	
		2.7				
		3.3				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-004-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 70s, Cloudy
Northing (US ft)	: B22-004-SB
Easting (US ft)	: 1,461,745.63

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Concrete, dry, hard	---	
		100.2	B22-004-SB-1	(1.0-2.0') Sandy SILT, brown, dry, very stiff, non plastic, non cohesive, redoximorphic features present	ML	
	87	126.8		(2.0-3.5') SILTY SAND, brown, moist to wet, dense, cohesive	SM	Wet @ 3.0-3.5' bgs
		86.6	B22-004-SB-4	(3.5-10.0') CLAY, brown, moist, stiff, cohesive, high plasticity, redoximorphic features present	CH	
		11.6				
5		61.2				
		44.0				
	97	45.9				
		41.0				
		27.1				
10		10.1		(10.0-15.0') CLAY, brown and gray, moist to wet, very soft, cohesive, high plasticity	CH	Wet @ 10.0' bgs
		3.6				
	100	1.9				
		2.0				
		2.1				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-005-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenbrok- Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 70s, sunny
Northing (US ft)	: 570,865.96
Easting (US ft)	: 1,462,065.80

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		0.8	B22-005-SB-1	(0-0.2') Brick GRAVEL, yellow, dry, loose, no cohesion, no plasticity	GP	
		1.7		(0.2-2.5') SILT, brown to grayish brown, trace sand and smal gravel, moist, soft, non plastic, non cohesive	ML	Small lenses of clayey silt
	100	3.5		(2.5-9) SILT, grayish brown to brown, with small gravel, dry, loose, non plastic, non cohesive		
		38.9	B22-005-SB-4			
		5.4				
5		-			ML	
		-				
	40	-				
		2.1				
		1.7	B22-005-SB-10	(9-9.5') SILT, black to olive, moist, firm, cohesive, low plasticity	ML	Large pieces of gravel/slag
					ML	
10		1.1		(9.5-10') Sandy SILT, yellowish brown, moist, soft to firm, cohesive, low plasticity	CH	Wet @ 10.5' bgs
		0.6		(10-11') CLAY, yellow and pale olive, wet, soft to firm, cohesive, high plasticity	CH	
	100	0.1		(11-12') CLAY, light olive brown with yellowish red streaks, moist to dry, firm, cohesive, high plasticity	CH	
		1.6		(12-13') CLAY, yellow and pale olive, wet, soft to firm, cohesive, high plasticity		
		1.2		(13-15') CLAY, light olive brown with yellowish red streaks, moist to dry, firm, cohesive, high plasticity	CH	
15		-		(15-17') CLAY, yellow with pale olive, wet, soft to very soft, cohesive, high plasticity	CH	
		-				
	80	-		(17-20') CLAY, yellow and pale olive and gray, dry, firm, cohesive, high plasticity		
		-			CH	
		-				Boring terminated at 20' bgs due to water.
20						

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-006-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenbrok-Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 60s, sunny
Northing (US ft)	: 570,916.62
Easting (US ft)	: 1,462,060.91

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
	70	-	B22-006-SB-1	(0-4') SILT, olive brown, dry, soft, non plastic, non cohesive	ML	
		1.3				
		1.5				Water in hole @ 3' bgs
		2.4				
		4.4		(4-6') SILT, greenish gray, with sand and gravel slag, dry, loose, non plastic, non cohesive	ML	
5		11.0				
		43.2	B22-006-SB-7	(6-10') Sandy SILT, olive, moist to wet, firm to soft, cohesive, low plasticity	ML	Wet @ 7' bgs
	100	0.5				
		0.7				
		0.6				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-007-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 568,863.21
Easting (US ft)	: 1,461,773.49

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
	82	-	B22-007-SB-1	(0-3') Well graded SAND and slag GRAVEL, dark brown, dry, very loose, non cohesive	SW/GW	Fill material from 0-10' bgs
		0.2				
		0.3				
		1.2	B22-007-SB-4	(3.0-8.5') Well graded SAND, brownish gray to light brownish green, wet, very loose, non cohesive		
		3.2				Wet @ 4.5' bgs
5		-			SW	
		0.2				
	70	0.2				
		0.3		(8.5-10') Well graded GRAVEL, gray and red, wet, very loose, non cohesive	GW	
		0.2				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10.0' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-008-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 568,946.38
Easting (US ft)	: 1,461,765.38

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-008-SB-1	(0-3.5') Well graded SAND and GRAVEL, SLAG, dark gray, dry, very loose, non cohesive		Fill material from 0-10' bgs
		2.7			SW/GW	
	93	3.4				
		2.7	B22-008-SB-4	(3.5-10.0') Well graded GRAVEL, light brown, red and bluish gray, dry to wet, non cohesive		
		0.9				Wet @ 4.5' bgs
5		-				
		-			GW	
	57	0.2				
		0.3				
		0.2				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10.0' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-009-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 90s, sunny
Northing (US ft)	: 568,922.44
Easting (US ft)	: 1,461,397.93

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-009-SB-1	(0-2.5') SILT, olive brown, with gravel slag, dry, soft, non plastic, non cohesive	ML	
		0.4				
	80	13.5		(2.5-6) Slag and SAND, brown, dry, loose, non plastic, non cohesive	SP/GP	
		1.9				
		0.3				
5		2.0	B22-009-SB-6			Wet @ 6' bgs
		37.0		(6-10') Slag, brown grading to gray, coarse to very coarse gravel sized, wet, loose, non plastic, non cohesive	SP/GP	
	100	5.0				
		-				
		-				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-010-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/23/2016
Weather	: 70s, sunny
Northing (US ft)	: 568,924.59
Easting (US ft)	: 1,461,416.35

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-0.7') Asphalt, black, dry loose, non plastic, non cohesive	-	
				(0.7-2.5') Sandy SILT, brown, dry, soft, non plastic, non cohesive	ML	
		0.4	B22-010-SB-1			
	70	5.2		(2.5-3.5') SILT, brown, dry, hard, cohesive, medium plasticity	ML	
		4.6	B22-010-SB-4	(3.5-4') Silty SAND, brown, very moist, loose, non plastic, non cohesive	SM	Wet @ 4' bgs
		0.9		(4-4.9') CLAY, brown, wet, soft, cohesive, high plasticity	CH	
5				(4.9-5.5') SAND, Poorly Graded, brown to black, wet, loose, non plastic, non cohesive	SP	
		-		(5.5-7.5') Sandy CLAY, dark grayish black, wet, very soft, cohesive, high plasticity	CH	
		-				
	100	-		(7.5-10') CLAY, very pale brown and reddish yellow mottling, dry, hard to very firm, cohesive, high plasticity	CH	
		-				
		-				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-011-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenkbrok-Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 60s, sunny
Northing (US ft)	: 570,947.85
Easting (US ft)	: 1,462,102.45

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-011-SB-1	(0-4') SILT, brown, with gravel, dry, loose, non plastic, non cohesive	ML	Little green granules at approx. 3-4' bgs
	70	0.5				
		2.1				
		7.5	B22-011-SB-4			
		4.1		(4-6.5') SAND, Well Graded, light olive brown, fine to medium grained,dry, loose, non plastic, non cohesive	SW	
5		-				
		29.9		(6.5-7.5') SILT, brown, with gravel, dry, loose, non plastic, non cohesive	ML	
	70	36.1		(7.5-10') Slag, gray, sand and gravel sized, wet, loose, non plastic, non cohesive	GP/SP	Wet @ 8' bgs
		-				
		-				
10		-		(10-14.1') Slag, dark gray, sand and gravel sized, wet, loose, non plastic, non cohesive	GP/SP	
		-				
	60	-				
		-				
		-		(14.1-15') Sandy CLAY, dark gray, with gravel, wet, cohesive, high plasticity	CH	Boring terminated at 15' bgs due to water.
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-012-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 60s, sunny
Northing (US ft)	: 570,972.06
Easting (US ft)	: 1,462,100.75

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-012-SB-1	(0-2.6') SILT, reddish brown, dry, non plastic, non cohesive	ML	
		1.8				
	80	21.4		(2.6-3') Concrete, pale yellow, dry, loose, non plastic, non cohesive	GP	
		14.1	B22-012-SB-4	(3-4') Sandy SILT with GRAVEL, loose, non plastic, non cohesive	ML	
		4.7		(4-5') SANDY GRAVEL, yellowish brown, wet, loose, no cohesion, no plasticity	GP	
5		-		(5-7') CLAY with GRAVEL, reddish yellow, moist to wet, firm, cohesive, no plasticity to high plasticity	CL/CH	
		0.0				Wet at 7' bgs
	90	0.1		(7-10') Slag and Brick, dark greenish gray, loose, non cohesive	GP	
		-				
		-				Boring terminated at 10' bgs due to water
10		-				

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-013-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26/2016
Weather	: 80s, sunny
Northing (US ft)	: 569,885.05
Easting (US ft)	: 1,461,348.69

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0					-	
		0.7	B22-014-SB-1	(0-0.1') Concrete, white, dry, loose, non plastic, non cohesive	SM	
				(0.1-0.5') Silty SAND, Poorly Graded, brown, dry to moist, loose, non plastic, non cohesive		
		1.1		(0.5-7') CLAY, pale olive, trace sand, dry, soft to firm, cohesive, high plasticity		
	100	1.4				
		1.2	B22-014-SB-4		CH	
		0.3				
5		0.8				
		1.1				
				(7-8') SAND, Poorly Graded, reddish yellow, wet, loose, no cohesion, no plasticity	SP	Wet @ 7' bgs
	100	1.1				
				(8-10') CLAY, reddish yellow, very moist to wet, soft, cohesive, high plasticity		
		0.7			CH	Saturated clay
		0.2				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-014-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26/2016
Weather	: 80s, sunny
Northing (US ft)	: 569,935.75
Easting (US ft)	: 1,461,346.17

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-014-SB-1	(0-4') Sandy SILT, light brown, dry to moist, soft, non plastic, non cohesive	ML	
	50	0.4				
		0.9				
		1.1				
		-	B22-014-SB-5	(4-5') Sandy CLAY, light brown, with large brick and gravel, very moist, soft, cohesive, high plasticity	CH	
5		0.6		(5-11.5') CLAY, light olive gray, moist to dry, firm, cohesive, high plasticity	CH	Iron staining
	100	0.3				
		0.3				
		0.6				
		0.2	B22-014-SB-10			
10		0.0				
		0.0		(11.5-15') CLAY, light olive gray to grayish brown, very moist to wet, very soft, cohesive, high plasticity	CH	Wet @ 11.5' bgs
	100	0.0				
		0.0				
		0.0				Boring terminated at 15' bgs due to water.
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-015-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26 - 5/27/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 569,547.61
Easting (US ft)	: 1,461,628.52

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-1.5') Concrete, hard, dry	-	First two boring attempts had refusal at 2' bgs
		6.8	B22-015-SB-1	(1.5-4.0') Slag, silty SAND, dark brown, dry to wet, non cohesive		
	70	5.4			SM	
		0.9	B22-015-SB-4			Wet @ 3.5' bgs
		5.7		(4.0-9.0') Poorly graded slag GRAVEL, brick and concrete, tan and red, wet, non cohesive		
5		0.1				
		0.0			GP	
	90	0.0				
		0.0				
		0.0		(9.0-10.0') Slag, silty SAND,gray, loose, non cohesive	SM	Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10.0' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-016-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, sunny
Northing (US ft)	: 569,525.14
Easting (US ft)	: 1,461,631.50

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-2') Concrete, dry, loose, non plastic, non cohesive (No recovery)	-	
		-				
	40	-	B22-040-SB-1	(2-10') Slag SAND, dark gray, with silt, dry, loose, non plastic, non cohesive		
		4.0				
		1.0	B22-040-SB-5			
5		0.1			SW-SM	Wet @ 5' bgs
		0.0				
	100	0.0				
		0.1				
		0.0				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-017-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 569,412.47
Easting (US ft)	: 1,461,702.87

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		231		(0-0.5') Concrete, dry, hard	-	
				(0.5-1.5') Slag SAND with GRAVEL and SILT, gray, tan, black, moist, cohesive, low plasticity	GM/SM	
		103.0	B22-017-SB-1	(1.5-3.0') SILT, dark brown, dry, stiff, cohesive, low plasticity	ML	
	100	47.0				
		31.0		(3.0-12.5') CLAY, tan-gray, medium stiff, moist, cohesive, medium plasticity, redoximorphic features present		
		1.2				
5		94.5	B22-017-SB-6			
		74.6				
	100	59.0			CL	
		63.7				
		53.0	B22-017-SB-10			
10		-				
		1.1				
	80	1.8				Wet @ 12.5' bgs
				(12.5-15.0') CLAY, tan, wet, soft, cohesive, high plasticity, redoximorphic features present		
		2.1			CH	
		2.2				Boring terminated at 15' bgs due to water.
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-018-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,389.68
Easting (US ft)	: 1,461,703.86

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		133.0		(0-1.0') Concrete, dry, hard	-	
		161.2	B22-018-SB-1	(1.0-2.0') Slag, SAND and GRAVEL, Well Graded, light blue, gray, wet, non plastic, non cohesive	SW/GW	
	100	95.2		(2.0-3.5') SILT, dark brown grade to tan, dry, very stiff, non plastic, non cohesive	ML	
		18.1		(3.5-10.0') CLAY, tan with coarse orange mottles, soft, dry, cohesive, low plasticity, redoximorphic features present		
		6.4				
5		93.3	B22-018-SB-6			
		69.3			CL	
	100	87.3				
		63.8				
		9.1	B22-018-SB-10			
10		1.0		(10.0-15.0') CLAY, tan, wet, very soft, cohesive, high plasticity, redoximorphic features present		Wet @ 10' bgs
		1.1				
	100	2.1			CH	
		3.8				
		4.2				Boring terminated at 15' bgs due to water.
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-019-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 80s, Sunny
Northing (US ft)	: 568,919.60
Easting (US ft)	: 1,461,949.33

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1.0') Concrete, dry, hard	-	
		7.0	B22-019-SB-1	(1.0-3.0') CLAY, tan, blue-green, dry, very stiff, cohesive, medium plasticity	CL	
	90	5.9				
		1.5		(3.0-5.5') SILT, tan-orange, dry, stiff, cohesive, low plasticity	ML	
		0.1				
5		4.0	B22-019-SB-6			
		5.0		(5.5-10.0') CLAY, tan with orange, soft, moist, cohesive, medium plasticity, redoximorphic features present	CL	
	100	3.7				
		3.2				
		2.3	B22-019-SB-10			
10		1.2		(10.0-15.0') CLAY, tan with orange, moist, medium soft, cohesive, medium plasticity, redoximorphic features present	CH	
		1.1				
	90	0.2				
		0.2				
		0.2				
15		0.2		(15.0-20.0') CLAY, tan to dark gray, wet, soft, cohesive, medium plasticity,	CH	Wet @ 15' bgs
		0.2				
		0.2				
	92	0.2				
		0.2				
		0.2				
20						Boring terminated at 20' bgs due to water.

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-020-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 80s, Sunny
Northing (US ft)	: 568,899.12
Easting (US ft)	: 1,461,954.19

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1.0') Concrete, dry, hard	---	
		-	B22-020-SB-1	(1.0-3.5') Well graded SAND and GRAVEL, slag, tan, bluish gray, dry, loose, non cohesive	SW/GW	
	70	19.0				
		22.0	B22-020-SB-4	(3.5-5.5') SILT, tan, moist, soft, cohesive, low plasticity	ML	
5		0.6				
		-		(5.5-14.5') CLAY, tan, dry, very stiff, cohesive, medium plasticity, redoximporhic features present		
		1.0				
	90	1.2				
		0.8				
		1.0	B22-020-SB-10		CL	
10		0.3				
		0.3				
	100	0.3				
		0.3				
		0.3				Wet @ 14.5' bgs
15				(14.5-15.0') CLAY, tan to gray, wet, soft, cohesive, high plasticity, redoximorphic features present	CH	Boring terminated at 15' bgs due to water.

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-021-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 80s, sunny
Northing (US ft)	: 568,951.92
Easting (US ft)	: 1,461,494.13

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Concrete, white, dry, loose, non plastic, non cohesive	-	
	80	0.4	B22-021-SB-1	(1-5.5') CLAY, very pale brown and reddish yellow mottled, dry to moist at bottom, hard to soft at bottom, cohesive, high plasticity	CH	
		0.2				
		0.2				
		0.0	B22-021-SB-5			
5		2.0		(5.5-6.5') Sandy CLAY, brown and black, wet, soft, cohesive, high plasticity	CH	Wet @ 5.5' bgs Very saturdated clay, strong odor
		0.8		(6.5-10') CLAY, very pale brown and reddish yellow mottled, dry, cohesive, high plasticity		
	100	0.6			CH	
		1.0				
		0.5				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-022-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 90s, sunny
Northing (US ft)	: 568,948.97
Easting (US ft)	: 1,461,474.47

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
	40	-		(0-3.5') Concrete, white, dry, loose, non plastic, non cohesive	-	
		-				
		-				
		3.7		(3.5-5') SAND and Slag GRAVEL, light gray, dry, loose, non plastic, non cohesive	SP/GP	
		1.0	B22-022-SB-1			Trace iron staining
5				(5-8') SAND and Slag GRAVEL, light gray to yellow, dry to wet at bottom, loose, non plastic, non cohesive		
		-				
	83	1.5	B22-022-SB-7		SP/GP	
						Wet @ 7' bgs
		0.8				Boring terminated at 8' bgs due to water.
10						

Total Borehole Depth: 8' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-023-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/23/2016
Weather	: 70s, sunny
Northing (US ft)	: 570,831.46
Easting (US ft)	: 1,461,474.47

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-0.6') Concrete, gray, sand sized, very moist, loose, non plastic, non cohesive	-	No Recovery from 0-0.7' bgs
		18.2	B22-023-SB-1	(0.6-2.3') Sandy SILT, dark greenish gray, moist, soft, cohesive, low plasticity	ML	
	87	4.7		(2.3-3.5') SILT, very dark greenish brown, dry, loose, non plastic, non cohesive	ML	
		0.9		(3.5-4') CLAY, dark grayish brown, dry, very firm, cohesive, high plasticity	CH	
		3.1		(4-4.7') CLAY, light brownish gray, very moist to wet, very soft, cohesive, high plasticity	CH	Wet at 4' bgs (perched)
5		-		(4.7-6') SILT, dark gray, dry, loose, non plastic, non cohesive	ML	
		7.8		(6-8') Sandy CLAY, light brownish gray, with brick gravel, moist, firm to soft, cohesive, medium plasticity	CL	
	80	4.9				
		92.0	B22-023-SB-9	(8-8.2') RUBBLE, pale brown, dry, loose, non plastic, non cohesive	- CL	
		376	B22-023-SB-10	(8.2-8.5') Sandy CLAY, yellowish red to yellowish brown, moist, soft, cohesive, medium plasticity		
10		-		(8.5-12') Silty SAND, Poorly Graded, dark gray, fine to coarse grained, dry, loose, non plastic, non cohesive	SP	
		-				
	60	wet		(12-15') Slag, very dark gray, sand and gravel sized, wet, non plastic, non cohesive	GP/SP	Wet @ 12' bgs
		-				
15		-				Boring terminated at 15' bgs due to water.

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-024-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/23/2016
Weather	: 70s, overcast
Northing (US ft)	: 570,798.15
Easting (US ft)	: 1,461,017.72

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-1.5') Concrete and Sandy SILT, olive brown, wet, soft, cohesive, low plasticity	GP/ML	Drilled through puddle. Driller estimated 8" of concrete at surface
		-	B22-024-SB-1	(1.5-4.5') Silty SAND, olive brown, dry to moist, loose, non plastic, non cohesive		
	50	0.5			SP	
		22.5				5" lens of orange clay, small area of bluish gray, and few large slag
		1.0	B22-024-SB-4			
				(4.5-5') Cinder ballast, black, dry, loose, non plastic, non cohesive	GP/SP	
5				(5-10') Silty SAND, olive brown, with very small gravel, wet, loose, non plastic, non cohesive		Wet @ 5.5' bgs Strong pungent odor throughout
		-				
		-				
	90	-			SM	
		-				
		-				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-025-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/23/2016
Weather	: 70s, sunny
Northing (US ft)	: 570,527.12
Easting (US ft)	: 1,460,859.86

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-2.6') Concrete, white, sand sized, dry loose, non plastic, non cohesive	-	
		1.6				
	60	1.0		(2.6-3.2') Rubble, light gray, gravel and sand sized, dry, loose, non plastic, non cohesive	GP	
		1.3	B22-025-SB-4	(3.2-4.5') Silty SAND, gray and dark yellowish brown, with rubble gravel, dry, loose, non plastic, non cohesive	SW/GP	
		0.3		(4.5-5.5') CONCRETE and RUBBLE, white and dark yellowish brown, dry, loose, non plastic, non cohesive	GP	
5	100	1.7		(5.5-6.5') CONCRETE white, dry, loose, non plastic, non cohesive	GP	Wet @ 6.7' bgs
		0.5		(6.5-6.7') SAND, Well Graded, brown, fine grained, dry, loose, non plastic, non cohesive	SW	
				(6.7-7) Sandy GRAVEL, brown, wet, loose, non plastic, non cohesive	GP/SP	Refusal at 7' bgs
10						

Total Borehole Depth: 7' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-026-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenkbrok-Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/23/2016
Weather	: 70s, sunny
Northing (US ft)	: 570,486.65
Easting (US ft)	: 1,460,880.95

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-2.2') Concrete, light gray, sand sized, dry, loose, non plastic, non cohesive	-	
		-				
	60	0.5	B22-026-SB-1	(2.2-9.5') SAND, Well Graded, dark yellowish brown very pale brown and black, with slag, medium to coarse grained, dry to moist, loose, non plastic, non cohesive	SW	Clay lenses between 2.2' and 5.0' bgs
		0.3				
		0.1				
5		-				
		-				
	60	0.3				
		2.7	B22-26-SB-9			Wet @ 9.5' bgs
		0.5		(9.5-10') CLAY, olive yellow and red, with brick gravel, wet, very soft, cohesive, high plasticity	CH/GP	Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-027-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenbrok-Niblet
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/24/2016
Weather	: 80s, sunny
Northing (US ft)	: 570,324.02
Easting (US ft)	: 1,461,074.32

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Concrete, white, dry, loose, non plastic, non cohesive	-	
		-	B22-027-SB-1	(1-7') Gravelly SILT, light brownish gray, with sand, dry to moist, loose, non plastic, non cohesive		
	80	1.5				
		0.4				
					ML	
		0.0	B22-027-SB-5			
5		-				
	100	0.1				Wet @ 7' bgs Refusal at 7' bgs
10						

Total Borehole Depth: 7' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-028-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/24/2016
Weather	: 70s, sunny
Northing (US ft)	: 570,331.43
Easting (US ft)	: 1,461,007.22

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-028-SB-1	(0-1.5') SILT, very dark brown, moist, soft, non plastic, non cohesive	ML	
		-		(1.5-3.5') CONCRETE, white, dry, loose, non plastic, non cohesive	GP	
	60	0.1				
		0.1		(3.5-7') Slag, light gray, gravel and sand sized, loose, non plastic, non cohesive	GP/SP	
		0.2				
5		-				
	100	0.1				Wet at 7' bgs Refusal at 7' bgs
10						

Total Borehole Depth: 7' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-029-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenbrok-Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/24/2016
Weather	: 80s, sunny
Northing (US ft)	: 570,350.64
Easting (US ft)	: 1,461,083.68

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-1') Concrete, white, dry, loose, non plastic, non cohesive	-	
		-	B22-029-SB-1	(1-6.9') Sandy SILT, greenish gray, with gravel, loose, non plastic, non cohesive		
	60	5.3				
		3.3				
		0.3			ML	
5		2.9	B22-029-SB-6			
	100	1.7				Wet @ 7' bgs
		3.0		(6.9-7.5') CLAY, brown, with sand, wet, very soft, cohesive, high plasticity	CH	Boring terminated at 7.5' bgs due to water.
10						

Total Borehole Depth: 7.5' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-030-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenkbrok-Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/24/2016
Weather	: 70s, sunny
Northing (US ft)	: 570,358.24
Easting (US ft)	: 1,461,031.10

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Concrete, white, dry, loose, non plastic, non cohesive	-	
		-	B22-030-SB-1	(1-4') Slag and SAND, light gray, dry, loose, non plastic, non cohesive		
	50	5.4			SP/GP	
		0.9				
		2.1	B22-030-SB-5	(4-5') SAND, loose, yellow, dry, non plastic, non cohesive	SP	
5		0.1		(5-10') CLAY, yellow, dry to moist, firm, cohesive, high plasticity		
		0.1				
	100	0.1			CH	
		0.0				
		0.1	B22-030-SB-10			
10		1.0		(10-15') CLAY, pale olive, moist, soft, cohesive, high plasticity		
		1.4				
	100	1.0			CH	
		2.0				
		1.0				
15		0.0		(15-17') CLAY, pale olive, moist, soft, cohesive, high plasticity	CH	
		0.0				
	100	0.0		(17-20') CLAY, light greenish gray, wet, very soft, cohesive, high plasticity		Wet @ 17' bgs
		0.0			CH	
20		0.0				Boring terminated at 20' bgs due to water.

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-031-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 60s, partly sunny
Northing (US ft)	: 571,099.00
Easting (US ft)	: 1,460,870.97

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		34.2	B22-031-SB-1	(0-5') Slag GRAVEL with SILT and SAND, grey-brown-black, non cohesive		
		10.5				
	80	3.2			GM	
		38.6	B22-031-SB-4			
		0.6				
5		11.2		(5-8') Slag GRAVEL with SILT and SAND and brick, grey-brown-black, non cohesive		
		6.9			GM	
	100	7.4				
		3.8		(8-9') Concrete, loose, dry	GP	
		0.4	B22-031-SB-10	(9-10') Slag GRAVEL, black, dry, loose, non cohesive	GW	
10		-		(10-15) Slag GRAVEL and SAND, wet, loose, non cohesive		
		-				
	50	-			GM	
		-				Wet at 13" bgs
		-				Musty odor
15						Boring terminated at 15' bgs due to water.

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-032-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/23/2016
Weather	: 70s, sunny
Northing (US ft)	: 570,921.79
Easting (US ft)	: 1,460,905.97

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') CONCRETE, loose, light gray, dry, non plastic, non cohesive	-	
		15.8	B22-032-SB-1	(1-2.5') SILT with SAND, loose, brown, dry, non plastic	ML	
	83	5.6		(2.5-4') Silty slag GRAVEL, loose, brown, dry to moist, non plastic	GM	
		12.1	B22-032-SB-4			
		0.4		(4-5') Silty CLAY, very firm, brown, dry, cohesive, low plasticity	CL	Iron staining Small area of grayish green
5		7.1		(5-6.5') CLAY, firm, dark greenish grey, dry, high plasticity, cohesive	CH	
		2.1		(6.5-6.6') Quartzite GRAVEL , loose, white, dry, non plastic, non cohesive	GP	
	100	5.4		(6.6'-10') CLAY, very firm, dark greenish gray, dry, high plasticity, cohesive	CH	Few large intermittent slag gravel Greenish gray mottling
		7.6				
		2.4	B22-032-SB-10			
10						

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-032-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/23/2016
Weather	: 70s, sunny
Northing (US ft)	: 570,921.79
Easting (US ft)	: 1,460,905.97

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
10		-		(10-15') CLAY, soft to very soft, light grayish olive with light olive brown mottling, moist to very moist, high plasticity, cohesive		
		-				
	70	0.2			CH	
		0.1				
		0.1				
15		-		(15-17') CLAY, very soft, dark greenish gray, wet, high plasticity, cohesive	CH	Wet at 16.5' bgs
		-				
				(17-17.3') Gravelly SAND with CLAY, dark greenish gray, wet, non plastic, cohesive	SP	
	70	-		(17.3-18') CLAY, very soft, dark greenish gray, wet, high plasticity, cohesive	CH	
		-		(18-19') CLAY, very soft, olive yellow with yellowish brown mottling, wet, high plasticity, cohesive	CH	
		-		(19-19.5') Gravelly SAND with CLAY, dark greenish gray, wet, non plastic, cohesive	SP	
20		-		(19.5-20') CLAY, very soft, dark greenish gray, wet, high plasticity, cohesive	CH	Boring terminated at 20' bgs water.

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-033-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenkbrok-Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/24/2016
Weather	: 80s, sunny
Northing (US ft)	: 570,370.05
Easting (US ft)	: 1,461,244.20

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-033-SB-1	(0-4.0') SILT with small GRAVEL, , dark yellowish brown, dry to wet, soft, non cohesive, low plasticity	ML	
	83	0.9				
		2.2				Wet at 2.5' bgs
		0.7				
		3.5		(4.0-5.0') SILT with small GRAVEL, BRICK and WOOD fragments, dark brown, wet, soft, non plastic, non cohesive	ML	
5		-		(5-10') SILT with large BRICK, GRAVEL, black, wet, soft, non plastic, non cohesive	ML	Strong odor with dark non-viscous liquid/water with sheen
	56	-				
		-				Amber material in bottom of hole
		-				Boring terminated at 9.5' bgs due to water.
10						

Total Borehole Depth: 9.5' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-034-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marehose
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/25/2016
Weather	: 80s, Sunny
Northing (US ft)	: 570,352.17
Easting (US ft)	: 1,461,250.85

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
	57	-	B22-034-SB-1	(0-3.0') SILT with small GRAVEL, brown, dry, loose, non plastic, non cohesive	ML	
		-				
		0.8				Wet @ 2.5' bgs
		12.3		(3.0-5.0') Gravelly SILT, brown, wet, soft, cohesive, low plasticity	ML	
		2.1				
5				(5.0-7.0') Sandy CLAY with small GRAVEL, brown, wet, very soft, cohesive	CH	
		-				
	100	1.7				
		0.7		(7.0-9.0') CLAY, brown, wet, very soft	CH	
		0.8				Sheen and strong odor Borehole terminated at 9' bgs due to water.
10						

Total Borehole Depth: 9' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-035-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marehose
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26/2016
Weather	: 80s, Sunny
Northing (US ft)	: 570,085.96
Easting (US ft)	: 1,461,248.51

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
	60	-	B22-035-SB-1	(0-3.5') Sandy CLAY with GRAVEL, brown, moist, loose, very soft, cohesive, medium plasticity	CL	
		-				
		94.4				
		0.6				Wet @ 3.5' bgs
				(3.5-4.0') Slag GRAVEL, gray, wet, loose, non plastic, non cohesive	GP	
		0.5		(4.0-5.0') Sandy CLAY with SLAG, brown, wet, soft, cohesive, high plasticity	CH	
5						
		-		(5-8.5') CLAY with SAND, brown, moist, very soft, cohesive, high plasticity	CH	
		-				
	60	-				Iron Staining @ 7-8.5' bgs
		-				
		-		(8.5-10.0') Slag GRAVEL with CLAY, brown, wet, loose, non plastic, non cohesive	GP	
		-				Borehole terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-036-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, sunny
Northing (US ft)	: 570,115.84
Easting (US ft)	: 1,461,299.77

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
	60	-	B22-036-SB-1	(0-3') SILT, brown, dry soft, non plastic, non cohesive	ML	
		-				
		0.5				
		0.3	B22-036-SB-4	(3-4.2') SILT, brown, moist, soft, non plastic, non cohesive	ML	
		0.7		(4.2-4.5') CONCRETE, white, dry, loose, non plastic, non cohesive	GP	Wet @ 4.5' bgs
5				(4.5-5') Sandy SILT, brown, with brick gravel, wet, soft, non plastic, non cohesive	ML/GP	
		-		(5-10') Silty GRAVEL, brown, wet, loose, non plastic, non cohesive		
		-				
	30	-			GW-GM	
		-				
		0.2				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-037-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/3/2016
Weather	: 70s, Cloudy, Light rain
Northing (US ft)	: 569,471.75
Easting (US ft)	: 1,461,309.25

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
	45	-	B22-037-SB-1	(0-7') SAND and GRAVEL with CLAY, light to dark gray, dry to wet, medium dense, non plastic, non cohesive		
		-				
		-				
		1.7			SW/GW	Wet @ 3' bgs
		1.9				
5		-				
		2.6				
	83	2.7		(7-10') CLAY, tan with orange brown mottles, wet, soft, cohesive, high plasticity, Redoximorphic Features Present		
		2.4			CH	
		6.4				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-038-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, sunny
Northing (US ft)	: 569,517.63
Easting (US ft)	: 1,461,243.11

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0	60	-	B22-038-SB-1	(0-5') SILT, dark brown, with little slage gravel, dry between 0 and 3.5', soft, non plastic, non cohesive	ML	
		-				
		2.6				
		1.4				Wet @ 3.5' bgs
		2.2				
5		-		(5-9.5') Gravelly SAND, Poorly Graded, dark brown, dry, loose, non plastic, non cohesive	SP	
		-				
		-				
		-				
		-				Boring terminated at 9.5' bgs due to water.
10						

Total Borehole Depth: 9.5' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-039-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, Sunny
Northing (US ft)	: 568,704.32
Easting (US ft)	: 1,461,770.19

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-039-SB-1	(0-2') SAND and slag GRAVEL	SW/GP	4 boring attempts at this location
		-				
	63	6.5	B22-039A-SB-3	(2-4') Poorly graded SAND, tan, moist, loose, no cohesion, no plasticity, non plastic, non cohesive	SP	Sample B22-039A-SB-3 collected from location 12' south of B22-039-SB
		422.6	B22-039-SB-4			
		92.7		(4-5') BRICK, coarse (Fill)	GP	Refusal at 5' bgs
5						
10						

Total Borehole Depth: 5' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-040-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, sunny
Northing (US ft)	: 568,695.26
Easting (US ft)	: 1,461,796.78

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-1.5') Concrete, hard, dry	-	First two boring attempts had refusal at 0.5' bgs
		-	B22-040-SB-1	(1.5-5') SAND, Poorly Graded, tan, coarse grained, dry, loose, non plastic, non cohesive		
	66	7.8				
		78.4	B22-040-SB-4		SP	
		6.4				
5				(5-10') SAND, Poorly Graded, gray green, coarse grained, wet, loose, non plastic, non cohesive		
		1.4				Wet @ 5.5' bgs
		1.2				
	90	<0.4			SP	
		<0.4				
		<0.4				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-041-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/17/2016
Weather	: 60s, Cloudy
Northing (US ft)	: 568,235.73
Easting (US ft)	: 1,461,480.51

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-041-SB-1	(0-2.5') SILTY slag GRAVEL with CLAY, brown, dry, loose, non plastic, non cohesive	GM	
		0.0				
	70	2.9		(2.5-4') Sandy slag GRAVEL with SILT and CLAY, brownish orange, moist, loose, non plastic, non cohesive	GP/SP	
		2.7				
		0.2	B22-041-SB-5	(4-5') Sandy fat CLAY, soft, brown, moist, cohesive, high plasticity	CH	
5		-		(5-7.5') Sandy lean CLAY, brownish orange, soft to firm, very moist, cohesive, medium plasticity, soil redoximorphic features present	CL	
		0.9				
	100	0.7		(7.5-9') FAT CLAY WITH SAND, dark brown, wet, very soft, cohesive, high plasticity	CH	
		0.0				
		0.0	B22-041-SB-10	(9-10') FAT CLAY WITH SAND, grayish brown, wet, soft, cohesive, high plasticity	CH	
10		-		(10-15') Fat CLAY with SAND, light grayish orange, soft to firm, moist, cohesive, high plasticity, redoximorphic features present	CH	
		-				
	20	-				
		-				
		0.0				
15		-		(15-20') Fat CLAY with SAND, light grayish orange, soft to firm, wet, cohesive, high plasticity, redoximorphic features present	CH	
		0.0				
	80	0.0				
		0.0				
		0.0				Boring terminated at 20' bgs due to maximum allowable depth.
20						

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-042-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, Sunny
Northing (US ft)	: 568,857.42
Easting (US ft)	: 1,461,553.40

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		6.9	B22-042-SB-1	(0-2') Well graded SAND and GRAVEL with trace SILT and slag, dark gray, light tan, dry, loose, fine to large, angular, non plastic, non cohesive	SW/GW	
		225.2				
	100	792.8		(2-4') SILT, hard, gray-green, dark gray, dry, non plastic, non cohesive, with WOOD fragements at 2.5'	ML	
		1247.0	B22-042-SB-4			
		358.0		(4.0-6.5') CLAY, gray-tan, moist, very stiff, cohesive, medium plasticity	CL	
5		-				
		126.3		(6.5-8.0') SAND with SILT, loose, dark brown, wet, fine grained, non plastic, non cohesive	SM	
	90	1.8				
		75.2		(8-18') CLAY, medium stiff, tan with orange mottles, moist, cohesive, high plasticity, Redoximorphic Features Present	CH	
		3.7	B22-042-SB-10			
10		1.2				
		1.1				
	100	0.8				
		0.1				
		0.1				
15		0.2				
		0.1				
	100	0.1				Wet @ 18' bgs
		0.1		(18-20') CLAY, soft, tan grading to dark gray, wet, cohesive, high plasticity	CH	
		0.1				Boring terminated at 20' bgs due to water.
20						

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-043-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/18/2016
Weather	: 60s, cloudy
Northing (US ft)	: 569,542.10
Easting (US ft)	: 1,462,083.14

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-043-SB-1	(0-1.5') Slag GRAVEL and SAND, loose, gray and dark yellowish brown, dry, non plastic, non cohesive	GW/SW	
		6.3		(1.5-2') Silty SAND grading to medium SAND, loose, brown and black, non plastic, non cohesive	SM/SP	
	90	9.8		(2-3.5') Clayey SILT, light brownish gray, moist, cohesive, low plasticity	ML	
		10.9	B22-043-SB-4	(3.5-7') CLAY, greenish gray and yellowish brown, moist, firm, cohesive, highly plastic, with some medium brown SAND between 5.5' and 7'	CH	
5		5.4				
		7.4				
		8.2				
	90	2.8		(7-10') CLAY, brown and light gray, wet, very soft, cohesive, high plasticity	CH	
		3.4				
		2.8	B22-043-SB-10			
10		0.0		(10-14') CLAY, yellowish brown, wet, very soft, cohesive, high plasticity	CH	
		0.0				
	100	0.0				
		0.0				
		0.0		(14-22.5') CLAY, dark gray, wet, soft, cohesive, high plasticity	CH	
15		0.0				
		0.0				
	100	0.0				
		0.0				
		0.0				
20		0.0				
		0.0				
	100	0.0		(22.5-23.2') SAND, dark gray, wet, medium dense, non plastic, non cohesive	SP	Wet at 22.5' bgs
		0.0		(23.2-25') FAT CLAY, ldark gray, wet, very soft, cohesive, high plasticity	CH	Boring terminated at 25' bgs due to water and installation of piezometer.
25		0.0				

Total Borehole Depth: 25' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-044-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, sunny
Northing (US ft)	: 568,784.13
Easting (US ft)	: 1,461,655.95

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-044-SB-1	(0-8') GRAVEL and SAND, well graded, dark brown gray gray-blue, dry to wet, loose, non plastic, non cohesive	GW-SW	
		4.0				
	86	9.9				
		10.7	B22-044-SB-4			
		1.6				Wet @ 4.5' bgs
5		-				
		<0.3				
	75	<0.3				
		<0.3		(8-10') CLAY, blue gray, wet, stiff, cohesive, high plasticity	CH	
		<0.3				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-045-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, sunny
Northing (US ft)	: 568,831.47
Easting (US ft)	: 1,461,581.05

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-045-SB-1	(0-3') GRAVEL and SAND, well graded, dark brown dark gray, with silt, dry, loose, non plastic, non cohesive	GW/SW	
		12.0				
	86	102.5				
						Wet @ 3' bgs
		128.4		(3-5') Silty GRAVEL, dark brown dark gray, wet, very loose, non plastic, non cohesive	GM	
		4.4				
5		-		(5-10') Silty CLAY, light brown graded to gray green, wet, soft, cohesive, medium plasticity		
		1.8				
	90	<2.2			CL	
		2.8				
		3.7				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-046-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, Sunny
Northing (US ft)	: 568,768.48
Easting (US ft)	: 1,461,689.79

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-046-SB-1	(0-4.5') Well graded SAND and slag GRAVEL, dark brown, blue-gray, gray, dry, loose, sub angular, non plastic, non cohesive		
		0.8				
	83	5.1			SW/GW	
		3.7	B22-046-SB-4			
		1.0				Wet @ 4.5' bgs
				(5.5-5') Silty CLAY, tan, wet, soft, cohesive, low plasticity	CL	
5				(5-10') Silty GRAVEL, brown, grades to dark gray, wet, large, loose, angular, non plastic, non cohesive		
		-				
		-				
	60	<0.2			GM	
		<0.2				
		<0.2				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-047-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/18/2016
Weather	: 50s, Cloudy
Northing (US ft)	: 569,511.53
Easting (US ft)	: 1,462,106.60

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		0.3	B22-047-SB-1	(0-3.2') Fine grained SAND, brown, dry, with brick/building material, red/tan, dry, non cohesive	SP	
		0.7				
	75	5.8				
		0.9		(3.2-4.2') Slag GRAVEL and fine grained SAND, gray, dry, non cohesive. Wood debris	GP	
		0.2	B22-047-SB-5	(4.2-7') Silty CLAY, gray/olive, tan mottling, dry, medium plasticity, cohesive; grading into a medium grained, gravelly SAND, tan, dry, medium plasticity, cohesive	CL/SP	
5		1.2				
		0.5				
	92	0.2		(7-9.2') Silty CLAY, soft, gray, dry, high plasticity; grading into a sandy CLAY, fine grained, stiff, gray, dry, low plasticity, tan mottling	CH/CL	
		0.2				
		0.1	B22-047-SB-10	(9.2-11') sandy to silty CLAY, very fine grained, soft, olive, moist, cohesive, high plasticity, tan mottling	CH	
10		0.1				
		0.1		(11-15.4') Silty CLAY, soft, light gray, moist, cohesive, high plasticity, tan mottling	CH	
	92	0.1				
		0.1				
		0.1				
15		0.1		(15.4-20') Silty CLAY, soft, dark gray, dry, cohesive, high plasticity	CH	No water encountered
		0.1				
	100	0.1				
		0.1				Boring terminated at 20' bgs due to maximum allowable depth.
		0.2				
20						

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-048-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/17/2016
Weather	: 50s, scattered showers
Northing (US ft)	: 568,291.32
Easting (US ft)	: 1,461,561.99

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-048-SB-1	(0-1.5') Poorly graded Slag GRAVEL and SAND, black and dark brown, dry, loose, non plastic, non cohesive	GP/SP	
		1.1		(1.5-4.5') Poorly graded Slag GRAVEL and SAND, brown and gray, dry to moist, loose, non plastic, non cohesive	GP/SP	
	80	1.2				
		5.1				
		1.7	B22-048-SB-5			
5		-		(4.5-8') LEAN CLAY, light gray and tan, moist, firm, cohesive, low plasticity	CL	
		-				
	8	-				
		-		(8-10') LEAN CLAY, light gray and tan, moist, soft, cohesive, medium plasticity	CL	
		0.1	B22-048-SB-10			
10		-		(10-15') FAT CLAY, dark brownish gray to light gray, wet, very soft, cohesive, high plasticity	CH	
		-				
	50	0.0				
		0.0				
		0.0				
15		-		(15-20') FAT CLAY, light gray and tank, wet, very soft to soft, cohesive, high plasticity, redoximorphic features present	CH	No water encountered
		-				
	70	0.0				
		0.0				
		0.0				Boring terminated at 20' bgs due to maximum allowable depth
20						

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-049-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 569,019.62
Easting (US ft)	: 1,461,130.28

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-049-SB-1	(0-2.5') Poorly graded SAND and Slag GRAVEL, very pale brown, dry, loose, non plastic, non cohesive	SP/GP	No recovery from 0-2'
		-				
	60	4.3		(2.5-2.9') CONCRETE, white, dry, loose, non plastic, non cohesive	-	
		18.4		(2.9-4.9') Poorly graded SAND and Slag GRAVEL, very pale brown, moist, loose, non plastic, non cohesive	SP/GP	Trace plastic type white fibers present @ 3' bgs
		95.9	B22-049-SB-5			
5				(4.9-5') SAND, very pale brown, wet, medium grained, loose, non plastic, non cohesive	SP	
		0.1		(5-6') Poorly graded SAND and Slag GRAVEL, very pale brown, moist, loose, non plastic, non cohesive	SP/GP	Wet @ 6' bgs
		0.4		(6-7') CLAY, pale brown to light brown, wet, soft, cohesive, high plasticity	CH	
	100	0.3		(7-10') CLAY, very pale brown, dry, hard, cohesive, high plasticity		
		6.7			CH	
		5.5				Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-050-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 569,037.43
Easting (US ft)	: 1,461,128.80

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-050-SB-1	(0-2') Sandy SILT with slag GRAVEL, soft, brown, dry, no plasticity, no cohesiveness	ML	
		2.4				
				(2-4.5') CLAY, very firm but soft in spots, pale brown, moderate cohesiveness,high plasticity		
	80	3.4			CH	
		2.2				
			B22-050-SB-4.5			
		0.1		(4.5-8.5') CLAY, very soft, pale brown, high cohesiveness,high plasticity		Wet at 4.5' bgs
5		-				
		-			CH	
	50	2.3				
		8.1		(8.5-10') Slag, gravel sized, loose, brown, wet, no plasticity		
		3.8			GP	Boring terminated at 10' bgs due to water.
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-051-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26/2016
Weather	: 80s
Northing (US ft)	: 569,651.07
Easting (US ft)	: 1,461,362.49

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Concrete, hard, dry	-	
		0.3	B22-051-SB-1	(1-2') Well graded GRAVEL Slag, loose, tan and dark brown, moist, non cohesive, small to large	GW	First attempt refusal at 2.5' bgs
	80	4.5		(2-3') Concrete, hard, dry	-	
		0.2		(3-4') CLAY, medium stiff, dark brown, moist, moderate plasticity, cohesive	CL	
		0.2		(4-7') Silty CLAY, medium soft, tan with orange mottling, moist, low plasticity, cohesive, trace sand at 6'		
5		41.3	B22-051-SB-6		CL	
		7.6				
	100	14.2		(7-10') CLAY, medium soft, orange mottled with tan, moist, moderate plasticity, cohesive		
		12.1			CL	
		3.9				
10		0.2		(10-12') Poorly graded SAND, very loose, tan, wet, fine, non cohesive		Wet at 10' bgs
		0.2			SP	
	100	0.3		(12-15') CLAY, medium soft, tan with orange and small mottles, wet, low plasticity, cohesive		
		0.4			CL	
		1.5				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-052-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,622.88
Easting (US ft)	: 1,461,368.78

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-2.0') Concrete and GRAVEL, hard, dry	-	
		-				
	70	0.3	B22-052-SB-1	(2-4') SILT, brownish gray, dry, very stiff, non plastic, non cohesive	ML	
		1.4				
				(4-4.5') Well graded SAND and GRAVEL, dark brown, wet, loose, non cohesive	SW/GW	
		0.2		(4.5-8.0') SILT, tan to gray-green, dry, very stiff, cohesive, non plastic, redoximorphic features present	ML	
5		0.3				
		1.6				
	100	8.2	B22-052-SB-8			Wet at 8' bgs
		8.5		(8.0-10.0') CLAY, tan to gray-green, wet, medium soft, cohesive, low plasticity, redoximorphic features present, some silty SAND lenses at 9' bgs	CL	
		11.2				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-053-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26/2016
Weather	: 80s, Sunny
Northing (US ft)	: 570,067.02
Easting (US ft)	: 1,461,124.93

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		0.4	B22-053-SB-1	(0-1') SILT, dark brown, moist, no cohesion, no plasticity	ML	
		3.8		(1-1.5') CONCRETE, white, dry, loose, no cohesion, no plasticity	---	
	90	2.5		(1.5-3') CLAY with trace SAND, black and brown, moist, soft, cohesive, high plasticity	CH	
		0.8		(3-6') SANDY CLAY, very moist, soft to very soft, cohesive		
		0.7			CH	
5		-				
		0.4		(6-7') CLAY, very soft, light gray to brownish yellow, very moist to wet, high plasticity, cohesive	CH	
	100	1.4	B22-053-SB-8	(7-12') CLAY, brownish yellow and light gray, dry, very firm, cohesive, high plasticity		
		0.7				
		0.2	B22-053-SB-10		CH	
10		0.0				
		0.1				
	100	0.0		(12-15') CLAY, brownish yellow and light greenish gray, wet, very soft, cohesive		Wet at 12' bgs
		0.0			CH	
		0.0				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-054-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26/2016
Weather	: 80s, Sunny
Northing (US ft)	: 570,091.44
Easting (US ft)	: 1,461,121.36

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		4.3	B22-054-SB-1	(0.0-2.0) SILT with slag, brown and gray, dry, medium dense, non plastic, non cohesive	ML	
		3.0				
	100	0.9		(2.0-5.0') SILT, dark yellowish brown to buish yellow, dry, hard, cohesive, low plasticity	ML	Iron Staining
		2.7	B22-054-SB-4			
		0.3				
5		0.7		(5.0-6.0') Clayey SILT, olive yellow, dry, hard, cohesive, low plasticity	ML	
		1.3		(6.0-7.0') Sandy CLAY, greenish gray, wet, very soft, cohesive, high plasticity	CH	
	100	0.6		(7.0-12.0') CLAY with traces of SAND, light grayish green and reddish yellow, dry to moist, firm, cohesive, high plasticity		
		0.2				
		0.2	B22-054-SB-10		CH	
10		0.1				
		0.0				Wet @ 12' bgs
	100	0.0		(12.0-15.0') CLAY, reddish yellow and gray, wet to very moist, cohesive, high plasticity		
		0.0			CH	
		0.0				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-055-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 568,578.12
Easting (US ft)	: 1,461,401.48

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-2') Concrete, loose, light gray, dry, non plastic, non cohesive	-	
		10.7				
	70	9.8	B22-055-SB-1	(2-4') Sandy SILT grading to silty SAND, loose, dark brown to black, dry, non plastic, non cohesive	ML/SM	
		2.7				
		1.0		(4-5') CLAY, soft, light gray and pale brown, moist, high plasticity, cohesive	CH	
5		-		(5-9') CLAY, soft, light gray and pale brown, moist, high plasticity, cohesive	CH	
		-				
	50	7.4	B22-055-SB-8.5			
		2.5				
		3.6		(9-10') CLAY with trace gravel, very soft, light gray, wet, high plasticity, cohesive	CH	Wet @ 9' bgs Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-056-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 568,574.44
Easting (US ft)	: 1,461,406.87

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Concrete, loose, light gray, dry, non plastic, non cohesive	-	
		14.2	B22-056-SB-1	(1-2.5') SILT, soft, black moist, non plastic, non cohesive	ML	
	70	15.3		(2.5-2.8') Slag, loose, light greenish gray, dry, non plastic, non cohesive	GP	
				(2.8-3.5') SAND with small slag, fine grained, loose, black, moist, non plastic, non cohesive	SP	
		11.2		(3.5-5') SAND and slag GRAVEL, loose, moist, non plastic, non cohesive		Iron staining
		43.1	B22-055-SB-5		GP/SP	
5		-		(5-7.5') GRAVEL slag, loose, gray, wet, non plastic, non cohesive	GP	Wet @ 7' bgs
		-				
	60	-		(7.5-10') SAND and slag GRAVEL, loose, black, wet, non plastic, non cohesive	SP/GP	
		-				
		-				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-057-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marehose
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 569,346.63
Easting (US ft)	: 1,461,367.74

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-057-SB-1	(0-2.7') CLAY with SAND, brown, moist, soft, cohesive, high plasticity	CH	
		-				
	50	0.7				
				(2.7-3.7') CONCRETE, white, loose, non plastic, non cohesive	---	
		0.1				
				(3.7-5.0') SAND with SILT, brown, moist to wet, fine to coarse, non cohesive	SW	Wet @ 4.0' bgs
		0.3				
5				(5.0-9.0') SAND, brown, wet, loose, medium to very coarse, non plastic, non cohesive		
		0.2				
		0.1			SW	
	100	0.1				
		0.6				
				(9.0-9.7') CONCRETE, white, wet, loose, non plastic, non cohesive	---	Sheen and odor
		0.7				Boring terminated at 10' bgs due to water
10				(9.7-10.0') CLAY with SAND, greenish gray, wet, very soft, cohesive, high plasticity	CH	

Total Borehole Depth: 10' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-058-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 80s, cloudy
Northing (US ft)	: 569,357.30
Easting (US ft)	: 1,461,403.06

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0					-	
		2.7	B22-058-SB-1	(0-0.2') CONCRETE, white, dry, loose, non plastic, non cohesive		
		3.2		(0.2-3') CLAY, very pale brown and reddish yellow mottled, dry, firm, cohesive, high plasticity, redoximorphic features present	CH	
	100	3.2				
		2.9		(3-5') Sandy CLAY, reddish yellow with pale brown mottling, dry, firm, cohesive, high plasticity, redoximorphic features present	CH	
		0.7				
5		1.2		(5-10') CLAY, very pale brown and reddish yellow mottled, dry, firm, cohesive, high plasticity, redoximorphic features present		
		3.0	B22-058-SB-7			
	100	2.6			CH	
		2.0				
		1.4	B22-058-SB-10			
10		-		(10-15') CLAY, light brownish gray grading to gray, very moist to wet, soft, cohesive, high plasticity		
		-				Wet @ 12' bgs
	60	0.4			CH	
		0.6				Very saturated clay
		1.5				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-059-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/23/2016
Weather	: 70s, sunny
Northing (US ft)	: 570,223.85
Easting (US ft)	: 1,460,805.68

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0				(0-0.5') CONCRETE, light gray, sand sized, moist, loose, non plastic, non cohesive	-	
		-		(0.5-7.5') Silty SAND, dark grayish brown, with slag gravel , dry, loose, non plastic, non cohesive		
		-	B22-059-SB-1			
	50	5.4				
		7.8			SM	
		2.7	B22-059-SB-4			
5						
		-				
		-				
	60	0.6		(7.5-9.5') SLAG and brick with SILT, gray brownish yellow and dark brown, with silt, moist to very moist, loose, non plastic, non cohesive		
		3.1			GP	
		0.2				Wet @ 9.5' bgs Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-060-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/23/2016
Weather	: 70s, Sunny
Northing (US ft)	: 570,200.88
Easting (US ft)	: 1,460,804.77

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0				(0-0.5') Concrete, loose, white	-	
		-		(0.5-5') Silty SAND with slag GRAVEL, loose, dark brown and bluish gray, moist to dry, non plastic, non cohesive		
		241	B22-060-SB-1			
	70	348			SM	
		20.1	B22-060-SB-4			
		2.8				
5		-		(5-8.5') Silty SAND with slag GRAVEL, loose, dark brown and bluish gray, dry, non plastic, non cohesive		
		-			SM	
	50	3.1				
		4.0		(8.5-10.0') SAND with SILT and slag GRAVEL, loose, dark brown, wet, coarse grained, non plastic, non cohesive		Wet @ 8.5' bgs
		2.3			SP	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-061-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 568,682.18
Easting (US ft)	: 1,460,991.38

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1.5') Concrete, loose, white, dry, non plastic, non cohesive	-	
		0.1				
	80	1.3	B22-061-SB-1	(1.5-2') Silty fine SAND, loose, brown, dry, non plastic, non cohesive	SP	
				(2-3') SAND and slag GRAVEL, loose, black to pale brown, moist, non plastic, non cohesive	SP/GP	
		0.4		(3-5') Silty SAND with slag GRAVEL, loose, pale brown and white, moist, non plastic, non cohesive	SP/GP	
		0.8	B22-061-SB-5			
5		-		(5-9.5') Fill and slag gravel, loose, gray and pale brown, wet, non plastic, non cohesive	GP	
		-				
	50	14.7				Wet at 7.5' bgs
		23.1				
		1.4		(9.5-10') SAND, fine to coarse, loose, black, wet, non plastic, non cohesive	SW	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-062-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/189/2016
Weather	: 60s, Partly Sunny
Northing (US ft)	: 571,142.87
Easting (US ft)	: 1,460,689.34

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		0.1	B22-062-SB-1	(0-5') Slag GRAVEL, with SILT and SAND, brown and gray, dry, loose, non cohesive		
		0.8				
	80	4.4			GM	
		3.8	B22-062-SB-4			
		0.2				
5		0.9		(5-8') Medium grained SAND, gray, dry, loose, non cohesive		
		1.6			SP	
	80	3.5				
		0.7		(8-10') Slag GRAVEL, with fine grained SAND and SILT, loose, gray to brown, dry to wet, non cohesive		
		0.8			GM	Wet at 9' bgs
10		-		(10-15') Well graded slag GRAVEL, gray/brown, wet, loose, non cohesive,		
		-				
	40	-			GW	
		1.5				
		1.0				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-063-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 70s, Cloudy
Northing (US ft)	: 569,057.38
Easting (US ft)	: 1,462,219.13

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-063-SB-1	(0-3') Well graded SAND and slag GRAVEL, subangular, loose, light brown, dry, non plastic, non cohesive	SW/GW	
		-				
	70	2.3				
				(3-4') CONCRETE, hard, dry	-	
		5.3				
				(4-5') Well graded SAND and GRAVEL, subangular, loose, light frown, dry, non plastic, non cohesive	SW/GW	
		0.7				
5				(5-8.5') Well graded GRAVEL, angular, loose, milky white and red, small to large, dry, non plastic, non cohesive	GW	
		-				
		-				
	43	-				
		8.6	B22-063-SB-9	(8.5-12') Well graded SAND and GRAVEL, loose, light tan and gray, dry to 10.5', non plastic, non cohesive		
		21.3	B22-063-SB-10			
10					SW/GW	
		1.2				Wet at 10.5' bgs
	100	0.4				Boring terminated due to water and refusal at 12' bgs

Total Borehole Depth: 12' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-064-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 569,470.20
Easting (US ft)	: 1,461,387.69

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-1') CONCRETE, loose, white, non plastic, non cohesive	---	
		-	B22-064-SB-1	(1-4') Slag, loose, white, wet, non plastic, non cohesive		
	40	-			GP	
		1.2				
		1.1		(4.0-7.0') CLAY, firm, very pale brown, dry to moist at 6', cohesive, high plasticity		
5		-			CH	
		0.7	B22-064-SB-7			
				(7.0-7.8') CLAY, very soft, pale brown, wet, cohesive, high plasticity	CH	Wet @ 7.0' bgs
	80	0.7				
				(7.8-10.0') CLAY with traces of SAND, very firm, very pale brown, dry, cohesive, high plasticity		
		0.3			CH	
		0.7				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-065-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,455.07
Easting (US ft)	: 1,461,387.50

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Concrete, loose, white, dry, non plastic, non cohesive	-	
		2.9	B22-065-SB-1	(1-2') SILT, soft, black and light gray, dry, non plastic, non cohesive	ML	
	80	4.9		(2-4.5') CLAY, firm, reddish yellow, dry, high plasticity, cohesive	CH	
		2.6				
		0.2		(4.5-5.5') CLAY, very soft, grayish brown, dry, high plasticity, cohesive	CH	
5		6.2		(5.5-10') CLAY, firm but soft at 8', gray and reddish yellow, moist, high plasticity, cohesive	CH	
		3.0	B22-065-SB-7			
	100	0.6				
		0.9				
		0.7				
10		0.1		(10-15') CLAY, very soft, gray, wet, high plasticity, cohesive	CH	Wet at 10' bgs
		0.0				
	100	0.0				
		0.0				
		0.2				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-066-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 70s, Cloudy
Northing (US ft)	: 569,086.76
Easting (US ft)	: 1,462,215.98

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-066-SB-1	(0-8') Well graded SAND and GRAVEL with SILT, loose, brown and trace red, dry, non plastic, non cohesive		
		-				
	60	9.3				
		10.4			SM/GW	
		1.1				
5		-				
		2.5				
	78	9.3				
		10.8	B22-066-SB-9	(8-9') Well graded SAND and GRAVEL, loose, milky white and tan, dry, gravel is well rounded, non plastic, non cohesive	SW/GW	
		9.8		(9-10') Poorly graded GRAVEL, large, sub-angular, loose, tan to white,	GP	
10		-		(10-14.5') CLAY, soft, brown to gray green, high plasticity, cohesive		
		-				
					CH	
	44	0.7				
		0.3				Wet at 13.5' bgs
		0.2				Boring terminated at 14.5' bgs due to water
15						

Total Borehole Depth: 14.5' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-067-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenbrok - Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 70s, Sunny
Northing (US ft)	: 570,698.50
Easting (US ft)	: 1,461,876.76

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-067-SB-1	(0-4.5') SAND and slag GRAVEL, loose, gray, dry, non plastic, non cohesive	GP/SP	
	40	- 464 665 637 -				
5				(4.5-6') Slag GRAVEL with SILT, loose, gray and yellowish brown, dry, non plastic, non cohesive	GP/GM	
		240	B22-067-SB-7	(6-6.5') Sandy GRAVEL, loose, black, very moist, non plastic, non cohesive	GP	Amber product, strong odor thin but greasy
	100	587		(6.5-7.5') CLAY, firm to very firm, greenish gray, dry, high plasticity, cohesive	CH	
		48.5		(7.5-10') CLAY, firm to very firm, light yellowish brown and light olive brown, dry, high plasticity, cohesive	CH	
10		158	B22-067-SB-10			
		-		(10-19') CLAY, very soft, yellowish brown, very moist to wet, high plasticity, cohesive		Wet at 12' bgs
	100	- - - -			CH	
15						Boring terminated at 19' bgs due to water
20						

Total Borehole Depth: 19' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-068-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenbrok-Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/25/2016
Weather	: 70s, sunny
Northing (US ft)	: 570,375.91
Easting (US ft)	: 1,462,012.96

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-068-SB-1	(0-2') Slag GRAVEL with silt, loose, gray green, wet, non plastic, non cohesive	GM	
		0.6				
	80	2.6		(2-4') SILT, very stiff, orange gray, non plastic, non cohesive	ML	
		0.6				
		0.1		(4-12') SILT, medium stiff, tan orange, non plastic, non cohesive	ML	
5		2.1	B22-068-SB-6	(12-15') SILT, soft, tan, moist to wet, low plasticity, cohesive		
		1.3				
	90	0.6				
		0.2				
		0.1				
10		-			ML	
		0.3				Wet @ 12' bgs
	80	0.1				
		0.1				
		0.2				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-069-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenbrok-Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/25/2016
Weather	: 70s, sunny
Northing (US ft)	: 570,655.90
Easting (US ft)	: 1,461,886.72

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		1.0	B22-069-SB-1	(0-2') Slag GRAVEL with coarse sand, dense, gray dark gray light brown, dry to moist, non plastic, non cohesive	GW-SW	
		70.3				
	100	52.5		(2-5') SILT, stiff, gray green and tan orange mottling, non plastic, non cohesive	ML	
		39.3	B22-069-SB-4			
		1.4				
5		10.9		(5-15') SILT, stiff to very soft, tan orange, dry to wet, non plastic, non cohesive		
		11.1				
	90	9.6				
		4.5				
		1.4	B22-069-SB-10			
10		5.1			ML	
		2.2				
	100	0.7				Wet @ 13' bgs
		0.7				
		0.1				Boring terminated at 15' due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-070-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenbrok - Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 80s, Sunny
Northing (US ft)	: 570,371.85
Easting (US ft)	: 1,462,040.19

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-070-SB-1	(0-1.5') Silty slag GRAVEL, angular, loose, gray green, wet, non plastic, non cohesive	GM	Strong petroleum odor 0.5-1.5' bgs
		128.6		(1.5-4') SILT, very stiff, tan with orange laminations, moist, non plastic, non cohesive	ML	
	90	6.2				
		13.4				
		25.4		(5-5') Silty SAND, medium dense, tan,fine grained, non cohesive	SM	Musty odor (organic) 4-5' bgs
5		-		(5-10') SILT, medium stiff, tan-gray with orange laminations, moist, low plasticity, cohesive	ML	
		-				
	50	144.8				
		145.0	B22-070-SB-9			
		85.8				
10		99.2		(10-13') CLAY, medium stiff, gray, moist, moderate plasticity, cohesive	CL	
		69.8				
	90	54.3				
		15.2		(13-15') Silty CLAY, soft, tan, wet, moderate plasticity, moderate cohesiveness	CL	Wet at 13' bgs
		0.1				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-071-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: M. Replogle, E.I.T
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/18/2016
Weather	: 60s, Sunny
Northing (US ft)	: 571,153.02
Easting (US ft)	: 1,460,687.93

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-071-SB-1	(0-3') SILT, soft, brown, dry, non plastic, non cohesive		
		1.6			ML	
	80	2.4				
		2.9	B22-071-SB-4	(3-4') SILT, firm, yellowish brown, dry, cohesive, low plasticity	ML	
		0.6		(4-5') SLAG, GRAVEL and SAND-sized, loose, non cohesive	GP/SP	Some white coating
5		-		(5-10') SLAG, GRAVEL, loose, gray to yellowish red, dry to wet, non plastic, non cohesive		
		-				
	50	0.3			GW	
		0.3				
		0.3				
10		-		(10-16') SLAG, GRAVEL and SAND-sized, loose, gray, wet, non plastic, non cohesive		Wet at 10' bgs
		-				
	27	-			GP/SP	
		0.0				
		0.0				Product present at 14.8' bgs, no odor noted, oily feel, brownish-red
15	50	0.0				Boring terminated due to refusal at 16' bgs

Total Borehole Depth: 16' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-072-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, Sunny
Northing (US ft)	: 568,683.17
Easting (US ft)	: 1,461,001.75

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-1.5') Concrete, loose, white, non plastic, non cohesive	-	
		8.0	B22-072-SB-1	(1.5-3') SILT with slag GRAVEL, soft, dark brown, dry, non plastic, non cohesive	ML	
	80	1.7				
		0.7		(3-7') Slag GRAVEL and SAND, loose, white and gray, dry to moist, non plastic, non cohesive		Soft white matrix
		0.1				
5					GP/SP	
		-				
		-				
						Wet at 7' bgs
	70	-		(7-10') Slag GRAVEL and SAND, loose, light gray to dark gray, wet, non plastic, non cohesive		
		-			GP/SP	
		-				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-073-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/17/2016
Weather	: 50s, Rainy
Northing (US ft)	: 568,974.97
Easting (US ft)	: 1,461,314.39

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Concrete, loose, light beige, sand sized, dry, non plastic, non cohesive	-	
		1.4	B22-073-SB-1	(1-3.5') Well graded SAND, loose, dark brown and black, fine to medium grained, dry, non plastic, non cohesive	SW	
	70	4.0				
		3.7		(3.5-4.2') CLAY, very soft, tan, moist, cohesive, high plasticity	CH	
		0.8	B22-073-SB-5	(4.2-4.4') Brick GRAVEL and SAND, loose, beige, non plastic	GP	
				(4.4-5') CLAY with SAND, soft, brown and dark brown, moist to wet at the bottom, high plasticity	CH	
5		-		(5-8.5) Brick GRAVEL, loose, black and beige, wet, non plastic, non cohesive	GP	Wet at 5' bgs
		-				
	50	0.4				
		1.8				Black product present, strong odor with sheen
		0.2		(8.5-9.8') Slag GRAVEL and SAND, loose, black, wet, non plastic, non cohesive	GP/SP	
10		0.0		(9.8-10') CLAY with fine slag GRAVEL, very soft, greenish biege, wet, cohesive, high plasticity	CH	
				(10-13') CLAY, soft, light biege and light orange, moist, cohesive, high plasticity		
	100	0.0			CH	
		0.0				Boring terminated at 13' bgs due to water
15						

Total Borehole Depth: 13' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-074-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016; 7/17/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,077.12
Easting (US ft)	: 1,461,314.55

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-0.5') Asphalt, loose, gray, dry, non plastic, non cohesive	-	
		0.8	B22-074-SB-1	(0.5-4.5') Fill, loose, dark reddish brown, dry, non plastic, non cohesive		
	80	0.9			GP	
		0.7				Wet at 3.5' bgs
		1.0				
				(4.5-5') CLAY, very soft to firm, light brownish gray, wet, high plasticity, cohesive	CH	
5				(5-8') CLAY, very soft, light brownish gray, wet, high plasticity, cohesive		
		3.5				
		6.8			CH	
	100	14.4				
		22.1		(8-9') Slag GRAVEL, loose, light brownish gray, wet, non plastic, non cohesive	GP	
				(9-10') CLAY, very soft, light brownish gray, wet, high plasticity, cohesive		
		0.4			CH	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-075-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,175.12
Easting (US ft)	: 1,461,933.81

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-1') Concrete, hard, dry	-	1st attempt refusal at 1' bgs
		-	B22-075-SB-1	(1-3.5') Well graded SAND and slag GRAVEL, loose, gray green and tan and dark brown, dry, non plastic, non cohesive	SW/GW	
	60	309.2				
		5.6	B22-075-SB-4	(3.5-9.5') CLAY, soft, tan, moist to 5' then wet to 9.5', high plasticity, cohesive		
		0.1				
5						Wet at 5' bgs
		-				
		-			CH	
	63	9.2				
		10.1				
		2.0				
				(9.5-10') Poorly graded slag GRAVEL, loose, gray and dark brown, wet, non plastic, non cohesive	GP	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-076-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,222.83
Easting (US ft)	: 1,461,932.23

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-2') Concrete, loose, white, dry	-	1st boring attempt had refusal at 1' bgs
		-				
	60	231.7	B22-076-SB-1	(2-5') Slag SAND, gray-brown, fine to coarse, dry to wet, non plastic, non cohesive		Wet @ 2.5' bgs
		68.7			SW	
5		0.2				Boring terminated at 5' bgs due to water
10						

Total Borehole Depth: 5' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-077-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 568,450.70
Easting (US ft)	: 1,461,454.60

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		0.3	B22-077-SB-1	(0-0.3') CLAY, soft, brownish yellow, moist, high plasticity, cohesive	CH	
				(0.3-1.5') SILT, soft, brown, dry, medium plasticity, cohesive	ML	
		0.3		(1.5-3') SILT, medium stiff, brown, dry, non plastic, non cohesive	ML	
	100	5.3				
		1.8		(3-3.7') SILT, stiff, brownish yellow and reddish yellow, dry, low plasticity, cohesive	ML	
				(3.7-5') Silty SAND and slag GRAVEL, loose, dark brown, dry, non plastic, non cohesive	SM/GM	
		1.5	B22-077-SB-5			
5				(5-6.9') SAND and slag GRAVEL, loose, gray and brown, moist then wet at 6' bgs, non plastic, non cohesive	SP/GP	Wet at 6' bgs
	100	-				
		0.3				Boring terminated due to refusal at 7' bgs
				(6.9-7') SAND, loose, very pale brown, wet, non plastic, non cohesive	SP/GP	
10						

Total Borehole Depth: 7' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-078-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/17/2016
Weather	: 50s, Rainy
Northing (US ft)	: 568,352.86
Easting (US ft)	: 1,461,441.84

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-078-SB-1	(0-3') Sandy SILT, soft, dark brown, dry, non plastic, non cohesive	ML	
	80	0.6				
		1.7				
		1.6		(3-5') CLAY with SAND and GRAVEL, firm, brown, moist, medium to high plasticity	CL-CH	
		1.1				
5		-		(5-9') CLAY, firm, light gray, moist, high plasticity, cohesive	CH	Water measured in hole at 7' bgs
		2.8	B22-073-SB-7.5			
	70	2.1				
		1.8				Wet at 9' bgs
		0.3		(9-15') Slag GRAVEL and SAND, loose, light gray and biege, wet, non plastic, non cohesive	GP/SP	
10		-				
		-				
	10	-				
		-				
		0.0				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-079-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 80s, Mostly Cloudy
Northing (US ft)	: 568,365.54
Easting (US ft)	: 1,461,559.34

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-079-SB-1	(0-9') Well graded SAND and GRAVEL, angular, medium dense, light brown and light gray and blue gray, dry, non plastic, non cohesive		
		2.2				
	80	5.0				
		2.4	B22-079-SB-4			Silt lense from 4.0-4.2' bgs
		0.7			SW/GW	Wet at 4.5' bgs
5		-				
		0.4				
	53	<0.3				
		<0.3				
		<0.3		(9-10') Silty SAND, fine grained, loose, gray and green and tan, wet, cohesive	SM	Boring terminated at 10' bgs due to refusal
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-080-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, sunny
Northing (US ft)	: 569,214.43
Easting (US ft)	: 1,461,873.35

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
	96	0.3	B22-080-SB-1	(0-1') Well graded SAND and GRAVEL, loose, light brown, medium to coarse gravel, dry, non plastic, non cohesive	SW-GW	
		0.5		(1-5') CLAY, medium stiff, tan with orange mottling, trace coarse sand (3'-5'), cohesive, medium plasticity	CL	
		1.7				
		1.9				
		0.4	B22-080-SB-5			
5						Wet @ 5' bgs
		0.2		(5-6') Poorly graded SAND, medium dense, tan orange, fine grained, wet, non plastic, non cohesive	SP	
		1.2		(6-10') CLAY, stiff, tan gray with fine mottling, moist to wet, cohesive, high plasticity	CH	
	100	0.2				
		0.2				
		0.3				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-081-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,074.30
Easting (US ft)	: 1,461,899.91

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Concrete, loose, dry	-	1st two boring attempts had refusal at 0.5' bgs
		4.1	B22-081-SB-1	(1-3.5') SILT, hard, tan grades to orange tan, dry, non plastic, non cohesive	ML	
	70	3.7				
		1.0	B22-081-SB-4	(3.5-4.5') Silty SAND, dense, light brown, fine grained, moist, non plastic, non cohesive	SM	
		0.7		(4.5-13.5') CLAY, very stiff, tan with fine to coarse orange mottling dry, cohesive, low plasticity	CL	
5		0.6				
		0.6				
	100	0.5				
		0.7				
		0.5	B22-081-SB-10			
10		0.4				
		0.4				
	100	0.4				
		0.4		(13.5-15') CLAY, soft, tan, wet, cohesive, high plasticity	CH	Wet @ 13.5' bgs
		0.4				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-082-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 70s, Mostly Sunny
Northing (US ft)	: 569,041.25
Easting (US ft)	: 1,461,904.73

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Concrete, hard, dry	-	First attempt refusal at 0.5'
		94.5	B22-082-SB-1	(1-2') CLAY, soft, tan-orange, moist, low plasticity, cohesive	CL	
	83	64.9		(2-3.5') Fine SAND, medium dense, tan-orange, moist, non cohesive	SP	
		53.9	B22-082-SB-4	(3.5-6.5') Sandy SILT, hard, tan, dry, non plastic, non cohesive	ML	
		35.3				
5		3.3				
		6.7		(6.5-10.5') CLAY, stiff, tan with fine mottling, dry, medium plasticity, cohesive	CL	
	100	8.2				
		10.8				
		6.8				
10		1.2		(10.5-15') CLAY, soft, tan with fine mottling to 13'5' then dark gray, wet, high plasticity, cohesive	CH	Wet at 10.5' bgs
		0.6				
	100	0.6				
		0.6				
		0.3				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-083-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,069.15
Easting (US ft)	: 1,461,961.69

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Concrete, hard, dry	-	
		-	B22-083-SB-1	(1-3') Well graded SAND and slag GRAVEL, fine to large, loose, blue gray, dry, non cohesive	SW/GW	
	63	0.4				
		0.3	B22-083-SB-4	(3-4.5') CLAY, medium stiff, tan with fine orange mottles, moist, medium plasticity, cohesive	CL	Wet at 4' bgs
		0.3				
5		0.4		(4.5-6.5') Well graded SAND and slag GRAVEL, loose, dark brown, wet, non cohesive	SW/GW	
		0.7		(6.5-10') CLAY, soft, tan with coarse mottles, moist, high plasticity, cohesive		
	87	0.3				
		0.3			CH	
		0.3				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-084-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,721.90
Easting (US ft)	: 1,461,547.01

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0	60	-		(0-3') Concrete and subbase, hard, dry	-	Refusal at original location
		-				
		5.1				
		7.0	B22-084-SB-1	(3-4') Well graded SAND with slag GRAVEL, coarse sand to coarse gravel, loose, light blue and tan, moist, non cohesive	GW/SW	
		22.5		(4-5') Well graded gravel and cobbles, slag, sized, loose, blue gray and tan, wet, large sub-rounded quartz cobbles	GW	Saturated at 4' bgs
5		7.6		(5-7.5') SILT, medium soft, tan, wet, cohesive, low plasticity	ML	
		22.6				
	100	15.6		(7.5-10') SILT, soft, tan with orange mottles, wet, low plasticity, cohesive, little medium grained sand in lenses thinly bedded	ML	
		8.3				
		3.6				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-085-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,748.69
Easting (US ft)	: 1,461,461.72

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-2') Concrete and subgrade fill, hard, dry	-	1st attempt refusal at 5' bgs 2nd attempt refusal at surface 3rd attempt refusal at surface Logging and samples taken from 1st location
		-				
	60	9.1	B22-085-SB-1	(2-4.5') Slag GRAVEL, loose, red, dark gray, black, tan, large subangular gravel, dry, non cohesive, wood debris and brick	GM	
		23.8				4.5-5' Organic odor, musty
		5.4				Refusal at 5' bgs due to water
				(4.5-5') Silty GRAVEL, loose, dark gray and tan, wet, non cohesive	GM	
5						
10						

Total Borehole Depth: 5' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-086-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,706.39
Easting (US ft)	: 1,461,462.18

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1.5') Concrete, hard, dry, some gravel subbase	-	1st moved due to large puddle 2nd attempt refusal at 5' bgs
	90	1.5 1.3 0.8	B22-086-SB-1	(1.5-4.5') SILT, hard, gray and tan with orange brown mottles, dry, non plastic, non cohesive	ML	
		0.8	B22-086-SB-5			
5		1.4		(4.5-5.5') Silty CLAY, medium soft, dark brown, moist, medium plasticity, cohesive	CL	
	100	1.3 0.6 0.3		(5.5-12.5') CLAY, soft, tan and gray green with orange mottles, moist, medium plasticity, cohesive, fine loose sand lense at 7.5' in clay matrix	CL	
		0.5	B22-086-SB-10			
10		0.2 0.2				
	100	0.2 0.2 0.2		(12.5-15') CLAY, soft, orange brown, moist, medium plasticity, cohesive, fine loose sand lense at 7.5' in clay matrix	CL	
15		0.2 0.2		(15-20') CLAY, very soft, dark gray, moist to wet, medium plasticity, cohesive		
	100	0.2 0.2 0.2			CL	Wet at 17.5' bgs
20						Boring terminated at 20' bgs due to water and maximum allowable depth

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-087-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenbrok - Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/25/2016
Weather	: 70s, Sunny
Northing (US ft)	: 570,151.03
Easting (US ft)	: 1,462,127.76

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		1.1		(0-1') Asphalt, hard, dry	-	
		0.4	B22-087-SB-1	(1-4') Well graded slag GRAVEL, loose, gray-tan-white-rose, dry, non cohesive		
	70	-			GW	Metal debris
		1.6				
		0.4	B22-087-SB-5	(4-13.5') SILT, very stiff, orange-tan, dry except moist at 8-9', non plastic, non cohesive, mottled		
5		0.1				
		0.1				
	100	0.1				
		0.1			ML	
		0.1	B22-087-SB-10			
10		0.4				
		0.3				
	100	0.2				
		0.2				Wet at 13.5' bgs
		0.1		(13.5-20') CLAY, soft, orang-tan grades to dark gray at 18.5-20', wet, medium plasticity, cohesive		
15		0.2				
		0.2			CL	
	100	0.1				
		0.1				
		0.1				Boring terminated at 20' bgs due to water
20						

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-088-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenbrok - Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/25/2016
Weather	: 70s, Sunny
Northing (US ft)	: 570,205.39
Easting (US ft)	: 1,462,098.17

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		1.5		(0-1') Asphalt, loose, dry, non plastic, non cohesive	-	
		0.5	B22-088-SB-1	(1-10') Well graded slag GRAVEL and SAND, loose, gray, fine to coarse, dry to wet, non plastic, non cohesive		
	35	-				
		-				
		-				
5		-	B22-088-SB-6		GW-SW	
		-				
	70	1.3				Wet @ 8' bgs
		0.4				
		0.2				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-089-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenbrok-Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/25/2016
Weather	: 70s, Sunny
Northing (US ft)	: 570,208.58
Easting (US ft)	: 1,462,171.94

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Asphalt, loose, dry	-	
	80	0.3	B22-089-SB-1	(1-6.5') Well graded slag GRAVEL and SAND, loose, gray and tan, dry, non plastic, non cohesive, some brick material	GW-SW	
		2.5				
		2.2				
		1.4	B22-089-SB-5			
5	100	0.1				Wet @ 5.5' bgs
		0.1				Boring terminated due to refusal at 6.5' bgs
10						

Total Borehole Depth: 6.5' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-090-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,681.20
Easting (US ft)	: 1,461,175.34

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0	80	-		(0.1.2') Asphalt, loose, light gray, dry, non plastic, non cohesive	-	
		48.7	B22-090-SB-1	(1.2-1.9') SILT with fine slag GRAVEL, soft, brown, non plastic, non cohesive	ML	
		10.1		(1.9-2.5') CLAY, firm, light yellowish brown, dry, cohesive, high plasticity	CH	
				(2.5-3') Slag GRAVEL and SAND, loose, light yellowish brown, dry, non plastic, non cohesive	GP/SP	
		7.6		(3-3.4') CLAY, soft, light yellowish brown, very moist, cohesive, high plasticity	CH	
				(3.4-4) Slag GRAVEL, loose, gray, wet, non plastic, non cohesive	GP	Wet @ 5' bgs
5		3.2	B22-090-SB-5	(4-5') CLAY, soft to very soft at bottom, light yellowish brown, very moist to wet at bottom, cohesive, high plasticity	CH	Boring terminated at 5' bgs due to water
10						

Total Borehole Depth: 5' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-091-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 569,135.58
Easting (US ft)	: 1,461,153.26

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0				(0-0.2') Asphalt, loose, black, dry,	-	
		-	B22-091-SB-1	(0.2-1.5') SILT, soft, dark brown, dry, non plastic	ML	
		0.3		(1.5-2.5') SILT, firm, dark brown, dry, low plasticity, cohesive	ML	
	70	1.0		(2.5-3') SAND with slag GRAVEL, coarse, dark brown and gray, dry, non plastic, non cohesive	SP	
		21.1	B22-091-SB-4	(3-4') CLAY, firm, brown to pale brown, dry to moist, medium plasticity, cohesive	CL	
		67.7		(4-4.5') CLAY, very soft, pale brown, wet, high plasticity, cohesive	CH	
				(4.5-5') CLAY, very soft, pale brown, dry, high plasticity, cohesive	CH	
5		3.4		(5-6') CLAY, very soft, brown, wet, high plasticity, cohesive	CH	Wet at 5' bgs Very saturated clay
		26.5		(6-8') Sandy CLAY, firm, very pale brown, moist, medium plasticity, cohesive	CL	Very saturated clay
	100	9.9				
		16.6		(8-10') CLAY, hard, very pale brown, dry, high plasticity, cohesive	CH	
		10.3				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-092-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 569,135.58
Easting (US ft)	: 1,461,153.26

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0				(0-0.5') Asphalt, loose, dark gray, dry, non plastic	-	
		-				
		-	B22-092-SB-1	(0.5-4') SAND with small slag GRAVEL, fine to medium sand, pale brown, dry, non plastic, non cohesive		
	60	6.3			SW	
		4.0	B22-092-SB-4			
		2.5		(4-10') SAND and slag GRAVEL, loose, pale brown, dry to wet, non plastic, non cohesive		
5		-				
		0.0			SW/GP	Wet at 7' bgs
	80	56.4				
		0.4				
		0.8				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-093-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 569,155.72
Easting (US ft)	: 1,461,207.78

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-093-SB-1	(0-2.5') SILT, firm, pale brown, dry, low plasticity, cohesive	ML	
		0.4				
	70	0.3		(2.5-2.8') SAND and slag GRAVEL, loose, black, moist, non plastic, non cohesive	GP/SP	Iron staining
		0.1		(2.8-5') CLAY, firm, pale brown and reddish yellow, dry, medium plasticity, cohesive	CL	
		0.0	B22-093-SB-5			
5		0.1		(5-6') CLAY, firm, light grayish green, moist, medium plasticity, cohesive	CL	
		0.8		(6-10') CLAY, very firm, light gray and pale brown, dry, medium plasticity, cohesive	CL	Iron staining
	100	0.7				
		0.8				
		0.5				
10		-	B22-093-SB-10	(10-14') CLAY, firm, pale brown, moist, high plasticity, cohesive	CH	
		0.0				
	100	0.0				
		0.0				Wet at 14' bgs
		0.0		(14-15') CLAY, very soft to soft, pale brown, very moist to wet, high plasticity, cohesive		Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-094-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,655.95
Easting (US ft)	: 1,461,167.01

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0	70	-	B22-094-SB-1	(0-2.5') SILT with sand, soft, dark brown, dry, non plastic, non cohesive	ML	
		3.2				
		1.7		(2.5-3.5') CLAY, firm, pale olive, dry, cohesive, high plasticity	CH	
		1.0	B22-094-SB-4	(3.5-5') CLAY, soft to very soft, pale olive, very moist to wet at bottom, cohesive, high plasticity	CH	
5		0.3				Wet @ 5' bgs Boring terminated at 5' bgs due to water
10						

Total Borehole Depth: 5' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-095-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/3/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 569,706.33
Easting (US ft)	: 1,461,130.23

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-095-SB-1	(0-1.5') SAND and GRAVEL, loose, red and very pale brown, dry, non plastic	SW/GW	
		-		(1.5-2.5') SILT grading to sandy SILT, soft, brown, dry, non plastic, non cohesive	ML	
	60	0.4		(2.5-4') SILT, firm, pale brown, moist, low plasticity, cohesive	ML	
		0.6				
				(4-4.5') Concrete, loose, gray, dry, non plastic, non cohesive	GP	
		0.8		(4.5-5') Slag GRAVEL, loose, pale brown, wet, non plastic, non cohesive	GP	
5						
		3.7	B22-095-SB-6	(5-7.5') CLAY, very firm, pale brown and reddish yellow, moist, high plasticity, cohesive	CH	
		-				
	100	-		(7.5-7.6') SAND, loose, pale brown, wet, non plastic, non cohesive	SP	
				(7.6-9') CLAY, very firm, pale brown and reddish yellow, moist, high plasticity, cohesive	CH	
		-				
				(9-10') CLAY, very soft to very firm, very pale brown and reddish yellow, wet, high plasticity, cohesive	CH	Wet at 9' bgs
		0.7				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-096-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/24/2016
Weather	: 70s, Sunny
Northing (US ft)	: 570,199.89
Easting (US ft)	: 1,460,989.45

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Concrete, loose, white, dry, non plastic, non cohesive	-	
		-	B22-096-SB-1	(1-3.7) Sandy SILT with large CLAY lenses, loose, very dark brown and yellowish brown, with large clay lenses, dry, non plastic, non cohesive	ML	
	60	0.2				
		0.4				
		0.4		(3.7-4.5') Sandy SILT, soft, very dark brown, moist, cohesive, low plasticity	ML	
		0.4		(4.5-5') Poorly graded silty SAND, loose, very dark brown, medium grained, very moist to wet, non plastic, non cohesive	SP	
5		0.1		(5-5.7') CLAY, soft, light yellowish brown, very moist, cohesive, high plasticity	CH	
		0.7		(5.7-10') CLAY, very firm to hard, light brownish gray and brownish yellow, dry, cohesive, high plasticity		
	100	0.1			CH	
		0.9	B22-096-SB-9			
		0.5	B22-096-SB-10			
10		-		(10-13.5') CLAY, firm, olive yellow and yellowish red, dry to moist, cohesive, high plasticity	CH	
		0.0				
	80	0.0				
		0.0		(13.5-15') CLAY, very soft, brownish yellow, wet, cohesive, high plasticity	CH	Wet @ 13.5' bgs
		0.0				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-097-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/24/2016
Weather	: 70s, Sunny
Northing (US ft)	: 570,251.29
Easting (US ft)	: 1,460,906.79

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1.5') Concrete, loose, white, dry	-	
		-	B22-097-SB-1	(1.5-5') Sandy SILT, soft, very dark brown, dry, non plastic, non cohesive	ML	
	40	-				
		7.9				
		3.0				Dark gray gravel at 4.8' bgs
5		-		(5-9') Sandy SILT with few slag GRAVEL, soft, very dark brown, dry to wet at bottom, non plastic, non cohesive	ML	
		0.7				
	50	2.2				
		5.3	B22-097-SB-9			Wet @ 9' bgs Boring terminated at 9' bgs due to water
10						

Total Borehole Depth: 9' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-098-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/24/2016
Weather	: 70s, Overcast
Northing (US ft)	: 570,161.66
Easting (US ft)	: 1,460,922.29

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-2') Concrete, loose, white, dry, non plastic	-	
		-				
	70	16.2	B22-098-SB-1	(2-2.7') Silty SAND, medium grained, loose, light yellowish brown and dark brown, non plastic, non cohesive	SM	
		8.3	B22-098-SB-4	(2.7-4') Slag GRAVEL with SAND, loose, gray and dark brown, dry, non plastic, non cohesive	GP/SC	
		0.6		(4-5') SILT with SAND, soft, very dark brown, dry, non plastic, non cohesive	ML	
5		0.1		(5-6') Slag GRAVEL and coarse SAND, loose, very dark brown, non plastic, non cohesive	GP/SP	
		0.7		(6-7') CLAY, soft, reddish yellow, moist, high plasticity, cohesive	CH	
	100	0.7		(7-10') CLAY, firm, reddish yellow, dry, high plasticity, cohesive	CH	
		0.5				
		0.4				
10		-	B22-098-SB-10	(10-15') CLAY, soft grading to firm, reddish yellow, dry, high plasticity, cohesive	CH	
		-				
	60	0.0				
		0.0				
		0.0				
15		0.0		(15-17') CLAY, firm to soft, reddish yellow, moist, high plasticity, cohesive	CH	
		0.0				
	100	0.0		(17-20') CLAY, very soft, light gray and reddish yellow, wet, high plasticity, cohesive	CH	Wet at 17' bgs
		0.0				
		0.0				Boring terminated at 20' bgs due to water
20						

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-099-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 50s, Cloudy
Northing (US ft)	: 571,229.98
Easting (US ft)	: 1,460,865.14

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		0.8	B22-099-SB-1	(0-3') Slag GRAVEL, loose, non cohesive, mixed with SILT and SAND, CLAY, soft, orangish brown, dry, high plasticity		Refusal on first 3 attempts
		8.2			GC	Wet at 1.5' bgs (perched)
	83	7.2				
		2.5		(3-15') Slag GRAVEL, with SILT and SAND, Brick, red/tan, dry, non cohesive		
		0.7				
5		6.1				
		17.1	B22-099-SB-7			
	83	11.7				
		10.0				
			B22-099-SB-9.5		GM	
		0.0				
10		60.9				Red brick/degris at 10' bgs
						Odor below 11' bgs
		51.7				Wet at 11.5' bgs due to water
	100	114.9				Some visual signs of contamination (10-15') bgs
		197.0				
		-				
15						Boring terminated at 15' bgs

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-100-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 60s, Partly Sunny
Northing (US ft)	: 571,254.10
Easting (US ft)	: 1,460,835.03

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		0.4	B22-100-SB-1	(0-5') Slag GRAVEL with SILT and SAND, loose, gray to black to brown, dry, non cohesive		
		39.0				
	80	11.0			GM	
		9.5				
		0.4				
5		452	B22-100-SB-6	(5-10') Slag GRAVEL with SILT and SAND, loose, gray to brown, dry, non cohesive, intermixed with tan brick		
		7.6				
	90	18.8			GM	
		0.7				
		0.4	B22-100-SB-10			
10		0.6		(10-12') Slag GRAVEL, gray, dry, loose, non cohesive	GM	
		0.4				
	100	0.2		(12-13.5') Silty/Sandy CLAY, black/brown/olive, wet, cohesive, low to high plasticity	CL	Wet at 12'bgs Sweet odor
		1.4		(13.5-15') Slag GRAVEL with SILT and SAND, gray, dry, brown to black, non cohesive	GM	
15		1.3				Boring terminated at 15' bgs due to water

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-101-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 70s, Partly Sunny
Northing (US ft)	: 570,716.76
Easting (US ft)	: 1,461,177.32

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-101-SB-1	(0-4') Brick/concrete GRAVEL with sitly CLAY, tan/brown, loose, dry, non cohesive	GC	
	80	9.7				
		7.8				
		4.8				
		0.0	B22-101-SB-5	(4-5') Silty CLAY with GRAVEL, soft to medium stiff, olive-brown and black staining throughout, medium plasticity, cohesive, some gray and yellowish brown mottling	CL	Black staining at (4-4.5') bgs
5		0.4		(5-10') Concrete GRAVEL with brick and glass, traces of silt and sand, brown tan and black, non plastic, non cohesive		
		1.5				
	90	0.9			GW	
		1.2				
		0.0				Wet at 9' bgs Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-102-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 70s, Partly Sunny
Northing (US ft)	: 570,716.56
Easting (US ft)	: 1,461,172.85

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		2.9	B22-102-SB-1	(0-3.5') Brick and slag GRAVEL with some SILT and SAND, dry, loose, non cohesive	GW	
		2.1				
	90	2.7				Tan to white brick
		0.1				Wet at 3.5' bgs (perched)
				(3.5-5') Silty CLAY with GRAVEL, medium stiff, olive yellowish brown with black staining throughout, dry, medium plasticity, cohesive, some gray mottling	CL	
		0.0	B22-102-SB-5			
5		-		(5-10') GRAVEL with brick and glass, some SILT and SAND, loose, brown tan and black, moist to wet, non plastic, non cohesive		
		0.9				
	60	0.2			GP	Wet at 7.5' bgs
		0.5				
		0.0				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-103-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,121.98
Easting (US ft)	: 1,461,454.86

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-103-SB-1	(0-0.9') CLAY with SAND, very soft, dark grayish brown, very moist, cohesive, high plasticity	CH	
				(0.9-1.4') Concrete, loose, white, dry, non plastic, non cohesive	GP	
		4.5		(1.4-4') CLAY with trace SAND, very firm, very pale brown, dry, cohesive, high plasticity	CH	
	87	5.1				
		8.8	B22-103-SB-4			
		2.4		(4.0-8.8') CLAY, soft, very pale brown, very moist, cohesive, high plasticity	CH	(5-8') NO RECOVERY
5		-				
		-				
	30	-				
		21.9				
				(8.8-9.5') Concrete and brick, loose, white and yellow, dry, non plastic, non cohesive	GP	Wet @ 9.5' bgs
		14.1		(9.5-10.0') CLAY, very soft, bluish gray and dark gray, wet, cohesive, high plasticity	CH	Odor and black streaks at 9.5' bgs Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-104-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,321.57
Easting (US ft)	: 1,461,474.45

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0				(0-0.5') Concrete, loose, white, non plastic, non cohesive	---	
		-				
		-	B22-104-SB-1	(0.5-3.0') SAND with slag GRAVEL,loose, black, moist, non plastic, non cohesive		
					SP	
	60	9.0				
		5.1	B22-104-SB-4	(3.0-4.0') CLAY, hard, very pale brown, dry, cohesive, high plasticity	CH	
				(4.0-5.5') Sandy CLAY, very soft, olive, wet, cohesive, high plasticity		Wet @ 4' bgs
		0.3			CH	
5		0.5		(5.5-9.1') CLAY with some SAND, very firm, moist, cohesive, high plasticity		
		0.2				
	100	0.5			CH	
		0.5				
				(9.1-9.3') Sandy CLAY, very soft, pale brown, wet, cohesive, medium plasticity	CL	
		0.4		(9.3-10.0') CLAY with SAND, firm to soft, pale brown, moist, cohesive, medium plasticity	CL	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-105-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,213.46
Easting (US ft)	: 1,461,487.73

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1') Concrete, loose, white, dry	-	
		16.0	B22-105-SB-1	(1-4') CLAY, very firm, pale brown and yellowish red mottling, dry, high plasticity, cohesive		
	80	25.2			CH	
		22.2	B22-105-SB-4			
		1.9		(4-4.4') Sandy CLAY, soft, brown, moist, high plasticity, cohesive	CH	
				(4.4-5') CLAY, very firm, pale brown and yellowish red mottling, dry, high plasticity, cohesive	CH	
5		1.7		(5-10') CLAY, sandy in spots, hard to very firm, pale brown and reddish yellow mottling, dry, high plasticity, cohesive		
		2.8				
	100	2.8			CH	
		2.7				
		2.2	B22-105-SB-10			
10		0.1		(10-13') CLAY, sandy in spots, soft to firm, pale brown and reddish yellow mottling, dry, high plasticity, cohesive		
		0.2			CH	
	100	0.0				
		0.0		(13-15') CLAY, very soft, brownish yellow, very moist to wet, high plasticity, cohesive		Wet @ 13' bgs
					CH	
		0.0				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-106-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/25/2016
Weather	: 80s, Sunny
Northing (US ft)	: 570,437.30
Easting (US ft)	: 1,461,400.00

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-2') Concrete, loose, white, dry	-	
		77.1				
	80	6.7	B22-106-SB-1	(2-5') CLAY with trace sand, very soft to firm, olive yellow, very moist to dry, high plasticity, high plasticity, cohesive	CH	
		1.6				
		0.4				
5		-		(5-9.8') CLAY with trace sand, very soft, olive yellow, very moist, high plasticity, high plasticity, cohesive	CH	
		-				
	50	5.6	B22-106-SB-8.5			
		1.1				
		1.1				
10		-		(9.8-17') SAND, loose, black, wet, non plastic, non cohesive	SP	Wet @ 10' bgs Strong odor PID 5.6 in shoe - possible product
		-				
	10	-				
		-				
		3.4				
15	0	-				Boring terminated at 17' bgs due to water
		-				

Total Borehole Depth: 17' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-107-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26/2016
Weather	: 80s, Sunny
Northing (US ft)	: 570,111.32
Easting (US ft)	: 1,461,422.39

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-107-SB-1	(0-5') CLAY with trace sand, very firm, very pale brown, dry, high plasticity, cohesive		
		0.2				
	87	0.2			CH	
		0.2				
		0.3	B22-107-SB-5			
5		0.2		(5-12.5') CLAY with trace sand, slightly soft, very pale brown, moist, high plasticity, cohesive		
		0.2				
	100	0.4				
		0.6			CH	
		0.3	B22-107-SB-10			
10		-				
		0.1				
	80	0.0				Wet @ 12.5' bgs
		0.0		(12.5-15') CLAY, very soft, very pale brown, very moist to wet, high plasticity, cohesive	CH	
		0.0				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-108-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,897.81
Easting (US ft)	: 1,461,453.97

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-0.5') Concrete, loose, white, non plastic, non cohesive	-	
		-	B22-108-SB-1	(0.5-4.0') Sandy SILT with slag GRAVEL, loose, light gray to brown, dry, non plastic, non cohesive		
	60	1.1			ML	
		1.0				
		2.9	B22-108-SB-5	(4.0-5.0') Sandy SILT with slag and brick GRAVEL, loose, light gray to brown, dry, loose, non plastic, non cohesive	ML	
5		-		(5-9.1') CLAY, very soft, light brown, very moist to wet, cohesive, high plasticity		
		-			CH	
	30	-				
		3.4				Wet @ 8.5' bgs
		15.8		(9.1-10.0') SAND with large CLAY lenses, wood fragments, loose, black, wet, cohesive, non plastic	CL	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-109-SB

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 70s, Sunny
Northing (US ft)	: 570,707.96
Easting (US ft)	: 1,461,383.70

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-1') Concrete GRAVEL, dry, loose	-	
		16.8	B22-109-SB-1	(1-4.5') Silty CLAY with intermixed gravelly CLAY, soft, yellowish brown with olive mottling, dry, medium plasticity, cohesive		
	60	8.4			CL	
		11.1				
			B22-109-SB-4.5			
		3.4				Wet at 4.5' bgs
				(4.5-5') Slag GRAVEL, loose, gray, wet, non cohesive	GP	Pungent odors and black staining
5				(5-8') Slag GRAVEL, gray, some wood, loose, wet, non cohesive		
	50	-				
		28.8			GP	
		0.5				Boring refusal at 8' bgs due to water
10						

Total Borehole Depth: 8' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-110-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 70s, Sunny
Northing (US ft)	: 570,649.62
Easting (US ft)	: 1,461,234.41

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		1.4		(0-1') Concrete	-	
		2.3	B22-110-SB-1	(1-4') Slag GRAVEL, loose, dry, non cohesive, with brick and concrete with trace SILT and SAND	GW	
	90	2.0				
		23.8	B22-110-SB-4			
		0.5		(4-4.5') Slag GRAVEL with CLAY, gray/brown, dry, non cohesive	GC	
				(4.5-5') Slag GRAVEL and brick, dry, non cohesive, minor CLAYs, brown, dry, cohesive,	GC	
5		0.2		(5-6') GRAVEL, SILT and SAND, brown with black staining, dry, non cohesive,	GM	
		1.0		(6-7') Silty CLAY with GRAVEL, brown, dry, stiff, low plasticity, cohesive, with dark gray mottling	CL	
	100	0.0		(7-10') Silty CLAY, soft, gray to olive, high plasticity, cohesive, with black staining throughout		Wet at 7' bgs Minor odor
		0.1			CH	
		0.2				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-111-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/25/2016
Weather	: 80s, Sunny
Northing (US ft)	: 570,453.91
Easting (US ft)	: 1,461,528.70

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-111-SB-1	(0-2.5') Silty CLAY, hard, brownish yellow, dry, medium plasticity, cohesive	CL	
		0.1				
	80	0.1		(2.5-5') CLAY, hard to very firm, brownish yellow, dry, high plasticity, cohesive	CH	
		0.1				
		0.1				
5		0.5		(5-8') CLAY, trace sand, soft to very soft, pale olive and pale greenish gray, very moist, high plasticity, cohesive	CH	Very saturated
		6.2				
	100	9.1	B22-111-SB-8			Product present, slight sheen, light to moderate odor Wet at 8' bgs
		2.5		(8-9.2') Slag GRAVEL, loose, black, wet, non plastic, non cohesive	GP	
		0.6		(9.2-10') CLAY, trace sand, very firm, pale olive and pale greenish gray, dry, high plasticity, cohesive	CH	
10		-		(10-20') CLAY, very soft, light grayish olive, very moist, high plasticity, cohesive		
		-				
	100	0.1				
		0.1				
		0.1				
15		-			CH	
		-				
	100	-				
		-				
		-				Boring terminated at 20' bgs due to water and maximum allowable depth
20						

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-112-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 50s, Sunny
Northing (US ft)	: 570,989.81
Easting (US ft)	: 1,461,314.91

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		0.0	B22-112-SB-1	(0-2') GRAVEL with SILT, SAND and trace CLAY, loose, brown, olive and yellowish brown, dry, non plastic, non cohesive	GM	
		0.1				
	90	2.2		(2-4') Slag GRAVEL with silty CLAY, stiff, gray to olive with some yellowish orange, dry, medium plasticity, cohesive	GC	
		4.2	B22-112-SB-4			
		15.8		(4-5') Concrete, SILT, SAND, Silty CLAY, CLAY soft, olive gray, yellowish brown, dry, low plasticity, cohesive	GC	
5		1.4		(5-10') GRAVEL, tan sandstone brick, SILT, SAND, and minimal CLAY, brown, moist, low cohesion, low plasticity		
		-				Wet at 14' bgs
	40	0.2			GW	
		0.4				
		2.4	B22-112-SB-10			
10		-		(10-15') GRAVEL, silty CLAY, CLAY, Soft, medium plasticity, cohesive, gray CLAY with heavy black staining throughout		
		-				
	20	-			GC	
		-				
		0.4				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-113-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 60s, Sunny
Northing (US ft)	: 570,986.44
Easting (US ft)	: 1,461,454.81

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-113-SB-1	(0-2') Gravelly SILT, brown to black, dry, non plastic, non cohesive	ML	1st attempt refusal
		0.1				
	70	12.6		(2-2.5') Concrete, gray, dry	GP	
				(2.5-5') Gravelly SILT, brown to black, dry, non plastic, non cohesive, some slag	ML	
		60.1	B22-113-SB-4			
		36.1				
5		2.1		(5-7.5') Slag GRAVEL, gray, dry, non plastic, non cohesive	GM	
		12.1				
	80	7.3		(7.5-10') SILT with slag GRAVEL, dry, non plastic, non cohesive	ML	
		23.2				
		28.2				Wet at 9.5' bgs
10		-		(10-15') Silty to sandy, gravelly CLAY, light brown, stiff, dry, low plasticity, cohesive, olive mottling	CL	
		-				
	58	0.0				
		0.0				
		0.0				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-114-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 60s, Sunny
Northing (US ft)	: 571,099.92
Easting (US ft)	: 1,461,411.21

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		16.1	B22-114-SB-1	(0-4.5') Slag GRAVEL with SILT and SAND, gray, dry, non cohesive, non plastic		
		5.6				
	80	6.5			GM	
		3.1				
		0.2				
5				(4.5-10') Sandy CLAY with SILT and slag GRAVEL, dry, cohesive in clay, non cohesive in gravel, low plasticity		
		-				
		31.2				Moist at 7' bgs
	60	21.3	B22-114-SB-8		CL	
		21.4				
		1.0	B22-114-SB-10			Black staining 9-10' bgs Musty odor Wet at 10' bgs Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-115-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 60s, sunny
Northing (US ft)	: 571,401.51
Easting (US ft)	: 1,461,348.87

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-115-SB-1	(0-1.5') Sandy SILT, soft, dark brown, dry, non plastic, non cohesive	ML	
		6.6		(1.5-1.9') Concrete, loose, light gray, dry, non plastic, non cohesive	GP	
	80	2.7		(1.9-2.5') CLAY, very firm, gray and yellowish red, dry, cohesive, medium plasticity	CL	
		14.1		(2.5-4.5') SAND and slag GRAVEL, loose, gray, wet, non plastic, non cohesive	GP/SP	
		1.2		(4.5-5') CLAY, very firm, greenish gray, dry, cohesive, low plasticity	CL	
5		-		(5-5.9') SAND and slag GRAVEL, very dark bluish gray, wet, non cohesive	GP/SP	Slight odor
		0.0		(5.9-7.5') Sandy CLAY, dark bluish gray, dry, hard, low plasticity	CL	
	100	0.1	B22-115-SB-8.5	(7.5-7.9') Well graded SAND with silt, fine to medium grained, loose, gray and dark bluish gray, dry, non plastic	SW	
		0.0		(7.9-8.5') Sandy CLAY, hard, dark bluish gray, dry, low plasticity	CL	Wet at 8.5' bgs
		-		(8.5-11') SAND and slag GRAVEL with CLAY lenses, very dark bluish gray, wet, non cohesive	GP/SP	
10		-				
		-		(11-13.9') CLAY, dark greenish gray, trace sand, moist, cohesive, medium plasticity	CL	
	50	-				
		-				
		-		(13.9-14') Well graded SAND, fine to medium grain size, soft, dark greenish gray, wet, non plastic, non cohesive	SW	Odor
					CL	Odor
				(14-14.5') CLAY, dark greenish gray, trace sand, moist, cohesive, medium plasticity	SW	Boring terminated at 15' bgs due to water
15				(14.5-15') Well graded SAND, fine to medium grain size, soft, dark greenish gray, wet, non plastic, non cohesive		

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-116-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 60s, Sunny
Northing (US ft)	: 571,235.95
Easting (US ft)	: 1,461,392.69

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		1.5	B22-116-SB-1	(0-5') Slag GRAVEL with SILT, gray/brown, dry, non cohesive, non plastic		
		5.3				
	80	13.2			GM	
		76.5				
		108.2				Wet at 4.5' bgs (perched) Black staining and sheen
5				(5-8') Slag GRAVEL with SILT, gray, wet, non cohesive, non plastic.		
		50.1				
		23.8			GM	
						Wet at 7' bgs
	70	67.4				
			B22-116-SB-8.5	(8-10') CLAY with GRAVEL, gray, cohesive, low plasticity		Some black staining at 8' and 9.5' bgs
		46.4				Pungent odor
					CL	
		1.4				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-117-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 60s, Partly Sunny
Northing (US ft)	:
Easting (US ft)	:

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-117-SB-1	(0-5') Slag GRAVEL with SILT and SAND, brown/gray, dry, non cohesive, non plastic		
		0.5				
	60	1.4			GM	
		8.4	B22-117-SB-4			
		1.5				
5		-		(5-10') Slag GRAVEL with SILT, SAND, and brick, gray, tan, dry, non cohesive, non plastic		
		4.2				
	80	6.3			GM	
		6.6				
		1.8	B22-117-SB-10			
10		0.2		(10-11') Slag GRAVEL with SILT and SAND, brown, dry, non cohesive, non plastic.	GM	
		0.4		(11-12')Gravelly CLAY, brown, wet, cohesive, medium plasticity	CL	
	66	0.3		(12-13') Slag GRAVEL with organics and SAND, black, wet, non cohesive,	GW	Wet at 12' bgs Sweet odor (12-13') bgs Boring refusal at 13' bgs due ot water
15						

Total Borehole Depth: 13' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-118-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/18/2016
Weather	: 60s, Sunny
Northing (US ft)	: 571,245.56
Easting (US ft)	: 1,461,513.06

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-118-SB-1	(0-1.3') SILT with GRAVEL, soft, brown, dry, non plastic, non cohesive	ML	
		3.0		(1.3-1.4') Concrete, loose, light gray, dry	GP	
	90	3.9		(1.4-2.5') SILT, soft, brown, dry, non plastic, non cohesive	ML	
		13.6		(2.5-2.9') Concrete, loose, gray, dry,	GP	
		6.5		(2.9-3.2') SILT, brown, dry, soft, no cohesion, no plasticity	ML	
5		-		(3.2-6.3') Silty CLAY, firm, brown, moist, non plastic, non cohesive	CL	
		2.5		(6.3-6.5') Concrete, loose, light gray, dry	GP	Some sand intermixed
	70	4.1		(6.5-8.5') Silty CLAY with some SAND, firm, brown, moist, cohesive, low plasticity	CL	
		18.1	B22-118-SB-9	(8.5-8.7') Brick GRAVEL, loose, light yellowish brown, moist, non plastic, non cohesive	GP	
		1.6	B22-118-SB-10	(8.7-10') Silty CLAY with SAND, soft, brown, moist, cohesive, non plastic	CL	
10		-		(10-15') Gravelly SAND, loose, greenish black, wet, non plastic, non cohesive	SP	
		-				
	20	-				
		-				Wet at 14' bgs
		0.0				
15		-		(15-18') CLAY with trace sand, very soft, greenish black, very moist, high plasticity	CH	
		0.0				
	70	0.0				
		0.0		(18-20') SAND, medium dense, greenish black, wet, non plastic, non cohesive	SP	Boring terminated at 20' bgs due to water and maximum allowable depth
20		0.0				

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-119-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 60s, Sunny
Northing (US ft)	: 571,293.47
Easting (US ft)	: 1,461,187.62

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-0.5') ORGANIC SOIL, soft, brown, dry, non plastic, non cohesive	OL	
			B22-119-SB-1	(0.5-2.5') SILT, loose, brown, dry, non plastic, non cohesive	ML	Small roots
	70	1.0		(2.5-2.7') Brick GRAVEL, loose, yellow, dry	GP	
		1.6		(2.7-4.1') SILT with trace SAND, loose, olive brown, dry, non plastic, non cohesive	ML	
		6.2		(4.1-9') CLAY with slag GRAVEL, firm, moist to dry, olive brown, cohesive, high plasticity		
5		17.4				
		49.1			CH	
	100	98.8				
		123	B22-119-SB-9			Wood fragments and black streaks
		115	B22-119-SB-10	(9-10') CLAY, soft, olive, moist to dry, cohesive, non plastic,	CH	Product present (9-10' bgs), black, viscous, sticky
10		-		(10-14.9') CLAY, soft, olive, moist to dry, cohesive, non plastic		
		-				
	50	33.3			CH	
		50.3				
		6.3				
15		0.1		(14.9-15') Clayey SAND, loose, olive, wet, non plastic, non cohesive	SP	Wet at 14.9' bgs Highly saturated CLAY
		0.0		(15-18') Gravelly sandy CLAY, very soft, olive, wet, cohesive, high plasticity	CH	
	100	0.0				
		0.0		(18-22') CLAY with trace SAND, soft, olive to pale olive, very moist, cohesive, high plasticity		
		0.0				
20		-			CH	
		-				Boring terminated at 22' bgs due to piezometer installation

Total Borehole Depth: 22' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-120-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 60s, Partly Cloudy
Northing (US ft)	: 571,161.52
Easting (US ft)	: 1,461,300.49

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		2.0		(0-1') Topsoil, SILT, ORGANIC SOIL	OL	
		0.6	B22-120-SB-1	(1-3') Slag GRAVEL with SILT and SAND, dark brown, dry, large cobbles of slag at 2.5'	GM	
	80	0.1				
		0.1		(3-5') Silty to very fine grained sandy CLAY, soft, dry, olive with light gray to orangish brown mottling, medium plasticity, cohesive	CL	
		0.0				
5		-		(5-10') Silty to sandy CLAY, soft, olive with gray and orangish brown mottling, high plasticity, cohesive, some intermixed angular GRAVEL, Clay and GRAVEL dark gray at bottom of boring		
		2.7				
	60	5.3	B22-120-SB-8		CH	
		0.1				Wet at 8.5' bgs
		0.1				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-121-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 60s, Partly Cloudy
Northing (US ft)	: 571,200.99
Easting (US ft)	: 1,461,184.17

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		7.0	B22-121-SB-1	(0-4') Slag GRAVEL and silty CLAY with larger quartz GRAVEL, gray/brown, dry, gravel non cohesive, clay, cohesive, low plasticity	GC	
		16.2				
	90	1.3				
		7.4				
				(4-5') Silty to very fine grained SAND and CLAY with slag GRAVEL, soft,	SW/SC	Moist at 4' bgs
		3.7				
5				(5-9') Silty CLAY with gravel, olive, dry, cohesive, low plasticity, orangish brown mottling	CL	
		1.6				
		5.3				
	90	12.4				
		23.2	B22-121-SB-9			Black staining and pungent odor (8.5-10') bgs
				(9-10') Slag GRAVEL with wood, SILT and SAND, gray, wet, non cohesive, non plastic		Wet at 9.5' bgs
		56.8	B22-121-SB-10		GW	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-122-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, sunny
Northing (US ft)	: 568,875.49
Easting (US ft)	: 1,461,000.37

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-122-SB-1	(0-2.3') SILT with GRAVEL, soft, brown, dry, non plastic, non cohesive	ML	
		-				
	60	0.6		(2.3-2.8') Quartzite GRAVEL, loose, white and olive yellow, dry, non plastic, non cohesive	GP	
				(2.8-4') Metallic slag, GRAVEL and SAND, loose, black, dry, non plastic, non cohesive	GP/SP	Trace roots
		0.3				
				(4-5') Slag GRAVEL, loose, gray and white, dry, non plastic, non cohesive	GP	
		2.7				
5				(5-8.5') Clayey SAND, loose, brown, dry, non plastic, non cohesive	SP	
		-				
		-				
	40	-				Wet at 8' bgs
		0.2		(8.5-10') CLAY, firm to very soft, brown wet, high plasticity, cohesive	CH	
		0.1				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-123-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, sunny
Northing (US ft)	: 568,849.06
Easting (US ft)	: 1,460,975.83

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-123-SB-1	(0-1.9') SAND, fine to medium grained, loose, light brown, dry, non plastic, non cohesive	SW	
		0.0				
	70	0.2		(1.9-4') SILT, soft, brown, dry, non plastic, non cohesive	ML	
		1.1				
				(4-4.5') Quartzite GRAVEL, loose, white, dry, non plastic, non cohesive	GP	
		0.0		(4.5-5') SAND with GRAVEL, coarse grained, loose, yellowish red, wet, non plastic, non cohesive	SP	Wet at 4.5' bgs
5				(5-6') Sandy GRAVEL with silt, loose, light brown, wet, non plastic, non cohesive	GP/SP	
	100	0.0				Boring refusal at 6' bgs due to water
10						

Total Borehole Depth: 6' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-124-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, sunny
Northing (US ft)	: 568,795.48
Easting (US ft)	: 1,461,014.07

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-1') CONCRETE, loose, white, dry, no plasticity, no cohesion	-	
		2.0	B22-124-SB-1	(1-2.5') SILT with SAND, soft, brown, dry, non plastic, non cohesive	ML	
	77	5.0		(2.5-3') Slag GRAVEL, loose, gray, moist, non plastic, non cohesive	GP	
		7.1	B22-124-SB-4	(3-4.5') Silty SAND, medium grained with small metallic slag GRAVEL, brown, dry, non plastic, non cohesive	SP	
		4.4		(4.5-5') SAND, loose, yellowish brown, very moist, non plastic, non cohesive	SP	
5		-		(5-10') Slag SAND, coarse to very coarse, loose, yellowish red grading to black, wet, non plastic, non cohesive		
		9.3				Wet at 6.2' bgs
	77	10.3			SP	
		53.6				
		43.8				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-125-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/18/2016
Weather	: 50s, Cloudy
Northing (US ft)	: 570,967.08
Easting (US ft)	: 1,461,735.21

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		0.1	B22-125-SB-1	(0-4') GRAVEL with SILTS and SANDS, asphalt and fill debris, dry, non cohesive	GM	
		0.5				
	83	0.6				
		1.9	B22-125-SB-4			
		12.8		(4-10') CLAY, gray to olive gray, dry, cohesive, med to high plasticity	CH	Wet at 8' bgs
5		0.3				
		0.3				
	100	1.1				
		0.2				
		0.1	B22-125-SB-10			Roots and plant material at 9.5' bgs
10		0.1		(10'-20') CLAY, gray, tan, olive, soft, stiff from 10'-13', moist 8'-9', dry at other intervals, cohesive, med to high plasticity, orangish brown and light gray mottling throughout		
		0.1				
	100	0.1				
		0.1				
		0.1				
15		0.1			CH	
		0.1				
		0.1				
	100	0.1				
		0.1				
		0.0				Boring terminated at 20' bgs due to water and maximum allowable depth
20						

Total Borehole Depth: 20 bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-126-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/18/2016
Weather	: 60s, cloudy
Northing (US ft)	: 570,963.61
Easting (US ft)	: 1,461,770.27

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-2') Asphalt and Concrete, gray, moist, loose, non plastic, non cohesive	-	
		-				
	60	0.4	B22-126-SB-1	(2-3.7') Brick, gravel sized, loose, yellowish brown, wet, non plastic, non cohesive	-	Wet at 3' bgs
		1.2				
		0.5		(3.7-4.8') Brick, sand sized, loose, yellowish brown, wet, non plastic, non cohesive	-	
5		0.0	B22-126-SB-6	(4.8-5') Gravelly CLAY, very soft, light olive gray, wet, high plasticity, cohesive	CH	Mild sewage smell
		0.0		(5-6') Sandy CLAY, very soft, light grayish green grading to dark greenish gray, very moist, high plasticity, cohesive	CH	
	100	0.0				
		0.0		(6-10') Sandy CLAY, very soft, light grayish green grading to dark greenish gray, wet, high plasticity, cohesive		
		0.0	B22-126-SB-10			
10		-		(10-23.5') CLAY, soft, light grayish green with yellow-red mottling, moist to very moist, high plasticity, cohesive		
		-				
	60	0.0				
		0.0				
		0.0				
15		0.0				
		0.0			CH	
		0.0				
	100	0.0				
		0.0				
		0.0				
20		0.0				
		0.0				
		0.0				
	100	0.0				
		0.0		(23.5-30') CLAY, soft, dark gray, moist, high plasticity, cohesive		
25		0.0				
		0.0				
		0.0			CH	
	100	0.0				
		0.0				
		0.0				Boring terminated at 30' bgs due water and piezometer installation
30						

Total Borehole Depth: 30' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-127-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/18/2016
Weather	: 60s, Partly Sunny
Northing (US ft)	: 570,938.66
Easting (US ft)	: 1,461,738.88

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		0.4	B22-127-SB-1	(0-5') Slag GRAVEL with SILTS and SANDS, gray, olive, brown, dry, non cohesive		
		32.2				
	80	2.6			GM	
		2.8				
		5.6				
5		65.0		(5-6') GRAVEL with slag and SAND, loose, wet, non cohesive	GW	
		20.8	B22-127-SB-7	(6-20') CLAY, olive gray, dry, alternating soft and stiff intervals, cohesive, medium to high plasticity, light gray mottling throughout, minor organic material at 8.5'		Sweet odor at 7' bgs
	100	83.6				
		34.9				
		42.7				
10		24.0				
		3.4				
	60	8.1			CH	
		2.0				
		0.7				
15		0.5				
		0.7				
	100	0.8				
		0.5				
		0.3				Boring terminated at 20' bgs due to maximum allowable depth
20						

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-128-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 70s, cloudy
Northing (US ft)	: 568,602.47
Easting (US ft)	: 1,462,229.45

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0	83	-	B22-128-SB-1	(0-2.5') Well graded SAND and GRAVEL, fine to coarse, loose, dark brown and gray, dry, sub angular, non plastic, non cohesive	SW/GW	
		2.2				
		4.4		(2.5-4') Well graded SAND and GRAVEL, fine to coarse, loose, light gray, dry, large gravel fragments, non plastic, non cohesive	SW/GW	
		5.2				
		9.0		(4-8') Fill debris, large chunks of wood mixed with large gravel in oil and grease matrix, crude oil type consistency	-	Oil and grease laden material 4-5'/ product Oil and sewage odor
5						
				(8-10') Poorly graded clayey SAND, sticky, fine grained, black, wet, cohesive, non plastic	SP/SC	
10						Boring terminated due to refusal at 10' bgs

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-129-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 70s, Cloudy
Northing (US ft)	: 568,628.22
Easting (US ft)	: 1,462,279.73

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-129-SB-1	(0-3.5') Well graded SAND and slag GRAVEL, loose, light gray and light brown, dry, non plastic, non cohesive, some slag, subangular		First two attempts had refusal at 4'
		2.2			SW/GW	
	83	7.6				
		11.0	B22-129-SB-4			
		2.9		(3.5-7') Well graded SAND and slag GRAVEL, loose, light gray, dry, non plastic, non cohesive, significant slag, angular		
5		-			SW/GW	
		0.1				
				(7-10') Well graded silty SAND and GRAVEL, very loose, light brown, dry, non plastic, non cohesive		Wet at 7' bgs
	75	0.2				
		0.1			SW/GW	
		0.2				Oily product with sheen 9'-10' bgs
10				(10-13.5') Clayey SAND, soft, gray, fine grained, moist to very wet, cohesive, low plasticity		
					SC	
				(13.5-15') CLAY, soft, light to medium brown, moist to wet, cohesive, medium plasticity		
					CL	Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-130-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, Sunny
Northing (US ft)	: 568,562.98
Easting (US ft)	: 1,462,274.95

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		2.4	B22-130-SB-1	(0-3.5') Well graded SAND and slag GRAVEL, loose, blue-gray and dark brown and tan, subangular, dry, non plastic, non cohesive		
		11.5			SW/GW	
	93	13.1				
		6.1	B22-130-SB-4	(3.5-5) CLAY, stiff, tan and gray-green, low plasticity, cohesive		
		0.5			CL	
5				(5-9') CLAY, soft, brown and gray-green, moist to wet, high plasticity, cohesive		
		-				
		-			CH	
	60	0.2				Wet at 7.5' bgs
		0.2				
				(9-10') Well graded SAND and GRAVEL, loose, light gray, angular, moist, non cohesive		
		0.5			SW/GW	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-131-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/17/2016
Weather	: 50s, rainy
Northing (US ft)	: 568,111.05
Easting (US ft)	: 1,461,157.54

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		0.1	B22-131-SB-1	(0-0.1') (Topsoil) ORGANIC SOIL, brown, dry, soft, no cohesion, no plasticity	OL	
				(0.1-0.5') CLAY, soft, brown, moist, cohesive, low plasticity	CL	Small plant roots
				(0.5-1.5') Silty SAND with slag GRAVEL, Poorly Graded, light brown, dry, non plastic, non cohesive	SP	
		0.3		(1.5-5) CLAY, soft, beige and orange mottled, moist, cohesive, high plasticity	CH	
	100	0.5				
		0.5				
		0.4	B22-131-SB-5			
5		-		(5-8') CLAY, soft, beige and orange mottled, very moist, very cohesive, high plasticity	CH	
		-				
	50	0.5				
		0.7		(8-8.3') SAND with gravel, poorly graded, brown, dry, non plastic, non cohesive	SP	
					CH	
				(8.3-8.5') CLAY, beige and orange mottled, very moist, very soft, cohesive, high plasticity	GP	Wet at 9' bgs
				(8.5-9.5') Slag GRAVEL, loose, brown, moist to wet, non plastic, non cohesive		
		0.4		(9.5-10') CLAY, dark beige, wet, soft, cohesive, high plasticity	CH	Boring terminated at 10' bgs due to water
10		-				

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-132-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/17/2016
Weather	: 50s, Rainy
Northing (US ft)	: 568,115.79
Easting (US ft)	: 1,461,198.25

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-132-SB-1	(0-1.5') ORGANIC SOIL with gravel, soft, brown, dry, non plastic, non cohesive	OL	Small plant roots
		0.2		(1.5-3.5') Clayey SAND with slag GRAVEL, soft, brown, cohesive, low plasticity	SP-SC	
	70	0.6				
		3.2		(3.5-5') Sandy CLAY with slag GRAVEL, soft, light brown and orange mottled, moist, cohesive, high plasticity	CH	
		0.7	B22-132-SB-5			
5		-		(5-8.5') CLAY, very soft,dark brown, trace sand, wet, cohesive, high plasticity	CH	Wet at 7.5' bgs
		0.4				
	50	0.1				
		0.4		(8.5-10') CLAY, soft to firm, light gray and light orange mottled, trace sand, moist, cohesive, high plasticity	CH	
		0.1				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-133-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,074.27
Easting (US ft)	: 1,462,156.42

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
	85	-	B22-133-SB-1	(0-4.5') Well graded SAND and slag GRAVEL, dense, tan to dark brown to gray, moist, non plastic, non cohesive	SW/GW	
		2.3				
		1.8				
		1.7				
		0.9	B22-133-SB-5			
5				(4.5-10') Silty SAND with some GRAVEL, loose, tan to dark brown, moist to wet, cohesive, non plastic		Wet @ 6' bgs
		-				
		1.8				
	83	2.0			SM	
		1.7				
		0.7				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-134-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 70s, Sunny
Northing (US ft)	: 569,222.27
Easting (US ft)	: 1,462,138.96

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-134-SB-1	(0-7.5') Well graded SAND and GRAVEL with traces of SILT and slag, loose, light to dark gray, angular, dry, non plastic, non cohesive		
		8.9				
	92	4.8				
		2.8			SW/GW	
		0.3				
5		-				
		45.5	B22-134-SB-7			
	77	120.1		(7.5-10') Well graded GRAVEL with SILT, trace brick and slag, loose, red to gray, wet, no cohesion, no plasticity		Wet @ 7.5' bgs
		68.1			GW/GM	
		3.2				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-135-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 70s, Sunny
Northing (US ft)	: 569,247.79
Easting (US ft)	: 1,462,134.92

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
	87	-	B22-135-SB-1	(0-8') Well graded SAND and GRAVEL with trace of SILT some slag, dense, dark gray with red, angular, dry, non plastic, non cohesive	SW/GW	
		2.5				
		19.0				
		5.3				
		3.9				
5		-				
		-				
	70	6.2	B22-135-SB-8			
		6.0		(8-10') Well graded SAND and GRAVEL, some SILT and slag, loose, dark gray, wet, non plastic, non cohesive	SW/GW	Wet @ 8' bgs
		3.2				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-136-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/31/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,100.18
Easting (US ft)	: 1,462,152.27

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-136-SB-1	(0-4') Well graded SAND and GRAVEL with brick and slag, medium dense, dark gray to red to dark brown, angular, non plastic, non cohesive	SW/GW	
	90	1.6				
		8.6				
		5.6				
		14.1	B22-136-SB-5	(4-10') Silty SAND, medium dense, dark gray, fine to coarse, moist to wet, cohesive, no plasticity	SM	Wet @ 6' bgs
5		0.7				
		0.2				
	92	0.2				
		0.2				
		0.2				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-137-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/16/2016
Weather	: 50s, Sunny
Northing (US ft)	: 567,600.33
Easting (US ft)	: 1,461,709.52

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		0.2	B22-137-SB-1	(0-2.5') SILT, with small slag GRAVEL, soft, brown, dry, non plastic, non cohesive	ML	
		0.3				
	100	3.2		(2.5-3') SAND with Slag GRAVEL, loose, brown, medium to coarse grained, dry to wet, non plastic, non cohesive	SW	
		2.4		(3-5') CLAY, hard, light brown, very dry, cohesive, low plasticty	CL	
		0.3				
5		-		(5-7') CLAY, very firm, light brown, moist, cohesive, high plasticity	CH	
		0.3				
	80	2.7	B22-137-SB-8	(7-8') SAND, medium dense, tan, moist, non plastic, non cohesive	SP	
		2.9		(8-8.5') SAND, loose, tan and orange, wet, non plastic, non cohesive	SP	Wet at 8' bgs
				(8.5-9') SAND, loose, orange, moist, non plastic, non cohesive	SP	
		0.3		(9-10') CLAY, soft, light brown, moist, cohesive, high plasticity	CH	
10		-		(10-13') CLAY, soft, brown-beige, moist, cohesive, high plasticity	CH	
		0.0				
	80	0.0				
		0.0		(13-14') Sandy CLAY, very soft, orange, wet, cohesive, medium plasticity	CL	
		0.0		(14-15') CLAY, very soft, dark gray, very moist, cohesive, high plasticty	CH	Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-138-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/16/2016
Weather	: 50s, Sunny
Northing (US ft)	: 568,037.48
Easting (US ft)	: 1,461,730.94

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		4.1	B22-138-SB-1	(0-2') SILT with schist and brick gravel, soft to firm, brown, dry, non plastic, non cohesive	ML	Micas present throughout
		1.8				
	100	1.3		(2-3') SAND with fine slag GRAVEL, loose, brown, coarse grained, moist to wet, non plastic, non cohesive	SP	
		0.8		(3-5') CLAY, very firm, dark gray and brown, moist, cohesive, low plasticty	CL	
		0.0				
5		1.2		(5-7.5) CLAY, very firm, brown and light orange, moist, cohesive, high plasticity	CH	
		3.0				
	100	3.8	B22-138-SB-8	(7.5-10') Sandy CLAY, firm, light brown and dark orange, moist, cohesive, medium plasticity	CL	Iron-staining, mottled
		1.9				
		0.7	B22-138-SB-10			
10		3.7		(10-18') CLAY, firm, light brown with orange streaks, moist, cohesive, high plasticity	CH	
		2.6				
	100	3.8				
		3.1				
		0.3				
15		0.0				
		0.0				
	100	0.0				
		0.0		(18-19') CLAY, very soft, light brown, moist, cohesive, high plasticity	CH	
		0.0		(19-20') CLAY, very soft, gray-brown, very moist, cohesive, high plasticity	CH	Boring terminated at 20' bgs due to maximum allowable depth
20						

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-139-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/16/2016
Weather	: 50s, Sunny
Northing (US ft)	: 567,989.02
Easting (US ft)	: 1,461,962.71

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		4.7	B22-139-SB-1	(0-4') SILT with trace SAND, soft, brown and black, dry, non plastic, non cohesive	ML	Trace oxidation and metallic specs throughout
		5.5				
	90	3.1				
		18.5	B22-139-SB-4			
				(4-4.5') Slag GRAVEL, loose, gray and tan, wet, non plastic, non cohesive	GP	
		0.4		(4.5-5') CLAY, hard, tan, dry, cohesive, low plasticty	CL	
5				(5-9') CLAY, very firm, tan and light orange, dry, cohesive, high plasticity	CH	
		6.2				
		8.0				
	100	9.3				
		4.3				
				(9-9.5) Clayey SAND, medium dense, tan, very moist, non plastic, non cohesive	SP-SC	Wet at 9.5' bgs
		0.4		(9.5-10') SAND, loose, tan, wet, non plastic, non cohesive	SP	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-140-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/16/2016
Weather	: 50s, Sunny, Windy
Northing (US ft)	: 567,806.12
Easting (US ft)	: 1,462,073.65

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-140-SB-1	(0-4.5') Sandy SILT with trace slag gravel, soft, brown, dry, non plastic, non cohesive		
		0.1				
	90	0.7			ML	
		2.3				
		1.4	B22-140-SB-5			
5				(4.5-5') SILT, hard, dark gray, dry, cohesive, low plasticity	ML	
		-		(5-10') CLAY, firm to very firm, brown grading to gray, moist, cohesive, medium plasticity grading to high plasticity		
		0.3				
	70	0.5			CL/CH	
		0.4				
		0.1	B22-140-SB-10			
10				(10-13') SAND, loose, light gray, wet, non plastic, non cohesive		
		-				
		-			SP	
	50	-				Wet at 12.5' bgs
		-		(13-15') Sandy CLAY, very soft, light gray, very moist, cohesive, high plasticity		
		-			CH	
		-				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-141-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/16/2016
Weather	: 50s, Sunny
Northing (US ft)	: 567,603.61
Easting (US ft)	: 1,462,098.41

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		0.4	B22-141-SB-1	(0-1.5') SILT with sand and slag gravel, soft, brown, dry, non plastic, non cohesive	ML	
		1.1		(1.5-2.5') Slag GRAVEL with SAND, loose, brown, wet, non plastic, non cohesive	GW	
	100	0.2		(2.5-5') CLAY, hard, brown, dry, cohesive, medium plasticity	CL	
		0.0				
		0.0	B22-141-SB-5			
5		-		(5-9.5') Sandy CLAY, firm, brown to light brown, moist, cohesive, medium to high plasticity	CL	
		-				
	40	-				
		0.0				
		0.0				Wet at 9.5' bgs
				(9.5-10') SAND, loose, beige, wet, non plastic, non cohesive	SP	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-142-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/16/2016
Weather	: 50s, Sunny
Northing (US ft)	: 567,817.40
Easting (US ft)	: 1,461,772.75

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		0.2	B22-142-SB-1	(0-1') SILT with slag GRAVEL, soft, light brown, dry, non plastic, non cohesive	ML	
	100	0.5 0.5 0.3		(1-4') Sandy SILT with trace slag gravel, soft, brown, moist, non plastic, non cohesive	ML	
		0.2	B22-142-SB-5	(4-5') Silty SAND, loose, brown, wet, non plastic, non cohesive	SP	
5	50	- - 0.8 0.3		(5-9') CLAY, firm, gray-brown, moist, cohesive, high plasticity	CH	
		0.2		(9-9.5') Sandy CLAY, soft, dark gray, very moist, cohesive, high plasticitly	CH	Wet at 9.5' bgs
10				(9.5-10') SAND, medium dense, light beige, wet, non cohesive, non plastic	SP	Boring terminated at 10' bgs due to water

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-143-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/16/2016
Weather	: 50s, Sunny
Northing (US ft)	: 567,768.52
Easting (US ft)	: 1,461,528.09

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-143-SB-1	(0-2') SILT with gravel, soft, light brown, dry, non plastic, non cohesive	ML	
		0.3				
	83	0.4		(2-3') Sandy SILT, soft, brown, dry, non plastic, non cohesive	ML	
		0.4		(3-3.5') Concrete, loose, gray, dry, non plastic, non cohesive	GP	
				(3.5-4') Silty SAND, loose, dark brown, moist to wet, non plastic, non cohesive	SM	
		1.9	B22-143-SB-5	(4-5') SAND with SILT, loose, dark brown, fine to medium grained, very moist, non plastic, non cohesive	SW	Green tinge
5		-		(5-10') CLAY, very firm, gray-brown, moist, cohesive, low plasticity		
		-				
	40	-			CL	
		0.6				
		0.4	B22-143-SB-10			
10		-				Wet at 10.5' bgs
				(10.5-11') SAND, loose, orange, wet to very moist, non plastic, non cohesive	SP	
		0.0		(11-11.2') Sandy CLAY, soft, orange, very moist, cohesive, low plasicity	CL	
	90	0.0		(11.2-15') CLAY, soft, beige and orange streaked, moist, cohesive, high plasticity	CH	
		0.0				
		0.0				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-144-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenbrok - Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 70s, Sunny
Northing (US ft)	: 570,836.69
Easting (US ft)	: 1,461,848.29

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		26.1	B22-144-SB-1	(0-1') SILT, hard, brittle, light yellowish brown to dark brown, dry, non plastic, non cohesive	ML	
				(1-1.3') SILT, soft, white, dry, non plastic, non cohesive	ML	
		4.4		(1.3-1.8') Sandy GRAVEL, loose,dark yellowish brown to brownish yellow, dry, non plastic, non cohesive	GW	
	100	5.5		(1.8-5') CLAY, soft to very firm, yellowish brown and grayish green, moist to dry, high plasticity, cohesive		
		4.3			CH	
		0.4				
5		2.1		(5-8') CLAY, soft to firm, light olive brown with yellowish brown mottling, moist to very moist, high plasticity, cohesive		Iron staining
		7.5	B22-144-SB-7		CH	
	100	8.7				
				(8-10') CLAY, very soft, dark greenish gray and light olive, wet, high plasticity, cohesive		Wet at 8' bgs
		0.34			CH	Saturated clay, wet sheen
		1.5				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-145-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenbrok - Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 70s, Sunny
Northing (US ft)	: 570,750.05
Easting (US ft)	: 1,461,847.08

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-145-SB-1	(0-2.5') SILT with fine SAND, soft, brown, dry, non plastic, non cohesive	ML	
		1.6				
	70	10.4		(2.5-4.3') Concrete, loose, pinkish gray, dry, non plastic, non cohesive	GP	
		12.5				
		3.2	B22-145-SB-4	(4.3-5') Gravelly CLAY, very soft, black, wet, high plasticity, cohesive	CH	Moderate odor
5		0.4		(5-10') Sandy CLAY, firm but with few very soft spots, yellowish brown, dry to moist, high plasticity, cohesive		
		2.1				
	100	2.0			CH	
		0.4				
		0.6	B22-145-SB-10			
10		-		(10-12.5') Sandy CLAY, very soft, yellowish brown, wet,		Wet at 10.5' bgs
		0.3			CH	
	100	0.7		(12.5-15') CLAY, hard, yellowish brown, dry, high plasticity, cohesive		
		1.1			CH	
		1.0				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-146-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,032.17
Easting (US ft)	: 1,460,949.40

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0				(0-0.5') Concrete, loose, white, dry	-	
		-				
		0.6	B22-146-SB-1	(0.5-2.8') Sandy SILT with metallic slag GRAVEL, soft, brown to dark brown, dry to moist, non plastic, non cohesive	ML	
	70	0.8				
				(2.8-3.3') Sandy slag GRAVEL, loose, red, wet, non plastic, non cohesive	GP/SP	
		0.7		(3.3-7') Silty CLAY, firm, light yellowish brown to very dark gray, low plasticity, cohesive		
		0.0	B22-146-SB-5			
5					CL	
		0.2				
		0.4				
				(7-8.2') Sandy CLAY, very soft, light yellowish brown, wet, medium to high plasticity, cohesive		Wet at 7' bgs
	90	0.2			CL/CH	
		0.7		(8.2-10') CLAY, very firm, pale yellow, dry, high plasticity, cohesive		
					CH	
		0.2				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-147-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,042.82
Easting (US ft)	: 1,460,957.46

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0				(0-0.5') Concrete, loose, light gray, dry	-	
		-				
		-	B22-147-SB-1	(0.5-4') SAND and slag GRAVEL, loose, brown and yellowish brown, moist, non plastic, non cohesive		
	40	-			SP/GP	
		19.2				
				(4-5') Sand and GRAVEL, loose, brown and yellowish brown, wet, non plastic, non cohesive	SP/GP	
		0.0				
5			B22-147-SB-5.5	(5-5.5') CLAY, firm, dark grayish brown, moist, medium plasticity, cohesive	CL	
		0.5		(5.5-6.5') CLAY, very soft, dark grayish brown, wet, medium plasticity, cohesive	CL	Wet at 5.5' bgs
		0.7		(6.5-10') CLAY, hard to very firm, dark grayish brown grading to pale yellow, moist, medium plasticity, cohesive		
	100	0.2			CL	
		0.1				
		0.1				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-148-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/18/2016
Weather	: 60s, Cloudy
Northing (US ft)	: 571,064.79
Easting (US ft)	: 1,461,082.72

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		6.4	B22-148-SB-1	(0-4') Slag GRAVEL with SILT and concrete/brick material, black, dry, non cohesive		
		24.5			GM	
	60	67.9				
		17.2				
		0.2		(4-6') Clayey GRAVEL, stiff, olive, dry, cohesive, low plasticity		
5					GC	
		2.4	B22-148-SB-6			Wet at 5.5' bgs (perched) Black staining and odor
		2.6		(6-10') Gravely CLAY, olive to brown, dry, stiff, cohesive, medium plasticity, orangish brown mottling		
	100	1.3				
		20.8			CL	
		10.5	B22-148-SB-10			
10						
		-		(10-15') Silty CLAY with GRAVEL, olive, soft, wet, cohesive, medium to high plasticity, orangish brown and dark gray mottling		
		-				Wet at 11.5' bgs
	70	-			CL	
		-				
		-				Boring terminated at 15' bgs due to water
15						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-149-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 60s, Partly Sunny
Northing (US ft)	: 571,047.06
Easting (US ft)	: 1,461,084.20

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		4.9	B22-149-SB-1	(0-5') Slag GRAVEL with SILT, loose, gray/brown, dry, non cohesive		
		1.8				
	80	4.8			GM	
		2.0				Wet at 4' bgs (perched)
		0.1				
5				(5-9.5') Gravelly CLAY with gray slag GRAVEL; CLAYS, soft, olive, dry, cohesive, low plasticity; GRAVEL, loose, gray/black, dry, non cohesive		
		-				
		16.1				
					CL/GC	
	60	45.2	B22-149-SB-8			
		13.8				
						Wet at 9.5' bgs
		0.1				Boring terminated at 10' bgs due to water
				(9.5-10') Clayey GRAVEL, brown/olive, wet, cohesive, low plasticity	GC	
10						

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-150-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,143.31
Easting (US ft)	: 1,460,967.15

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-150-SB-1	(0-2') Sandy SILT, soft, brown, dry, non plastic, non cohesive	ML	
		1.7		(2-2.5') SILT, dense, black, moist, low plasticity, cohesive	ML	
	90	1.1		(2.5-2.8') Slag SAND, loose, black, very moist, non plastic, non cohesive	SP	
				(2.8-3.2') SAND, medium grained, loose, brown, wet, non plastic, non cohesive	SP	
		1.6		(3.2-5') Silty CLAY, soft to very firm, brown, low plasticity, cohesive	CL	
		0.7	B22-150-SB-5			
5		0.5		(5-6') CLAY, firm, brown, moist, medium plasticity, cohesive	CL	
		0.8		(6-7') CLAY, very soft, brown, wet, medium plasticity, cohesive	CL	Wet at 6' bgs
	100	0.0		(7-10') CLAY, firm, brown to light yellowish brown, moist to dry, medium plasticity grading to high, cohesive	CL/CH	
		0.0				
		0.1				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-151-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,097.44
Easting (US ft)	: 1,460,972.98

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-151-SB-1	(0-2.2') SAND and slag GRAVEL, loose, light yellowish brown, dry, non plastic, non cohesive	GP/SP	
		3.6				
	70	3.2		(2.2-3.4') SILT, medium dense, light yellowish brown, dry, low plasticity, cohesive	ML	
		1.5		(3.4-5') SAND and slag GRAVEL, loose, dark brown to black, wet, non plastic, non cohesive	GP/SP	Wet at 3.5' bgs
		2.2				
5		9.2		(5-6') CLAY, very soft, dark brown, wet, medium plasticity, cohesive	CL	
	100	7.6		(6-8') CLAY, hard, brown, dry, medium plasticity, cohesive	CL	
		1.9				Boring terminated due to refusal at 8' bgs
10						

Total Borehole Depth: 8 bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-152-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 50s, Partly Sunny
Northing (US ft)	: 571,252.89
Easting (US ft)	: 1,460,918.27

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		3.8	B22-152-SB-1	(0-1') Silty CLAY, brown, dry, high plasticity, cohesive	CH	
		31.8		(1-5') Slag GRAVEL with SILT, SAND, and CLAY, dark brown to black, dry, low plasticity, cohesive	GC	
	90	51.5				
		59.4				
		78.8				
5		477	B22-152-SB-6	(5-9.6') Slag GRAVEL with SILT, SAND, and tan sandstone and brick, dark gray to black, dry from 5-9', non cohesive	GM	Strong odors from 5-10' bgs
		398				
	90	394				
		400				Wet at 9' bgs Sheen at 9' bgs
		173				Boring terminated at 10' bgs due to water
10				(9.6-10') CLAY, olive, wet, cohesive, medium plasticity, some light brown mottling	CL	

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-153-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 60s, sunny
Northing (US ft)	: 571,347.23
Easting (US ft)	: 1,460,907.74

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		9.1	B22-153-SB-1	(0-0.2) Organic silty CLAY, soft, brown, moist, cohesive, low to medium plasticity	OL	
				(0.2-1.2') CLAY, soft, strong brown, moist, cohesive, high plasticity	CH	
		152		(1.2-2.9) Gravelly SAND, loose, black grading to dark olive brown, moist, non plastic, non cohesive	SP	
	100	458				Evidence of contamination
				(2.9-3') CLAY, soft, strong brown, dry to moist, cohesive, high plasticity	CH	
		941	B22-153-SB-4	(3-5') SILT with GRAVEL, soft, olive brown, dry, non plastic, non cohesive	ML	
		451				
5		40.4		(5-9') SAND with GRAVEL, loose, dark brown, dry, non plastic, non cohesive	SP	
		23.4				
	100	11.8				
		10.7				
		9.7		(9-10') Sandy GRAVEL, loose, black, dry, non plastic, non cohesive	GW	Wet at 9' bgs
10		-		(10-15') Gravelly SAND, loose, dark red, wet, non plastic, non cohesive	SP	
		-				
	33	-				
		-				
		0.0				
15		0.0		(15-16') Sandy GRAVEL, loose, very dark brown, wet, non plastic, non cohesive	GP	Boring terminated at 16' bgs due to water

Total Borehole Depth: 16' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-154-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Ali Berenbrok - Tim Niblett
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 60s, Sunny
Northing (US ft)	: 570,923.64
Easting (US ft)	: 1,462,092.51

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-154-SB-1	(0-3') SILT with trace SAND, soft, dark grayish brown, dry, non plastic, non cohesive	ML	
		9.3				
	80	4.6				
				(3-4') Silty SAND, fine to meduim grained, loose, dark grayish brown, dry, non plastic, non cohesive	SM	
		1.7				
				(4-4.3') Sandy CLAY, soft, light olive brown, moist, low plasticity, cohesive	CL	
		3.0	B22-154-SB-5	(4.3-5') SAND, fine to medium grained, loose, light olive brown, moist, non plastic, non cohesive	SW	
5				(5-10') Slag GRAVEL and SAND, loose, gray and strong brown grading to black, wet, non plastic, non cohesive		
		-				
		-				Wet at 7' bgs
	60	43.3			GP/SP	
		29.3				Moderate odor
		13.9				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10 bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-155-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 60s, Sunny
Northing (US ft)	: 570,923.21
Easting (US ft)	: 1,462,109.59

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-155-SB-1	(0-3') SILT with fine GRAVEL, soft, olive brown to dark grayish brown, dry, non plastic, non cohesive	ML	
		2.7				
	70	3.7				
				(3-3.5') Brick and glass, loose, red, dry, non plastic, non cohesive	-	
		1.6		(3.5-5') SILT with SAND pockets, soft, dark grayish brown, dry, non plastic, non cohesive	ML	
		2.1	B22-155-SB-5			
5		-		(5-7.5') Slag and brick GRAVEL, loose, red and gray, moist, non plastic, non cohesive	GP	
		-				
	60	10.3		(7.5-10') Slag GRAVEL, loose, bluish gray, wet, non plastic, non cohesive	GW	Wet at 7.5' bgs
		11.6				
		26.8				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10 bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-156-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 60s, Sunny
Northing (US ft)	: 570,742.20
Easting (US ft)	: 1,461,460.47

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		2.2	B22-156-SB-1	(0-3.5') Concrete GRAVEL, SILT, brick fill, loose, brown, gray, red, dry, non cohesive	GM	Refusal on 1st two boring attempts
	100	1.3				
		1.0				
		0.1	B22-156-SB-4.5	(3.5-6') Silty CLAY, brown to olive, alternating stiff to soft, wet, cohesive, high plasticity, with yellowish brown mottling	CH	
		0.0				
5		0.8				
				(6-10') Silty CLAY, yellowish brown to olive, stiff, dry, cohesive, medium plasticity, gray to yellowish brown mottling		
		0.3				Wet at 4.5' bgs
	100	0.0			CL	
		0.0				
		0.1				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-157-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/20/2016
Weather	: 60s, Sunny
Northing (US ft)	: 570,814.73
Easting (US ft)	: 1,461,454.47

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-157-SB-1	(0-4') Concrete GRAVEL and SILT, dry, low cohesive	GM	
		90.8				
	50	31.6				
		7.5				
		32.2		(4-4.5') Silty CLAY, soft, olive to yellowish brown, dry, medium plasticity, cohesive	CL	Wet at 4.5' bgs Black staining and odors
				(4.5-5') GRAVEL with SAND, black, wet, loose, non cohesive	GM	
5		0.1		(5-6') Silty CLAY, yellowish brown, soft, dry, cohesive, high plasticity	CH	
		0.1		(6-9') Silty CLAY, stiff, yellowish brown, dry, cohesive, low plasticity, with gray and olive mottling	CL	
	100	0.2				
		0.1				
		0.1		(9-10') Silty CLAY, soft, olive to brown, moist, high plasticity, cohesive	CH	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-158-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/18/2016
Weather	: 60s, Overcast
Northing (US ft)	: 571,206.06
Easting (US ft)	: 1,460,798.71

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-158-SB-1	(0-4') Silty SAND, fine to medium grained, loose, dark brown, dry to moist, non plastic, non cohesive	SW	0.5" layer of SP beige sand at 2' bgs
	70	4.3				
		21.7				
		16.5				
				(4- 4.1') Sandstone GRAVEL, loose, pale brown, dry, non plastic, non cohesive	GP	
		1.8		(4.1-5') Silty SAND, fine to medium grained, loose, dark brown, dry to moist, non plastic, non cohesive	SW/SP	
5		-		(5-9') SAND, fine to medium grained, loose, dark brown, moist, non plastic, non cohesive, little slag	SW	
		-				
	60	24.1	B22-158-SB-8			
		15.4				
		1.8	B22-158-SB-10	(9-10') Slag GRAVEL and SAND, loose, dark brown,moist to wet, non plastic, non cohesive	GP/SP	Some iron staining and large chunks of wood present Wet at 10' bgs
10		-		(10-12.5') Gravelly SAND, coarse, loose, dark yellowish brown, wet, non plastic, non cohesive	SP	
		0.0				
	70	0.0		(12.5-13') CLAY, soft, dark grayish olive, trace sand, moist, high plasticity, cohesive	CH	
		0.0		(13-15') Gravelly SAND grading to coarse SAND, loose, dark yellowish brown, wet, non plastic, non cohesive	SP	
15						Boring terminated at 15' bgs due to water

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-159-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 60s, overcast
Northing (US ft)	: 571,310.51
Easting (US ft)	: 1,460,784.42

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0	100	5.6 1.1 9.6	B22-159-SB-1	(0-3') Silty SAND with little GRAVEL, loose, brown, dry to moist, non plastic, non cohesive	SP-SM	Moist at 2.5' bgs Boring terminated due to refusal at 3' bgs
5						
10						

Total Borehole Depth: 3' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-160-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,159.25
Easting (US ft)	: 1,460,919.18

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-1.5') Concrete, loose, white, dry	-	
	30	-	B22-160-SB-1	(1.5-4.6') SAND, loose, reddish yellow, moist, non plastic, non cohesive	SP	
		0.5				
		3.1		(4.6-4.8') SILT, soft, gray black and white, thinly liminated, very moist, low plasticity	ML	
5					SP	
		-		(4.8-5') SAND, loose, yellowish red, moist, non plastic, non cohesive	SM	
				(5-6') Silty SAND with GRAVEL, loose, brown, moist, non plastic, non cohesive		Wet at 6' bgs
		-		(6-9.5') SAND, medium grained, loose, gray, wet, non plastic, non cohesive		
	100	-			SP	Moderate odor, wood fragments
		-				
		-		(9.5-10') Sandy GRAVEL, loose, dark gray, wet, non plastic, non cohesive	GP	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10 bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-161-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,186.58
Easting (US ft)	: 1,460,934.10

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
	60	-	B22-161-SB-1	(0-3.5') SILT, medium dense, brown, dry, low plasticity, cohesive	ML	
		-				
		6.7				Few gravel
		9.7				
			B22-161-SB-4.5	(3.5-4') Concrete, loose, gray, dry, non plastic, non cohesive	-	
		0.0		(4-5') Sandy SILT with GRAVEL, loose, dark brown to black, moist to wet, non plastic, non cohesive	ML	Wet at 4.5' bgs
5		-		(5-8.5') Sandy slag GRAVEL, loose, black, wet, non plastic, non cohesive	SP	Sheen, sweet smell
	30	-				
		-				
		-		(8.5-10') CLAY, slightly dense to dense, tan to light gray, slightly moist, medium to high plasticity, cohesive	CL	
		0.1				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10 bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-162-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: M. Replogle, E.I.T
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 05/27/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,622.76
Easting (US ft)	: 1,460,963.71

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-162-SB-1	(0-2') GRAVELLY SILT, loose, brown and gray, dry, non plastic, non cohesive	ML	
		59.0				
	80	43.0		(2-2.5') CLAY, very soft, pale olive, very moist, cohesive, medium plasticity	CL	
		53.0		(2.5-6') CLAY, firm to very soft, pale olive, moist to very moist, cohesive, high plasticity	CH	
		102	B22-162-SB-5			
5		84.0				Strong odor
		52.4		(6-8') CLAY, firm, light gray and olive yellow, moist, cohesive, high plasticity	CH	
	100	46.6				Wet at 8' bgs
		238		(8-15') CLAY, soft to very soft, light gray and olive yellow, very moist to wet, cohesive, high plasticity		
		80.7				
10		1.1				
		0.8			CH	
	100	0.8				
		0.8				
		0.9				Boring terminated at 15' bgs due to water
15				End of boring		

Total Borehole Depth: 15' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-163-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: M. Replogle, E.I.T
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 05/27/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,621.04
Easting (US ft)	: 1,460,987.39

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-1') Concrete, loose, white, dry, non plastic, non cohesive	-	
		-	B22-163-SB-1	(1-4') Slag GRAVEL, loose, fine, brown, wet, non plastic, non cohesive		
	50	113			GP	
		169				
		86.1	B22-163-SB-5	(4-5') CLAY with SAND, soft, olive brown, very moist, cohesive, high plasticity	CH	
5				(5-8') CLAY with SAND, firm, olive brown, moist to dry, cohesive, high plasticity		
		-				
		17.8			CH	
	100	35.0				
				(8-10') CLAY with SAND, very soft to firm, olive brown, wet, cohesive, high plasticity		Wet @ 8' bgs
		70.7			CH	
		66.4				Boring terminated at 10' bgs due to water
10				End of boring		

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-164-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,559.56
Easting (US ft)	: 1,461,110.14

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-1') Concrete, loose, white, dry, non plastic, non cohesive	-	
		-	B22-164-SB-1	(1-2.5') Clayey SILT, soft, black, moist, cohesive, low plasticity	ML	
	70	47.9		(2.5-7') CLAY, soft to firm, pale green and light olive brown, moist, cohesive, high plasticity		
		19.8				
		1.9			CH	
5		103	B22-164-SB-6			
		92.5				Wet @ 7' bgs
	100	144		(7-8.5') CLAY, very soft, grayish green to brown, wet, cohesive, high plasticity	CH	
		21.4		(8.5-10') CLAY, very firm, light greenish gray, moist, cohesive, high plasticity	CH	
		0.4				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-165-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/27/2016
Weather	: 80s, Sunny
Northing (US ft)	: 569,550.63
Easting (US ft)	: 1,461,131.23

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		1.3	B22-165-SB-1	(0-0.7') SAND, loose, very pale brown, dry, non plastic, non cohesive	SP	No recovery from 0-0.3'
		50.1		(0.7-5') Silty CLAY, soft, greenish gray, moist, cohesive, low plasticity	CL	
	93	48.5				
		43.2	B22-165-SB-4			
		29.3				
5		-		(5-8') CLAY, soft to firm, greenish gray, moist, cohesive, low to medium plasticity	CL/CH	
		-				
	70	18.9				
		1.0		(8-9') CLAY, very soft, greenish gray, wet, cohesive, high plasticity	CH	Wet @ 8' bgs
		12.3		(9-10') CLAY, firm, greenish gray, moist, cohesive, high plasticity	CH	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-166-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/19/2016
Weather	: 60s, Sunny
Northing (US ft)	: 571,369.53
Easting (US ft)	: 1,461,878.58

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-166-SB-1	(0-7.5') Sandy SILT with slag GRAVEL, loose, brown and light bluish gray, dry, non plastic, non cohesive		
		0.8				
	70	15.4				
		15.8	B22-166-SB-4		ML	
		1.4				
5		-				
		-				
	50	2.5		(7.5-10') Slag GRAVEL and SAND with brick, loose, dark olive brown, moist to wet, non plastic, non cohesive		Wet at 8' bgs
		6.5			GP/SP	
		15.4				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-167-SB

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Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: C. Burger, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/18/2016
Weather	: 50s, Cloudy
Northing (US ft)	: 570,309.28
Easting (US ft)	: 1,461,779.48

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		14.1	B22-167-SB-1	(0-3') Slag GRAVEL with SILT and SAND, tan, dry, non cohesive	GM	
		4.2				
	100	29.7				Wet at 3' bgs (perched)
		1.9		(3-5') Silty to sandy CLAY, stiff, olive, dry, low to medium plasticity, brown mottling	CL	
		0.6	B22-167-SB-5			
5		0.4		(5-20') Silty to sandy CLAY, soft, olive gray, dry, cohesive, high plasticty, browm mottling		
		1.5				
	100	0.4				
		0.2				
		0.1	B22-167-SB-10			
10		0.2				
		0.1				
	67	0.1			CH	
		0.1				
		0.1				
15		0.1				
		0.1				
		0.1				
	100	0.1				
		0.1				
		0.1				Boring terminated at 20' bgs due to maximum allowable depth
20						

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-168-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26/2016
Weather	: 70s, Sunny
Northing (US ft)	: 569,885.52
Easting (US ft)	: 1,461,822.95

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-1') Concrete, dry, hard	-	
		90.8	B22-168-SB-1	(1-2') Slag GRAVEL, loose, coarse, dark gray-black, wet, non plastic, non cohesive	GP	
	90	22.7		(2-3') Silty SAND, dense, brown, moist, fine grained, non plastic, non cohesive	SM	
		16.8	B22-168-SB-4	(3-6.5') CLAY, medium stiff, tan with orange mottling, moist, cohesive, medium plasticity		
		10.8			CL	
5		-				
		14.5				Wet @ 6.5' bgs
				(6.5-10') CLAY, soft, tan with orange mottled laminations, wet, medium plasticity, cohesive		
	90	2.3				
		7.8			CL	
		6.5				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-169-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/26/2016
Weather	: 70s, Sunny
Northing (US ft)	: 569,879.02
Easting (US ft)	: 1,462,217.97

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-		(0-2') Concrete and subbase, hard, dry	-	
		10.6				
	80	37.6	B22-169-SB-1	(2-3') Well graded SAND and slag GRAVEL, loose, gray-light blue-tan, fine sand to coarse gravel, dry to 2.5' then wet to 3', non plastic, non cohesive	GW-SW	
		28.3	B22-169-SB-4	(3-7') SILT, very stiff, light tan with orange mottles, moist, non plastic, non cohesive		
		1.6				
5		-			ML	
		11.0				Wet @ 7' bgs
	90	0.1		(7-8') SILT, soft, tan, wet, cohesive, low plasticity	ML	
		-		(8-9') SAND with SILT, loose, fine to medium, tan, wet, non plastic, non cohesive	SM	
		0.1		(9-10') SILT, stiff, tan with orange mottles, moist, cohesive, non plastic	ML	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-170-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/1/2016
Weather	: 80s, Sunny
Northing (US ft)	: 568,461.74
Easting (US ft)	: 1,461,920.58

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		3.4	B22-170-SB-1	(0-2') Well graded SAND and GRAVEL, loose, tan to dark brown to blue-gray, dry, non plastic, non cohesive	SW/GW	
		8.8				
	100	30.0		(2-7') Gravelly SILT, some large gravel fragments, stiff, gray-green to dark brown, moist, non plastic, cohesive		
		36.6	B22-170-SB-4			
		3.7			ML	
5		-				
		3.2				Wet @ 7' bgs
	83	6.1		(7-9') CLAY, soft, dark gray-green, wet, cohesive, high plasticity	CH	
		4.1				
		0.6		(9-10') CLAY, medium stiff, tan with orange brown mottles, moist, cohesive, high plasticity	CH	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-171-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/16/2016
Weather	: 50s, cloudy
Northing (US ft)	: 567,694.00
Easting (US ft)	: 1,461,201.02

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		0.4	B22-171-SB-1	(0-0.2') ORGANIC SOIL, soft, medium brown, dry, non plastic, non cohesive	OL	
		0.4		(0.2-3.5') Sandy SILT, soft, medium brown, dry, non plastic, non cohesive	ML	
	100	0.9				
		0.9		(3.5-5') Silty SAND, loose, dark brown, dry to moist at bottom, non plastic, non cohesive	SP	
		1.1	B22-171-SB-5			
5		-		(5-8') Gravelly SAND, loose, dark brown, very moist, non plastic, non cohesive	SP	
		-				
	50	-				
		0.0		(8-10') CLAY, firm, gray-brown grading to light orange and tan, moist, cohesive, medium plasticity	CL	
		0.0	B22-171-SB-10			
10		0.4		(10-15') CLAY, soft, light beige and orange mottled, moist, cohesive, medium plasticity	CL	
		0.2				
	100	0.6				
		0.0				
		0.1				
15		0.0		(15-19') CLAY with trace sand, soft, light beige and orange mottled, very moist, cohesive, high plasticity	CH	
		0.0				
	100	0.0				
		0.0				Very sticky
		0.0		(19-20') CLAY, very soft, dark gray, very moist, cohesive, high plasticity	CH	Boring terminated at 20' bgs due to maximum allowable depth
20						

Total Borehole Depth: 20' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-172-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 5/16/2016
Weather	: 50s, Sunny
Northing (US ft)	: 568,292.24
Easting (US ft)	: 1,462,215.49

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-172-SB-1	(0-2') Gravelly SILT, soft, dark brown, dry, non plastic, non cohesive	ML	
		-				
				(2-2.5') Concrete, loose, light gray, dry, non plastic, non cohesive	GP	
	73	2.5		(2.5-4.2') Sandy CLAY,soft, tan, wet, medium plasticity, cohesive	CL	
		3.8				
		57.0	B22-172-SB-5	(4.2-5') Clayey SAND, medium dense, tan, moist, non plastic, cohesive	SP/SC	
5				(5-9.5') Sandy CLAY, soft, tan, moist, medium plasticity, cohesive		Petroleum odor
		-				
		-			CL	
	50	-				
		15.3				Wet 9.5' bgs
		3.8		(9.5-10') SAND, loose, tan, wet, non plastic, non cohesive	SP	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-173-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/2/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 568,331.72
Easting (US ft)	: 1,461,018.26

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-173-SB-1	(0-2.5') SILT grading to Sandy SILT, soft, brown, dry, non plastic, non cohesive	ML	
		0.1				
	78	1.5		(2.5-4') SAND with Slag GRAVEL, loose, brown, dry, non plastic, non cohesive	SP	
		0.8	B22-173-SB-4			Iron staining
		0.6		(4-10') Slag GRAVEL and SAND, loose, white, moist to wet, non plastic, non cohesive	GP/SP	
5		-				
		-				Wet at 6.5' bgs
	70	0.5				Green stained slag
		0.4				
		-				Boring terminated at 10' bgs
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-174-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Dumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/3/2016
Weather	: 78F, Mostly Cloudy
Northing (US ft)	: 571,259.37
Easting (US ft)	: 1,461,289.11

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-174-SB-1	(0-5') Well graded silty SAND and GRAVEL, loose, light tan, light gray, red, dark brown, dry to 4', moist 4-5', non cohesive,		
		0.4				
	77	4.3		Clay lense 2.8-3.0'	SM-GW	
		0.2	B22-174-SB-4			
		1.3				
5				(5-8') CLAY with trace GRAVEL, soft, brown and gray-green, wet, high plasticity, cohesive		Wet at 5'
		-				
		<0.2			CH	
	100	0.5				
				(8-10') CLAY, soft, gray-green, wet, high plasticity, cohesive, wood fragments		
		0.2			CH	
		0.2				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-175-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/3/2016
Weather	: 80s, Cloudy
Northing (US ft)	: 568,443.26
Easting (US ft)	: 1,461,545.00

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-175-SB-1	(0-2.5') Silty SAND and slag GRAVEL, soft, gray and brown, dry, non plastic, non cohesive	ML/GM	
		41.3				
	80	21.1		(2.5-3) Slag GRAVEL, loose, gray, dry, non plastic, non cohesive	GP	
				(3-3.5') CLAY, trace gravel, very soft, brown, very moist to wet, non plastic, non cohesive	CL	
		15.3	B22-175-SB-4	(3.5-5') Slag and brick GRAVEL and SAND, loose, yellow, gray and black, dry, non cohesive, non plastic	GP/SP	
		1.1				
5		-				Wet at 5.8' bgs
				(5.8-8.5') Slag GRAVEL and SAND, loose, light gray, wet, non plastic, non cohesive	GP/SP	
		15.5				
	93	20.3				
		9.8		(8.5-9.5') SILT, hard, gray, dry, cohesive, low plasticity	ML	
		8.4		(9.5-9.9') Brick GRAVEL, yellow, dry, loose, non cohesive, high plasticity	GP	Wet at 9.8' bgs Boring terminated at 10' bgs due to water
10				(9.9-10') CLAY with trace SAND, very soft, black, wet, high plasticity, cohesive	CH	

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-176-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: B. Gehman
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/6/2016
Weather	: 80s, Sunny, Windy
Northing (US ft)	: 570,733.53
Easting (US ft)	: 1,461,179.94

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-		(0-2') Concrete and cinders, white, dry	-	
		0.5				
	80	0.7	B22-176-SB-1	(2-5') GRAVEL with SAND and some slag, loose, gray to dark brown, dry to slightly moist, Slag is greenish gray.		
		0.0			SW/GW	
		0.0				
5				(5-9') SAND with GRAVEL, few cinder ballast gravels, dark brown, moist to wet at 8.5', non plastic, non cohesive		
		-				
		-				
					SW/GW	
	60	1.3	B22-176-SB-8			
		0.7				Wet at 8.5' bgs
				(9-9.5') SAND, fine grained, dark brown, wet, non plastic, non cohesive	SP	
		-		(9.5-10.0') GRAVEL with dark brown matrix, wet, non plastic, non cohesive	GW	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-177-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: B. Gehman
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/6/2016
Weather	: 70s, Sunny, Windy
Northing (US ft)	: 568,573.79
Easting (US ft)	: 1,462,348.17

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		1.2	B22-177-SB-1	(0-2.0') SILT with GRAVEL, dark brown, dry, non plastic, non cohesive	ML/GW	
		0.8				
	90	0.6		(2-3') GRAVEL with SAND and some clay, white to brown, slightly moist, non plastic, non cohesive	GW	
		0		(3-5') CLAY, soft to dense, brown to dark gray, moist, sticky, medium plasticity, cohesive	CL	
		0	B22-177-SB-5			
5		0		(5-7.5') CLAY, very soft, gray to greenish gray, moist to wet, sticky, medium plasticity, cohesive, some plant detritus	CL	Wet at 5'
	100	0.3				
		0				Boring terminated due to refusal at 7.5'
10						

Total Borehole Depth: 7.5' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-178-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G.
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/3/2016
Weather	: 75F, Cloudy, Light Rain
Northing (US ft)	: 571,494.17
Easting (US ft)	: 1,461,939.54

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-178-SB-1	(0-10') Well graded SAND and GRAVEL with traces silt and slag, medium dense, dark brown, dry to 7', sub rounded, non plastic, non cohesive		
		26.0				
	93	4.4				
		14.5				
		0.8				
5					SW/GW	
		-	B22-178-SB-6			
		24.5				
						Wet at 7' bgs
	87	10.5				
		10.4				
		9.5				Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-179-SB

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: B. Gehman
Checked by	: P. Vogel, P.G.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Date	: 6/6/2016
Weather	: 80s, Sunny, Windy
Northing (US ft)	: 568,362.32
Easting (US ft)	: 1,462,045.27

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
		-	B22-179-SB-1	(0-1.0') Well graded slag GRAVEL with SILT, loose, light gray, dry, non plastic, non cohesive	GW-GM	
		0.6		(1-4') SAND and GRAVEL with some slag, increasing gravel size, loose, dark brown, dry, non plastic, non cohesive Coarser gravel between 2'-4'		
	90	0.1			SW/GW	
		0.3				
		1.0		(4-7') CLAY, stiff, gray to dark gray, high plasticity, cohesive		
5		0.3	B22-179-SB-6		CH	
	90	3.2				Wet at 7' bgs
		2.2		(7-9') Fine grained SAND, orange to brown, wet, moderately cohesive, non plastic		
		0.1			SP	
		0.0		(9-10') Sandy CLAY, orangish brown, very moist, medium plasticity, cohesive	CL	Boring terminated at 10' bgs due to water
10						

Total Borehole Depth: 10' bgs.

APPENDIX C

PID CALIBRATION LOG

PROJECT NAME: Area B Parcel B22	SAMPLER NAME: L. Perrin, N. Kurtz, J. Yaple, B. Gehman, C. Burger
PROJECT NUMBER: 150300M-20-3	DATE: 6/28/2016 PAGE 1 of 1

DATE/TIME	PID SERIAL #	FRESH AIR CAL	STANDARD	STANDARD CONCENTRATION	METER READING	COMMENTS
5/16/2016 8:50	R3617	0.0	Isobutylene	100 ppm	100.0	NK
5/17/2016 7:50	R3617	0.0	Isobutylene	100 ppm	100.0	NK
5/18/2016 8:30	R3617	0.0	Isobutylene	100 ppm	100.0	LP
5/18/2016 8:35	592-913262	0.0	Isobutylene	100 ppm	99.7	LP
5/19/2016 8:10	592-913262	0.0	Isobutylene	100 ppm	104.7	LP
5/19/2016 8:15	R3617	0.0	Isobutylene	100 ppm	99.9	LP
5/20/2016 8:10	R3617	0.0	Isobutylene	100 ppm	98.9	LP
5/20/2016 8:15	592-913262	0.0	Isobutylene	100 ppm	98.9	CAB
5/23/2016 8:00	R3617	0.0	Isobutylene	100 ppm	99.8	LP
5/24/2016 7:50	R3617	0.0	Isobutylene	100 ppm	100.0	LP
5/25/2016 8:15	592-913262	0.0	Isobutylene	100 ppm	99.7	JY
5/25/2016 8:20	R3617	0.0	Isobutylene	100 ppm	100.0	LP
5/26/2016 8:00	592-913262	0.0	Isobutylene	100 ppm	100.0	JY
5/26/2016 8:00	R3617	0.0	Isobutylene	100 ppm	99.9	LP
5/27/2016 8:03	592-913262	0.0	Isobutylene	100 ppm	100.0	JY
5/27/2016 8:00	R3617	0.0	Isobutylene	100 ppm	99.9	LP
5/31/2016 8:10	592-913262	0.0	Isobutylene	100 ppm	100.0	JY
5/31/2016 8:15	R3617	0.0	Isobutylene	100 ppm	100.0	LP
6/1/2016 7:54	592-913262	0.0	Isobutylene	100 ppm	99.5	JY
6/1/2016 7:55	R3617	0.0	Isobutylene	100 ppm	100.0	LP
6/2/2016 7:30	R3617	0.0	Isobutylene	100 ppm	100.0	LP
6/2/2016 7:32	592-913262	0.0	Isobutylene	100 ppm	100.4	JY
6/3/2016 7:30	R3617	0.0	Isobutylene	100 ppm	103.0	LP
6/6/2016 8:20	R3617	0.0	Isobutylene	100 ppm	100.0	LP
6/6/2016 10:45	592-913262	0.0	Isobutylene	100 ppm	100.0	NK

APPENDIX D

Parcel B22 - IDW Drum Log
Phase II Investigation

Drum ID	Designation	Activity/Phase	Contents	Open Date
28-Hexane-10/13/15-B	Hazardous	Area B	Hexane	10/13/2015
493-Soil-5/16/16-B22	Non-haz.	Parcel B22	Soil	5/16/2016
494-Liners-5/16/16-B22	Non-haz.	Parcel B22	Liners	5/16/2016
495-PPE-5/16/16-B22	Non-haz.	Parcel B22	PPE	5/16/2016
496-Nitric Acid-5/16/16-B22	Non-haz.	Parcel B22	Nitric Acid	5/16/2016
497-Decon Water-5/16/16-B22	Non-haz.	Parcel B22	Decon Water	5/16/2016
498-PPE-5/18/16-B22	Non-haz.	Parcel B22	PPE	5/18/2016
499-Soil-5/18/16-B22	Non-haz.	Parcel B22	Soil	5/18/2016
500-Soil-5/20/16-B22	Non-haz.	Parcel B22	Soil	5/20/2016
501-Soil-5/19/16-B22	Non-haz.	Parcel B22	Soil	5/19/2016
502-Liners-5/19/16-B22	Non-haz.	Parcel B22	Liners	5/19/2016
505-PPE-5/24/16-B22	Non-haz.	Parcel B22	PPE	5/24/2016
506-Liners-5/26/16-B22	Non-haz.	Parcel B22	Liners	5/26/2016
507-Liners-5/26/16-B22	Non-haz.	Parcel B22	Liners	5/26/2016
508-Soil-5/26/16-B22	Non-haz.	Parcel B22	Soil	5/26/2016
509-Soil-5/26/16-B22	Non-haz.	Parcel B22	Soil	5/26/2016
510-Soil-5/31/16-B22	Non-haz.	Parcel B22	Soil	5/31/2016
511-Soil-5/31/16-B22	Non-haz.	Parcel B22	Soil	5/31/2016
512-Soil-5/31/16-B22	Non-haz.	Parcel B22	Soil	5/31/2016
513-PPE-5/31/16-B22	Non-haz.	Parcel B22	PPE	5/31/2016
514-Soil-6/1/16-B22	Non-haz.	Parcel B22	Soil	6/1/2016
515-Soil-6/2/16-B22	Non-haz.	Parcel B22	Soil	6/2/2016
516-PPE-6/2/16-B22	Non-haz.	Parcel B22	PPE	6/2/2016
517-Liners-6/2/16-B22	Non-haz.	Parcel B22	Liners	6/2/2016
518-Liners-6/2/16-B22	Non-haz.	Parcel B22	Liners	6/2/2016
519-Liners-6/2/16-B22	Non-haz.	Parcel B22	Liners	6/2/2016
520-Soil-6/6/16-B22	Non-haz.	Parcel B22	Soil	6/6/2016

APPENDIX E

TM13-PZM007
VOC (NE)

SVOC
Benz[a]anthracene: 0.073 J
Naphthalene: 23.3
Pentachlorophenol: 1.1 J

PCB
PCBs (total): 0.748
Dichlorobiphenyl: 0.145
Tetrachlorobiphenyl: 0.062
Trichlorobiphenyl: 0.542

TPH
DRO: 264 J

Inorganic
Vanadium (T): 135

TM15-PZM011
VOC (NE)

SVOC
Benz[a]anthracene: 0.04 J
Naphthalene: 29.5

PCB (NE)

TPH
DRO: 4,180

Inorganic
Arsenic (T): 12.8

TM15-PZM007
VOC (NE)

SVOC
1,1-Biphenyl: 3.6
Benz[a]anthracene: 0.078 J
Naphthalene: 113
Pentachlorophenol: 1.0 J

PCB (NE)

TPH
DRO: 1,870
GRO: 86.6 J

Inorganic
Thallium (T): 9.3 J
Vanadium (T): 806

FM-006-PZS
VOC (NE)

SVOC (NE)

TPH
DRO: 410 J

Inorganic
Manganese (D): 1,900
Thallium (D): 4.7 J

FM-005-PZS
VOC (NE)

SVOC
1,4-Dioxane: 0.94
Naphthalene: 3.0

TPH
DRO: 4,480

Inorganic
Vanadium (D): 731

FM-007-PZS
VOC
Chloroform: 0.67 J

SVOC (NE)

TPH
DRO: 131

Inorganic
Iron (D): 31,200
Manganese (D): 503

FM-017-PZS
VOC (NE)

SVOC
Benz[a]anthracene: 0.042 J
Naphthalene: 0.33

TPH
DRO: 625 J

Inorganic (NE)

FM-003-PZS
VOC
1,1-Dichloroethane: 20.1
1,1-Dichloroethene: 131
1,2-Dichloroethane: 22.8

SVOC
1,4-Dioxane: 89.6

TPH
DRO: 197

Inorganic
Cobalt (D): 60.9
Iron (D): 34,600
Manganese (D): 2,200

FM-013-PZS
VOC
Chloroform: 0.87 J

SVOC
1,4-Dioxane: 0.85
Naphthalene: 0.23

TPH
DRO: 1,020 J

Inorganic
Cobalt (D): 32.2
Iron (D): 243,000
Manganese (D): 11,400

FM-014-PZS
VOC (NE)

SVOC
1,4-Dioxane: 0.47
Benz[a]anthracene: 0.039 J

TPH
DRO: 156 J

Inorganic
Thallium (D): 3.8 J

FM-002-PZS
VOC (NE)

SVOC (NE)

TPH
DRO: 184 J

Inorganic (NE)

FM-016-PZS
VOC
1,1-Dichloroethane: 7.9
Chloroform: 1.8

SVOC
1,4-Dioxane: 15.8

TPH
DRO: 59.1 J

Inorganic
Manganese (D): 742

FM-015-PZS
VOC (NE)

SVOC (NE)

TPH
DRO: 57.8 J

Inorganic
Chromium VI (D): 62.0

FM05-PZM004
VOC (NE)

SVOC
Benz[a]anthracene: 0.044 J
Naphthalene: 108

TPH
DRO: 1,610

Inorganic (NE)

FM-001-PZS
VOC (NE)

SVOC (NE)

TPH
DRO: 48.4 J

Inorganic (NE)

SW-053-MWS
VOC (NE)

SVOC (NE)

TPH
DRO: 56.8 J

Inorganic
Cobalt (T): 77.7
Manganese (T): 1,620

Parcel B6
Parcel B16
Parcel B6
Parcel B22
Parcel B21
Parcel B2
Parcel B3

Finishing Mill GW Sample
Finishing Mill/Area B GW Sample
Parcel Boundary
(NE) = No Exceedances
(T) = Total
(D) = Dissolved

Parcel B22 Groundwater Locations
Shallow PAL Exceedances (ug/L)
August 2, 2019

Appx. E

ARM Group Inc.
Engineers and Scientists

0 150 300 600 Feet

Tradepoint Atlantic
Baltimore County, MD
EnviroAnalytics Group
ARM Project 150300M-20

APPENDIX F

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-033-SB/PZ

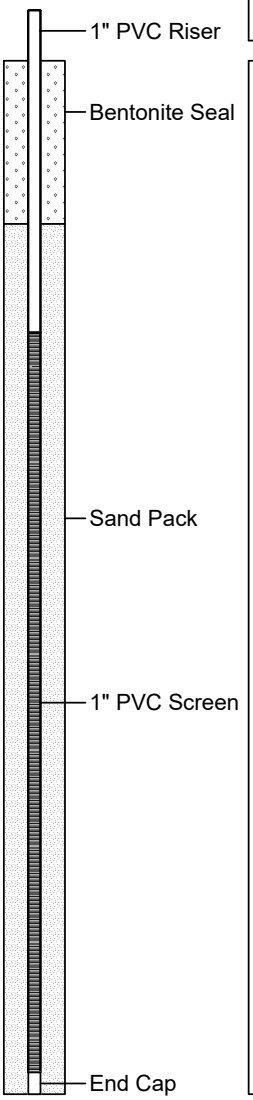
(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: M. Replogle, EIT
Drilling Company	: Green Services, Inc.
Driller	: A. Berenbrok-Niblett
Drilling Equipment	: Geoprobe 7782DT

Soil Boring Installation Date	: 5/24/2016
Piezometer Installation Date	: 5/25/2016
Casing/Riser/Screen Type	: PVC
Borehole Diameter	: 2.25"
Riser/Screen Diameter	: 1"
Northing (US ft)	: 570,370.05
Easting (US ft)	: 1,461,244.20
48-Hr DTW	: 4.41' TOC

No LNAPL or DNAPL detected at 0 or 48 hours

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-033-SB-1	(0-4') SILT with fine GRAVEL, soft, dark yellowish brown, dry then wet at 2.5' bgs, non-plastic, non-cohesive	ML	
	83	0.9				Wet at 2.5' bgs
		2.2				
		0.7				
		3.5		(4-5') SILT with fine GRAVEL and coarse GRAVEL/WOOD FRAGMENTS, soft, dark brown, wet, non-plastic, non-cohesive	ML	
5		-		(5-9.5') SILT with coarse BRICK, GRAVEL-sized, soft, black, wet, non-plastic, non-cohesive	ML	Strong pungent odor with dark non-viscous liquid with sheen from 7-10' bgs
	58	-				
		-				Dark amber liquid down borehole
		-				
		-				
				End of Boring		
10						



Boring terminated at 9.5' bgs due to refusal, water and piezometer installation
TOC: Top of PVC casing
DTW: Depth to water
bgs: Below ground surface
AMSL: Above mean sea level

Riser Stickup: 2.69'
Riser: 0 - 2.5' bgs
Screen: 2.5 - 9.5' bgs [Slot Size: 0.010"]
Sand Pack: 1.5 - 9.5' bgs [Grain Size: WG #1]
Bentonite Seal: 0 - 1.5' bgs [Grain Size: 0-0.5' bgs granular, 0.5-1' bgs chips, 1-1.5' bgs granular]

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-034-SB/PZ

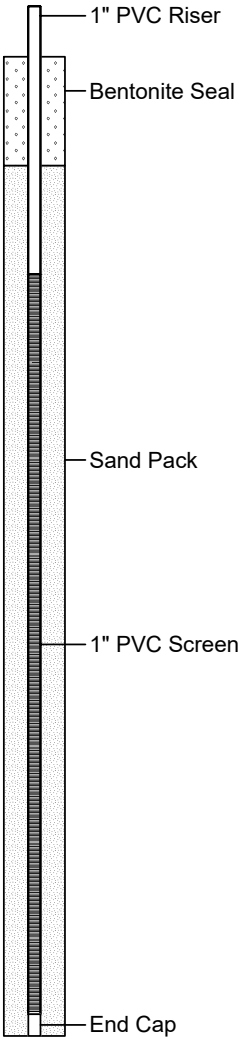
(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: M. Replogle, EIT
Drilling Company	: Green Services, Inc.
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7782DT

Soil Boring Installation Date	: 5/25/2016
Piezometer Installation Date	: 5/25/2016
Casing/Riser/Screen Type	: PVC
Borehole Diameter	: 2.25"
Riser/Screen Diameter	: 1"
Northing (US ft)	: 570,352.17
Easting (US ft)	: 1,461,250.85
48-Hr DTW	: 5.29' TOC

No LNAPL or DNAPL detected at 0 or 48 hours

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-034-SB-1	(0-3') SILT with fine GRAVEL, loose, brown, dry, non-plastic, non-cohesive	ML	
		-				
	57	0.8				Wet at 2.5' bgs
		12.3		(3-5') GRAVELLY SILT, soft, brown, wet, low plasticity, cohesive	ML	
		2.1				
5		-		(5-9') SANDY CLAY with fine GRAVEL, very soft, brown to dark brown, wet, high plasticity, cohesive		
		1.7				Strong odor with sheen from 7-10' bgs
	100				CH	
		0.7				
		0.8				
				End of Boring		
10						



Boring terminated at 9' bgs due to refusal, water and piezometer installation
TOC: Top of PVC casing
DTW: Depth to water
bgs: Below ground surface
AMSL: Above mean sea level

Riser Stickup: 2.88'
Riser: 0 - 2' bgs
Screen: 2 - 9' bgs [Slot Size: 0.010"]
Sand Pack: 1 - 9' bgs [Grain Size: WG #1]
Bentonite Seal: 0 - 1' bgs [Grain Size: 0-0.5' bgs chips and 0.5-1' bgs granular bentonite]

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-057-SB/PZ

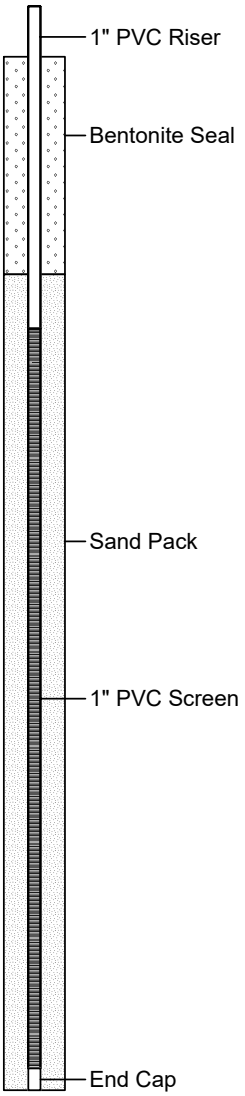
(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin/B. Gehman
Checked by	: M. Replogle, EIT
Drilling Company	: Green Services, Inc.
Driller	: D. Marchese, K. Pumphrey
Drilling Equipment	: Geoprobe 7782DT

Soil Boring Installation Date	: 5/31/2016
Piezometer Installation Date	: 6/08/2016
Casing/Riser/Screen Type	: PVC
Borehole Diameter	: 2.25"
Riser/Screen Diameter	: 1"
Northing (US ft)	: 569,346.63
Easting (US ft)	: 1,461,367.74
48-Hr DTW	: 5.76' TOC

No LNAPL or DNAPL detected at 0 or 48 hours

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS
0					
		-	B22-057-SB-1	(0-1') CLAY with SAND, soft, brown, moist, high plasticity, cohesive	CH
		-		(1-2') CONCRETE, loose, white, dry, non-plastic, non-cohesive	NA
	50	0.7		(2-5') SAND with SILT, fine to coarse, brown, very moist then wet at 4' bgs, non-plastic, non-cohesive	SW-SM
		0.1			
		0.3			
5					
		0.2		(5-9') SAND, medium to very coarse, loose, brown, wet, non-plastic, non-cohesive	SW
		0.1			
	100	0.1			
		0.6			
		0.7		(9-9.8') CONCRETE, loose, white, wet, non-plastic, non-cohesive	NA
10				(9.8-10') CLAY with SAND, very soft, greenish gray, high plasticity, cohesive	CH
				End of Boring	



REMARKS

Wet at 4' bgs

Moderate odor with sheen from 9.8-10' bgs

Boring terminated at 9' bgs due to refusal, water and piezometer installation
TOC: Top of PVC casing
DTW: Depth to water
bgs: Below ground surface
AMSL: Above mean sea level

Riser Stickup: 2.71'
Riser: 0 - 2.5' bgs
Screen: 2.5 - 9' bgs [Slot Size: 0.010"]
Sand Pack: 2 - 9' bgs [Grain Size: WG #1]
Bentonite Seal: 0 - 2' bgs [Grain Size: Granular bentonite (30-50 mesh)]

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-067-SB/PZ

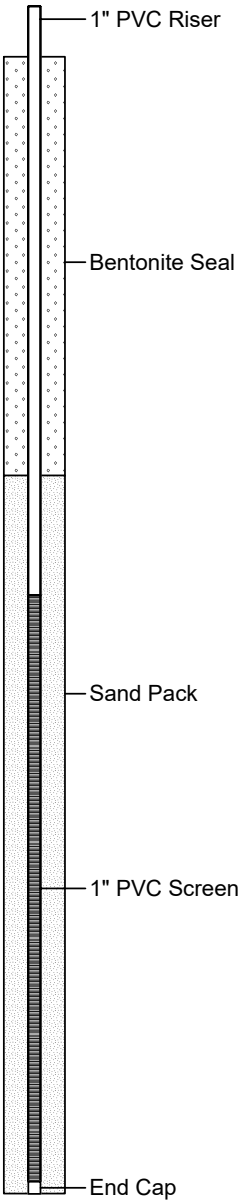
(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: M. Replogle, EIT
Drilling Company	: Green Services, Inc.
Driller	: A. Berenbrok-Niblett
Drilling Equipment	: Geoprobe 7782DT

Soil Boring Installation Date	: 5/20/2016
Piezometer Installation Date	: 5/20/2016
Casing/Riser/Screen Type	: PVC
Borehole Diameter	: 2.25"
Riser/Screen Diameter	: 1"
Northing (US ft)	: 570,698.50
Easting (US ft)	: 1,461,876.76
0-Hr DTW	: 19.23' TOC
48-Hr DTW	: 4.44' TOC

No LNAPL or DNAPL detected at 0 or 48 hours

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-067-SB-1	(0-4.5') SLAG, SAND and GRAVEL-sized, loose, gray, dry, non-plastic, non-cohesive	GP/SP	
	40	- 464 665 637				
5		-		(4.5-6') SLAG GRAVEL with SILT, loose, gray and yellowish brown, dry, non-plastic, non-cohesive	GP-GM	
		240	B22-067-SB-7	(6-6.5') SANDY GRAVEL, loose, black, very moist, non-plastic, non-cohesive	GP/SP	Thin, greasy amber product with strong odor from 6-6.5' bgs;
	100	587 48.5		(6.5-10') CLAY, firm to very firm, greenish gray then light yellowish brown and light olive brown from 7.5-10' bgs, dry, high plasticity, cohesive	CH	
10		158	B22-067-SB-10			
	100	- - - - -		(10-19') CLAY, very soft, yellowish brown, wet to very moist, high plasticity, cohesive	CH	Wet at 12' bgs
15						
				End of Boring		
20						



Boring terminated at 19' bgs due to water and piezometer installation
TOC: Top of PVC casing
DTW: Depth to water
bgs: Below ground surface
AMSL: Above mean sea level

Riser Stickup: 1.69'
Riser: 0 - 9' bgs
Screen: 9 - 19' bgs [Slot Size: 0.010"]
Sand Pack: 7 - 19' bgs [Grain Size: WG #1]
Bentonite Seal: 0 - 7' bgs [Grain Size: 0-6.5' bgs chips and 6.5-7' bgs granular]

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-106-SB/PZ

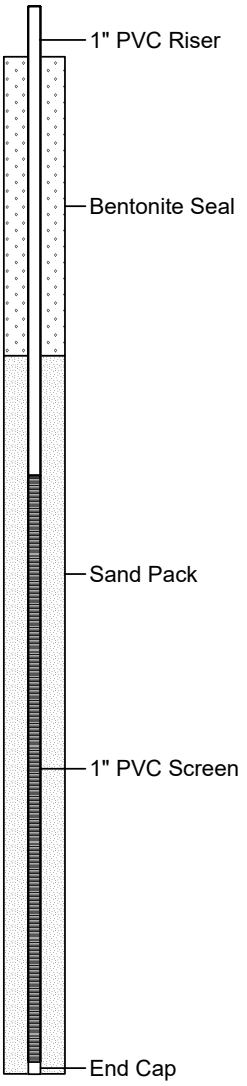
(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: M. Replogle, EIT
Drilling Company	: Green Services, Inc.
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7782DT

Soil Boring Installation Date	: 5/25/2016
Piezometer Installation Date	: 5/25/2016
Casing/Riser/Screen Type	: PVC
Borehole Diameter	: 2.25"
Riser/Screen Diameter	: 1"
Northing (US ft)	: 570,437.30
Easting (US ft)	: 1,461,400.00
48-Hr DTW	: 3.58' TOC

No LNAPL or DNAPL detected at 0 or 48 hours

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-106-SB-1	(0-1') CONCRETE, loose, white, dry, non-plastic, non-cohesive	NA	
	80	77.1 6.7 1.6 0.4		(1-5') CLAY with trace SAND, very soft to firm, olive yellow, very moist to dry then very moist 7.5-9.8' bgs, high plasticity, cohesive	CH	
5		-		(5-9.8') CLAY, firm to very firm, greenish gray then light yellowish brown and light olive brown from 7.5-10' bgs, dry, high plasticity, cohesive		
	50	- 5.6	B22-106-SB-8.5		CH	Wet at 10' bgs
		1.1				
		1.1	B22-106-SB-10			Sheen with strong odor 9.8-15' bgs Possible product 9.8-10' bgs
10		-		(9.8-15') SAND, loose, black, wet, non-plastic, non-cohesive		
	10	- - - -			SP	
15		-		(15-17') NO RECOVERY		
	0	-			-	
				End of Boring		
20						



Boring terminated at 17' bgs due to water and piezometer installation
TOC: Top of PVC casing
DTW: Depth to water
bgs: Below ground surface
AMSL: Above mean sea level

Riser Stickup: 3.46'
Riser: 0 - 7' bgs
Screen: 7 - 17' bgs [Slot Size: 0.010"]
Sand Pack: 5 - 17' bgs [Grain Size: WG #1]
Bentonite Seal: 0 - 5' bgs [Grain Size: 0-0.5' bgs chips and 0.5-5' bgs granular]

ARM Group Inc.
Engineers and Scientists

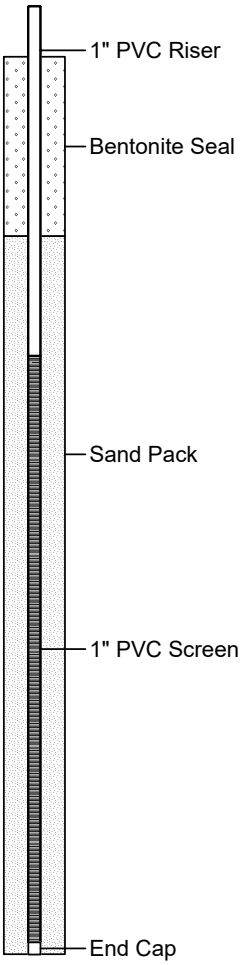
Boring ID: B22-111-SB/PZ

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: M. Replogle, EIT
Drilling Company	: Green Services, Inc.
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7782DT

Soil Boring Installation Date	: 5/25/2016
Piezometer Installation Date	: 5/25/2016
Casing/Riser/Screen Type	: PVC
Borehole Diameter	: 2.25"
Riser/Screen Diameter	: 1"
Northing (US ft)	: 570,453.91
Easting (US ft)	: 1,461,528.70
48-Hr DTW	: 6.42' TOC

No LNAPL or DNAPL detected at 0 or 48 hours

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-111-SB-1	(0-2.5') SILTY CLAY, hard, brownish yellow, dry, medium plasticity, cohesive	CH	
		0.1				
	80	0.1		(2.5-5') CLAY, hard to very firm, brownish yellow, dry, high plasticity, cohesive	CH	
		0.1				
		0.1				
5		0.5		(5-8') CLAY with trace SAND, soft to very soft, pale olive and pale greenish gray, very moist, high plasticity, cohesive	CL	Very saturated clay 5-8' bgs
		6.2				
	100	9.1	B22-111-SB-8			Wet at 8' bgs
		2.5		(8-9.2') SLAG, GRAVEL-sized, loose, black, wet, non-plastic, non-cohesive	GP	Product with slight sheen and light to moderate odor from 8-9.2' bgs
		0.6		(9.2-10') CLAY with trace SAND, very firm, pale olive and pale greenish gray, dry, high plasticity, cohesive	CH	
10		-		(10-15') CLAY, very soft, light grayish olive, very moist, high plasticity, cohesive	CH	
		-				
	100	0.1				
		0.1				
		0.1				
15				End of Boring		
20						



Boring terminated at 15' bgs due to water and piezometer installation
TOC: Top of PVC casing
DTW: Depth to water
bgs: Below ground surface
AMSL: Above mean sea level

Riser Stickup: 3.17'
Riser: 0 - 5' bgs
Screen: 5 - 15' bgs [Slot Size: 0.010"]
Sand Pack: 3 - 15' bgs [Grain Size: WG #1]
Bentonite Seal: 0 - 3' bgs [Grain Size: 0-0.5' bgs granular, 0.5-2.5' bgs chips, and 2.5-3' bgs granular]

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-119-SB/PZ

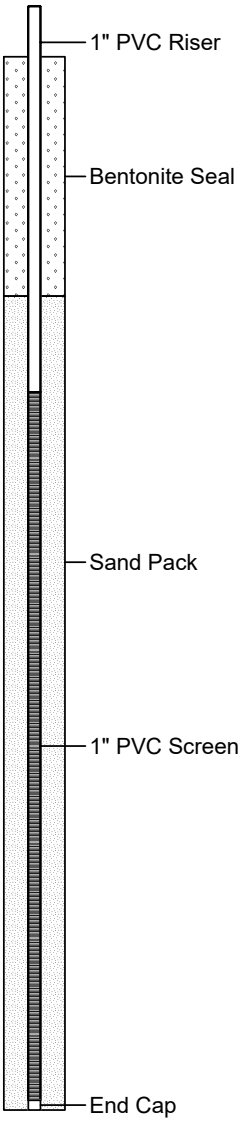
(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: M. Replogle, EIT
Drilling Company	: Green Services, Inc.
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7782DT

Soil Boring Installation Date	: 5/19/2016
Piezometer Installation Date	: 5/19/2016
Casing/Riser/Screen Type	: PVC
Borehole Diameter	: 2.25"
Riser/Screen Diameter	: 1"
Northing (US ft)	: 571,293.47
Easting (US ft)	: 1,461,187.62
0-Hr DTW	: 11.82' TOC
48-Hr DTW	: 10.93' TOC

No LNAPL or DNAPL detected at 0 or 48 hours

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-119-SB-1	(0-0.5') TOPSOIL with small roots, soft, brown, dry, non-plastic, non-cohesive	OL	
		-		(0.5-2.5') SILT, loose, brown, dry, non-plastic, non-cohesive	ML	
	70	1.0		(2.5-2.7') BRICK, loose, yellow, dry, non-plastic, non-cohesive	NA	
		1.6		(2.7-4.1') SILT with trace SAND, loose, dark olive brown, dry, non-plastic, cohesive	ML	
		6.2				
5		17.4		(4.1-9') CLAY, firm grading to soft, light olive brown to olive, moist to dry, high plasticity, cohesive, few slag gravel and wood 7.5-9' bgs	CH	
		49.1				
	100	98.8				Wood fragments and black streaks
		123	B22-119-SB-9			
		115	B22-119-SB-10	(9-14.8') CLAY, soft, olive, moist to dry, high plasticity, cohesive		Product present (9-10' bgs), black, viscous, sticky
10		-				
		-			CH	
	50	33.3				
		50.3				
		6.3				Wet at 14.8' bgs
15		0.1		(14.8-15') CLAYEY SAND, loose, olive, wet, non-plastic, non-cohesive	SC	
		0.0		(15-18') SANDY CLAY with GRAVEL, very soft, olive, wet, high plasticity, cohesive	CH	Highly saturated clay from 15-18' bgs
	100	0.0				
		0.0		(18-22') CLAY, trace SAND, soft, olive to pale olive, very moist, high plasticity, cohesive		
		0.0				
20		-			CH	
	100	-				
				End of Boring		
25						



Boring terminated at 22' bgs due to water and piezometer installation
TOC: Top of PVC casing
DTW: Depth to water
bgs: Below ground surface
AMSL: Above mean sea level

Riser Stickup: 2.63'
Riser: 0 - 7' bgs
Screen: 7 - 22' bgs [Slot Size: 0.010"]
Sand Pack: 5 - 22' bgs [Grain Size: WG #1]
Bentonite Seal: 0 - 5' bgs [Grain Size: 0-0.5' bgs granular, 0.5-4.5' bgs chips, and 4.5-5' bgs granular]

ARM Group Inc.
Engineers and Scientists

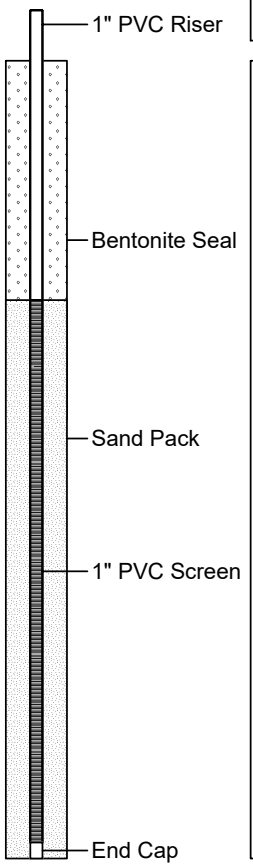
Boring ID: B22-128-SB/PZ

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple/B. Gehman
Checked by	: M. Replogle, EIT
Drilling Company	: Green Services, Inc.
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7782DT

Soil Boring Installation Date	: 6/02/2016
Piezometer Installation Date	: 6/06/2016
Casing/Riser/Screen Type	: PVC
Borehole Diameter	: 2.25"
Riser/Screen Diameter	: 1"
Northing (US ft)	: 568,602.47
Easting (US ft)	: 1,462,229.45
0-Hr DTW	: 5.40' TOC
48-Hr DTW	: 5.39' TOC
0-Hr and 48-Hr NAPL	: 48-Hr: 5.37' TOC

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0		-	B22-128-SB-1	(0-4') SAND and GRAVEL, fine to coarse, loose, dark brown and gray to light gray, dry, non-plastic, non-cohesive, sub angular, few very coarse gravel fragments at depth	SW/GW	
	83	2.2				
		4.4				
		5.2				
		9.0		(4-8') FILL, large WOOD FRAGMENTS and coarse GRAVEL in oil/grease matrix, crude oil consistency	NA	Product present 4-5' bgs
5		-				
		-				
	100	-				
		-		(8-10') CLAYEY SAND, fine, black, wet, non-plastic, non-cohesive, sticky	SC	Wet at 8' bgs
		-				
10				End of Boring		
15						



Boring terminated at 10' bgs due to water and piezometer installation
TOC: Top of PVC casing
DTW: Depth to water
bgs: Below ground surface
AMSL: Above mean sea level

Riser Stickup: 2.05'
Riser: 0 - 3' bgs
Screen: 3 - 10' bgs [Slot Size: 0.010"]
Sand Pack: 2 - 10' bgs [Grain Size: WG #1]
Bentonite Seal: 0 - 2' bgs [Grain Size: Granular bentonite (30-50 mesh)]

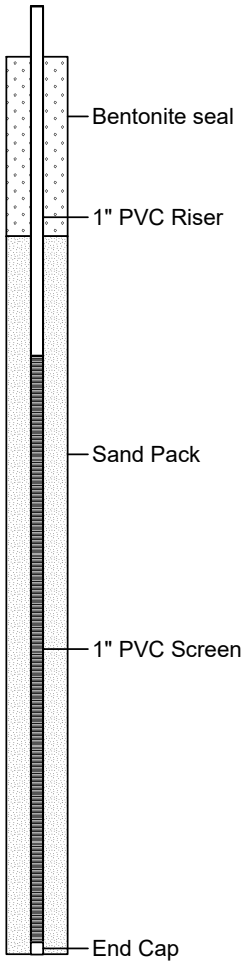
ARM Group Inc.
Engineers and Scientists

Boring ID: B22-129-SB/PZ

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: J. Yaple, P.G., B. Gehman
Checked by	: M. Replogle, E.I.T.
Drilling Company	: Green Services, Inc
Driller	: Kevin Pumphrey
Drilling Equipment	: Geoprobe 7822DT

Soil Boring Installation Date	: 6/2/2016; 6/6/2016
Piezometer Installation Date	: 6/6/2019
Casing/Riser/Screen Type	: PVC
Borehole Diameter	: 2.25"
Riser/Screen Diameter	: 1"
Northing (US ft)	: 568,602.47
Easting (US ft)	: 1,462,229.45
48-Hr DTW	: 9.11' TOC
No LNAPL or DNAPL at 0 or 48 hours	

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS
0		-	B22-129-SB-1	(0-3.5') SLAG, SAND and GRAVEL-sized, loose, light gray and light brown, dry, non-plastic, non-cohesive, subangular	SW/GW
	83	2.2			
		7.6			
		11.0	B22-129-SB-4		
5		2.9		(3.5-7') SLAG, GRAVEL and SAND-sized, loose, brown, wet, non plastic, non cohesive, angular	GW/SW
		-			
		0.1			
	75	0.2		(7-10') SILTY SAND with GRAVEL, very loose, light brown, wet, non-plastic, non-cohesive	SM/GW
		0.1			
		0.2			
10		-		(10-13.5') CLAYEY SAND, fine, medium dense, gray, very wet to moist, low plasticity, cohesive	CL
		-			
	80	-			
		-		(13.5-15') CLAY, soft, light to medium brown, moist to wet, medium plasticity, cohesive, sticky	CH
15		-		End of boring	
20					



Wet at 7' bgs

Product with sheen from 9-10' bgs

Staining from 9-13' bgs

Boring terminated at 15' bgs due to water and piezometer installation
TOC: Top of PVC casing
DTW: Depth to water
bgs: Below ground surface
AMSL: Above mean sea level

Riser Stickup: 2.60'
Riser: 0 - 5' bgs
Screen: 5 - 15' bgs [Slot Size: 0.010"]
Sand Pack: 3 - 15' bgs [Grain Size: WG #1]
Bentonite Seal: 0 - 3' bgs [Grain Size: Granular bentonite (30-50 mesh)]

ARM Group Inc.
Engineers and Scientists

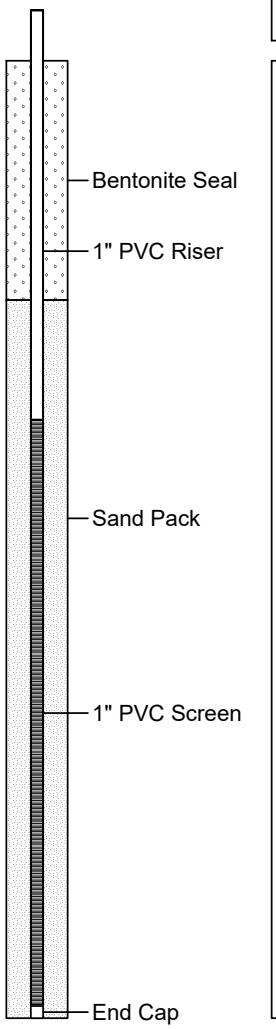
Boring ID: B22-153-SB/PZ

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: M. Replogle, E.I.T.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Soil Boring Installation Date	: 5/19/2016
Piezometer Installation Date	: 5/19/2016
Casing/Riser/Screen Type	: PVC
Borehole Diameter	: 2.25"
Riser/Screen Diameter	: 1"
Northing (US ft)	: 571,347.23
Easting (US ft)	: 1,460,907.74
0-Hr DTW	: 11.52' TOC
48-Hr DTW	: 11.39' TOC
No LNAPL or DNAPL at 0 or 48 hours	

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS
0					
	100	9.1	B22-153-SB-1	(0-0.3') ORGANIC SILTY CLAY, soft, brown, moist, low plasticity to medium plasticity,	OL
		152			CH
				(0.3-1.3') CLAY, soft, strong brown, moist, high plasticity, cohesive	SP
		458		(1.3-2.8') GRAVELLY SAND, loose, black grading to dark olive brown, dry, non-plastic, non-cohesive	CH
		941	B22-153-SB-4		
		451		(2.8-3') CLAY, soft, strong brown, dry to moist, high plasticity, cohesive	ML
5				(3-5') SILT with GRAVEL, soft, olive brown, dry, non-plastic, non-cohesive	
		40.4		(5-9') SAND with GRAVEL, loose, dark brown, dry, non-plastic, non-cohesive	SP
	100	23.4			
		11.8			
		10.7			
		9.7		(9-10') GRAVEL with SAND, loose, black, wet, non-plastic, non-cohesive	GW
10		-		10-14 nr	
		-			
	20	-			
		-			
		0.0		(14-15') SAND with GRAVEL, loose, dark red, wet, non-plastic, non-cohesive	SP
15	100	0.0		(15-16') GRAVEL with SAND, loose, very dark brown, wet, non-plastic, non-cohesive	GW
				End of boring	
20					



Evidence of contamination

Wet at 9' bgs

Boring terminated at 16' bgs due to water and piezometer installation
TOC: Top of PVC casing
DTW: Depth to water
bgs: Below ground surface
AMSL: Above mean sea level

Riser Stickup: 2.67'
Riser: 0 - 6' bgs
Screen: 6 - 16' bgs [Slot Size: 0.010"]
Sand Pack: 4 - 16' bgs [Grain Size: WG #1]
Bentonite Seal: 0 - 4' bgs [Grain Size: 0-0.5' bgs granular, 0.5-3.5' bgs chips, 3.5-4' bgs granular]

ARM Group Inc.
Engineers and Scientists

Boring ID: B22-161-SB/PZ

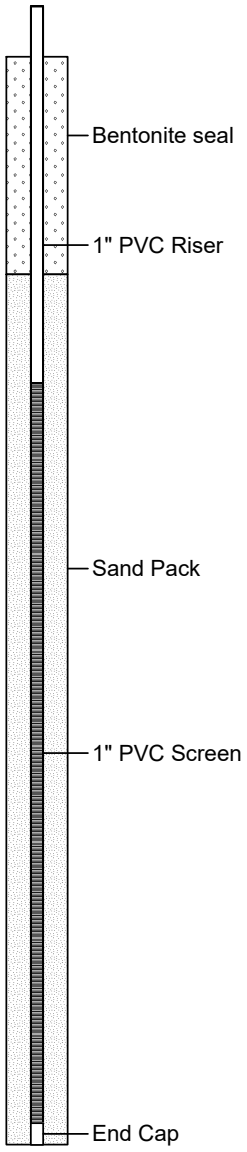
(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: M. Replogle, E.I.T.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Soil Boring Installation Date	: 6/1/2016
Piezometer Installation Date	: 6/6/2016
Casing/Riser/Screen Type	: PVC
Borehole Diameter	: 2.25"
Riser/Screen Diameter	: 1"
Northing (US ft)	: 569,186.58
Easting (US ft)	: 1,460,934.10
48-Hr DTW	: 6.35' TOC

No LNAPL or DNAPL detected at 0 or 48 hours

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS	REMARKS
0						
	60	-	B22-161-SB-1	(0-3.5') SILT with trace GRAVEL, medium dense, brown, dry, low plasticity, cohesive	ML	
		-				
		6.7				
		9.7	B22-161-SB-4.5	(3.5-4') CONCRETE, loose, gray, dry, non plastic, non cohesive	NA	
		0.0		(4-5') SANDY SILT with GRAVEL, loose, dark brown to black, moist then wet at 4.5' bgs, non plastic, non cohesive	ML	Wet at 4.5' bgs
5		-		(5-8.5') SANDY SLAG, GRAVEL-sized, loose, black, wet, non plastic, non cohesive	GW/SW	Sheen, sweet odor from 5-8.5' bgs
		-				
	30	-				
		-		(8.5-10') CLAY, slightly dense to dense, pale brown to light gray, slightly moist, high plasticity, cohesive	CH	
		0.1				
10				End of boring		



Boring terminated at 10' bgs due to water and piezometer installation
TOC: Top of PVC casing
DTW: Depth to water
bgs: Below ground surface
AMSL: Above mean sea level

Riser Stickup: 2.25'
Riser: 0 - 3' bgs
Screen: 3 - 10' bgs [Slot Size: 0.010"]
Sand Pack: 2 - 10' bgs [Grain Size: WG #1]
Bentonite Seal: 0 - 2' bgs [Grain Size: Granular bentonite (30-50 mesh)]

ARM Group Inc.
Engineers and Scientists

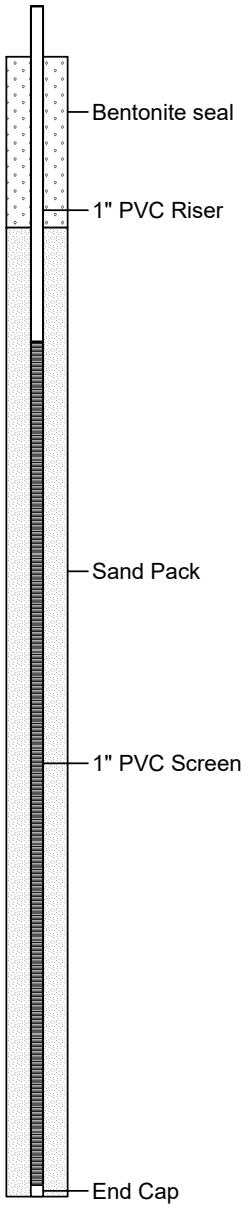
Boring ID: B22-163-SB/PZ

(page 1 of 1)

Client	: EnviroAnalytics Group
ARM Project No.	: 150300M-20-3
Project Description	: Sparrows Point - Parcel B22
Site Location	: Sparrows Point, MD
ARM Representative	: L. Perrin
Checked by	: M. Replogle, E.I.T.
Drilling Company	: Green Services, Inc
Driller	: Don Marchese
Drilling Equipment	: Geoprobe 7822DT

Soil Boring Installation Date	: 5/27/2016; 6/3/2016
Piezometer Installation Date	: 6/9/2016
Casing/Riser/Screen Type	: PVC
Borehole Diameter	: 2.25"
Riser/Screen Diameter	: 1"
Northing (US ft)	: 569,621.04
Easting (US ft)	: 1,460,987.39
48-Hr DTW	: 7.13' TOC
No LNAPL or DNAPL at 0 or 48 hours	

Depth (ft.)	% Recovery	PID Reading (PPM)	Sample No/Interval	DESCRIPTION	USCS
0		-		(0-1') CONCRETE, loose, white, dry, non-plastic, non-cohesive	-
		-	B22-163-SB-1	(1-4') SLAG, GRAVEL-sized, fine, loose, brown, wet, non-plastic, non-cohesive	
	50	113			GP
		169			
		86.1	B22-163-SB-5	(4-5') CLAY with SAND, soft, olive brown, very moist, high plasticity, cohesive	CH
5		-		(5-8') CLAY with SAND, firm, olive brown, moist to dry, high plasticity, cohesive	
		17.8			CH
	100	35.0			
		70.7		(8-10') CLAY with SAND, very soft to firm, olive brown, wet, high plasticity, cohesive	CH
		66.4			
10		-		Piezometer installation later date: (10-20') CLAY, soft, gray, high plasticity, cohesive	
		-			
	100	-			
		-			
		-			
15		-			CH
		-			
	100	-			
		-			
		-			
20				End of boring	



Thick brownish black product present with strong sweet smell and sheen

Wet at 8' bgs

Boring terminated at 20' bgs due to water and piezometer installation
TOC: Top of PVC casing
DTW: Depth to water
bgs: Below ground surface
AMSL: Above mean sea level

Riser Stickup: 3.50'
Riser: 0 - 5' bgs
Screen: 5 - 20' bgs [Slot Size: 0.010"]
Sand Pack: 3 - 20' bgs [Grain Size: WG #1]
Bentonite Seal: 0 - 3' bgs [Grain Size: Granular bentonite (30-50 mesh)]

APPENDIX G

NAPL Gauging Activities
Parcel B22
Tradepoint Atlantic
Sparrows Point, Maryland

Sample ID	Installation Date	Abandonment Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	5/19/2016			5/20/2016			5/23/2016			5/25/2016		
						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	+	+	+
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	+	+	+
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69	NA	NA	NA	-	19.23	-	-	4.26	-	NM	NM	NM
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	+	+	+
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	+	+	+
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63	-	11.82	-	-	11.23	-	-	10.93	-	NM	NM	NM
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67	-	11.52	-	-	11.54	-	-	11.39	-	NM	NM	NM
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NA = Not Applicable
NM = Not Measured
SHADED = NAPL Detection
bgs = below ground surface
TOC = Top of Casing
* indicates depths measured as bgs and converted to the equivalent TOC value.
+ a measurement was not recorded due to inoperable equipment
^ indicates piezometer was missing or destroyed during abandonment attempt

NAPL Gauging Activities
Parcel B22
Tradepoint Atlantic
Sparrows Point, Maryland

Sample ID	Installation Date	Abandonment Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	5/26/2016			6/2/2016			6/6/2016			6/8/2016		
						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05	NA	NA	NA	NA	NA	NA	-	5.40	-	**5.37**	**5.39**	**0.02**
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69	NM	NM	NM	-	4.86	-	NM	NM	NM	NM	NM	NM
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88	NM	NM	NM	-	5.29	-	NM	NM	NM	NM	NM	NM
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71	NA	NA	NA	NA	NA	NA	NM	NM	NM	+	+	+
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69	NM	NM	NM	-	7.09	-	NM	NM	NM	NM	NM	NM
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46	NM	NM	NM	-	3.58	-	NM	NM	NM	NM	NM	NM
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75	+	+	+	-	6.42	-	NM	NM	NM	NM	NM	NM
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63	NM	NM	NM	-	11.15	-	NM	NM	NM	NM	NM	NM
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60	NA	NA	NA	NA	NA	NA	+	+	+	-	9.11	-
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67	NM	NM	NM	-	11.52	-	NM	NM	NM	NM	NM	NM
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25	NA	NA	NA	NA	NA	NA	+	+	+	NA	NA	NA
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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NAPL Gauging Activities
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Sparrows Point, Maryland

Sample ID	Installation Date	Abandonment Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	6/10/2016			7/22/2016			7/26/2016			7/27/2016		
						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05	NM	NM	NM	**2.02**	**8.71**	**6.69**	NM	NM	NM	NM	NM	NM
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	18.44	-
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85	NA	NA	NA	NA	NA	NA	-	20.73	-	NM	NM	NM
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67	NA	NA	NA	NA	NA	NA	-	18.01	-	NM	NM	NM
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75	NA	NA	NA	NA	NA	NA	-	9.77	-	NM	NM	NM
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	9.32	-
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75	-	9.30	-	-	8.87	-	NM	NM	NM	NM	NM	NM
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92	-	5.27	-	**5.21**	**-**	**6.67**	NM	NM	NM	NM	NM	NM
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75	-	9.51	-	-	9.03	-	NM	NM	NM	NM	NM	NM
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73	NA	NA	NA	**2.75**	**9.09**	**6.34**	NM	NM	NM	NM	NM	NM
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69	NM	NM	NM	-	2.40	-	NM	NM	NM	NM	NM	NM
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88	NM	NM	NM	-	5.28	-	NM	NM	NM	NM	NM	NM
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71	-	5.76	-	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69	NM	NM	NM	-	6.40	-	NM	NM	NM	NM	NM	NM
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46	NM	NM	NM	-	4.47	-	NM	NM	NM	NM	NM	NM
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75	NM	NM	NM	-	6.03	-	NM	NM	NM	NM	NM	NM
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63	NM	NM	NM	-	11.31	-	NM	NM	NM	NM	NM	NM
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60	NM	NM	NM	-	8.76	-	NM	NM	NM	NM	NM	NM
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67	NM	NM	NM	-	11.25	-	NM	NM	NM	NM	NM	NM
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25	NA	NA	NA	-	6.35	-	NM	NM	NM	NM	NM	NM
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50	+	+	+	-	7.13	-	NM	NM	NM	NM	NM	NM

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NAPL Gauging Activities
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Sparrows Point, Maryland

Sample ID	Installation Date	Abandonment Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	7/28/2016			8/1/2016			8/26/2016			8/28/2016		
						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05	NM	NM	NM	NM	NM	NM	3.50	7.53	4.03	NM	NM	NM
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96	NM	NM	NM	-	8.67	-	-	9.02	-	NM	NM	NM
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85	-	9.07	-	NM	NM	NM	-	8.56	-	-	9.07	-
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67	-	9.29	-	NM	NM	NM	-	8.79	-	-	9.29	-
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75	-	9.83	-	NM	NM	NM	-	9.43	-	-	9.83	-
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83	NM	NM	NM	-	8.06	-	-	8.76	-	NM	NM	NM
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

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NAPL Gauging Activities
Parcel B22
Tradepoint Atlantic
Sparrows Point, Maryland

Sample ID	Installation Date	Abandonment Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	8/31/2016			9/22/2016			9/28/2016			10/7/2016		
						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05	**3.50**	**7.53**	**4.03**	**5.36**	**6.50**	**1.14**	**5.41**	**6.17**	**0.76**	**5.34**	**5.48**	**0.14**
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96	-	9.02	-	-	9.83	-	-	9.85	-	-	8.94	-
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85	-	8.56	-	-	9.35	-	-	9.42	-	-	8.53	-
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67	-	8.79	-	-	9.58	-	-	9.57	-	-	8.79	-
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75	-	9.43	-	-	10.10	-	-	10.13	-	-	9.42	-
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83	-	8.76	-	-	9.71	-	-	9.58	-	-	8.79	-
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75	NM	NM	NM	-	9.49	-	-	9.53	-	-	8.59	-
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92	NM	NM	NM	**5.26**	**6.19**	**0.93**	**5.29**	**6.15**	**0.86**	**1.90**	**5.47**	**3.57**
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75	NM	NM	NM	NM	NM	NM	NM	NM	NM	-	8.77	-
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73	NM	NM	NM	-	9.68	-	-	9.71	-	-	8.76	-
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71	-	5.77	-	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

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NAPL Gauging Activities
Parcel B22
Tradepoint Atlantic
Sparrows Point, Maryland

Sample ID	Installation Date	Abandonment Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	10/10/2016			10/11/2016			10/12/2016			10/19/2016		
						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05	NM	NM	NM	NM	NM	NM	**5.33**	**5.45**	**0.12**	**4.95**	**5.40**	**0.45**
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96	NM	NM	NM	NM	NM	NM	-	9.27	-	-	9.51	-
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85	NM	NM	NM	NM	NM	NM	-	8.83	-	-	9.07	-
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67	NM	NM	NM	NM	NM	NM	-	9.13	-	-	9.37	-
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75	NM	NM	NM	NM	NM	NM	-	9.71	-	-	9.90	-
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83	NM	NM	NM	NM	NM	NM	-	9.21	-	-	9.45	-
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75	NM	NM	NM	NM	NM	NM	-	8.88	-	-	9.10	-
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92	NM	NM	NM	NM	NM	NM	**5.19**	**5.28**	**0.09**	**4.60**	**4.76**	**0.16**
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75	NM	NM	NM	NM	NM	NM	-	9.16	-	-	9.43	-
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73	NM	NM	NM	NM	NM	NM	-	9.13	-	-	9.39	-
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69	Abandoned											
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88	Abandoned											
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71	Abandoned											
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69	NM	NM	NM	Abandoned								
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46	Abandoned											
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75	Abandoned											
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63	NM	NM	NM	Abandoned								
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60	Abandoned											
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67	NM	NM	NM	Abandoned								
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25	Abandoned											
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50	Damaged											

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Sample ID	Installation Date	Abandonment Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	10/26/2016			11/1/2016			11/11/2016			11/18/2016		
						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05	**5.33**	**5.65**	**0.32**	**5.40**	**8.68**	**3.28**	**5.52**	**6.51**	**0.99**	**5.50**	**7.25**	**1.75**
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96	-	9.62	-	-	9.74	-	-	9.98	-	-	10.10	-
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85	-	9.17	-	-	9.30	-	-	9.52	-	-	9.64	-
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67	-	9.48	-	-	9.59	-	-	9.76	-	-	9.88	-
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75	-	10.02	-	-	10.12	-	-	10.28	-	-	10.40	-
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83	-	9.60	-	-	9.71	-	-	9.84	-	-	9.95	-
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75	-	9.22	-	-	9.33	-	-	9.53	-	-	9.69	-
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92	**5.18**	**5.45**	**0.27**	**5.20**	**8.55**	**3.35**	**5.43**	**6.82**	**1.39**	**5.36**	**7.25**	**1.89**
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75	-	9.57	-	-	9.67	-	-	9.85	-	-	10.03	-
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73	-	9.49	-	-	9.61	-	-	9.82	-	-	9.95	-
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69												
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88												
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71												
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69												
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46												
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75												
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63												
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60												
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67												
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25												
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50												

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Sample ID	Installation Date	Abandonment Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	12/2/2016			12/9/2016			12/16/2016			12/22/2016		
						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05	**5.60**	**6.16**	**0.56**	**5.14**	**5.60**	**0.46**	**5.61**	**6.65**	**1.04**	**5.56**	**7.76**	**2.20**
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96	-	9.60	-	-	9.13	-	-	9.54	-	-	9.46	-
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85	-	9.26	-	-	8.82	-	-	9.12	-	-	9.06	-
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67	-	9.42	-	-	8.93	-	-	9.39	-	-	9.37	-
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75	-	10.03	-	-	9.61	-	-	9.95	-	-	9.93	-
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83	-	9.19	-	-	8.61	-	-	9.37	-	-	9.32	-
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75	-	9.15	-	-	8.76	-	-	9.05	-	-	8.97	-
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92	**1.93**	**6.42**	**4.49**	**5.21**	**5.85**	**0.64**	**5.30**	**8.23**	**2.93**	**5.62**	**7.25**	**1.63**
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75	-	9.30	-	-	8.73	-	-	9.40	-	-	9.30	-
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73	-	9.47	-	-	8.98	-	-	9.40	-	-	9.34	-
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69												
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88												
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71												
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69												
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46												
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75												
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63												
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60												
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67												
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25												
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50												

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NAPL Gauging Activities
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Sample ID	Installation Date	Abandonment Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	12/29/2016			1/5/2017			1/12/2017			1/19/2017		
						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05	**5.56**	**7.28**	**1.72**	**5.45**	**5.62**	**0.17**	**5.50**	**5.58**	**0.08**	**5.42**	**6.50**	**1.08**
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96	-	9.48	-	-	9.24	-	-	9.46	-	-	9.45	-
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85	-	9.10	-	-	8.86	-	-	9.06	-	-	9.07	-
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67	-	9.45	-	-	9.20	-	-	9.42	-	-	9.53	-
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75	-	9.97	-	-	9.73	-	-	9.91	-	-	10.00	-
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83	-	9.44	-	-	9.09	-	-	9.37	-	-	9.45	-
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75	-	8.97	-	-	8.75	-	-	8.93	-	-	8.94	-
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92	**5.24**	**7.55**	**2.31**	**5.30**	**6.08**	**0.78**	**5.10**	**5.65**	**0.55**	**5.23**	**5.86**	**0.63**
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75	-	9.38	-	-	9.07	-	-	9.33	-		9.37	-
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73	-	9.36	-	-	9.09	-	-	9.32	-	-	9.35	-
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69												
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88												
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71												
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69												
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46												
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75												
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63												
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60												
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67												
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25												
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50												

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Sample ID	Installation Date	Abandonment Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	1/26/2017			2/2/2017			2/9/2017			2/16/2017		
						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05	**5.00**	**5.75**	**0.75**	**5.45**	**6.74**	**1.29**	**5.86**	**6.92**	**1.06**	**5.50**	**5.57**	**0.07**
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96	-	9.27	-	NM	NM	NM	-	9.96*	-	NM	NM	NM
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85	-	8.90	-	Damaged								
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67	-	9.31	-	-	9.68	-	-	9.88	-	-	10.14	-
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75	-	8.82	-	NM	NM	NM	-	10.29	-	NM	NM	NM
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83	-	8.14	-	-	9.60	-	-	9.79	-	-	10.00	-
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75	-	8.83	-	-	9.15	-	-	9.31	-	-	9.55	-
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92	**5.20**	**5.65**	**0.45**	NM	NM	NM	**5.38**	**5.87**	**0.49**	**5.46**	**5.63**	**0.17**
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75	-	8.08	-	-	9.54	-	-	9.76	-	-	9.96	-
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73	-	9.15	-	-	9.51	-	-	9.72	-	-	9.93	-
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69												
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88												
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71												
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69												
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46												
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75												
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63												
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60												
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67												
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25												
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50												

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Sample ID	Installation Date	Abandonment Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	3/28/2017			4/5/2017			4/13/2017			4/21/2017		
						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05	**5.55**	**6.75**	**1.20**	**5.51**	**7.15**	**1.64**	**5.92**	**6.97**	**1.05**	**5.55**	**6.98**	**1.43**
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96	-	10.16*	-	-	9.24*	-	-	9.34*	-	-	9.67*	-
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85												
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67	-	10.16	-	-	9.27*	-	-	9.42*	-	-	9.83*	-
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75	-	10.54	-	-	9.36	-	-	9.51*	-	-	9.96*	-
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83	-	10.07	-	-	9.76	-	-	9.43	-	-	9.76	-
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75	-	9.58	-	-	8.29	-	-	8.92	-	-	9.20	-
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92	**5.45**	**6.50**	**1.05**	**5.72**	**6.91**	**1.19**	**5.63**	**6.43**	**0.80**	**5.32**	**6.30**	**0.98**
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75	-	9.96	-	-	9.17	-	-	9.34	-	-	9.65	-
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73	-	9.92	-	-	8.85	-	-	8.93	-	-	9.42	-
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69												
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88												
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71												
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69												
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46												
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75												
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63												
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60												
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67												
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25												
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50												

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Sample ID	Installation Date	Abandonment Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	4/28/2017			5/3/2017			5/30/2017			5/30/2017		
						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05	**5.51**	**7.11**	**1.60**	**5.63**	**7.15**	**1.52**	**5.40**	**5.80**	**0.40**	**5.25**	**7.70**	**2.45**
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96	-	9.87*	-	-	9.92*	-	-	6.50	-	-	9.90*	-
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85												
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67	-	10.00*	-	-	10.09*	-	-	6.76	-	-	9.85*	-
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75	-	10.17*	-	-	10.25*	-	-	7.00	-	-	10.07*	-
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83	-	9.86	-	-	9.81	-	**trace**	**9.00**	**trace**	-	9.65	-
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75	-	9.37	-	-	9.45	-	-	9.95	-	-	9.37	-
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92	**5.28**	**6.49**	**1.21**	**5.33**	**6.47**	**1.14**	**5.00**	**5.30**	**0.30**	**5.09**	**6.20**	**1.11**
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75	-	9.78	-	-	9.79	-	-	9.60	-	-	9.63	-
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73	-	9.59	-	-	9.67	-	-	8.89	-	-	9.55	-
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69												
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88												
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71												
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69												
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46												
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75												
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63												
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60												
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67												
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25												
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50												

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Sample ID	Installation Date	Abandonment Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	6/16/2017			5/8/2018			5/9/2018		
						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05	Abandoned								
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96	Abandoned								
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85	Abandoned								
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67	Abandoned								
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75	Abandoned								
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83	Abandoned								
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75	Abandoned								
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92	Abandoned								
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75	Abandoned								
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73	Abandoned								
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69									
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88									
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71									
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69									
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46									
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75									
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63									
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	NA	NA	NA	-	17.11	-	NM	NM	NM
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	NA	NA	NA	-	27.37	-	NM	NM	NM
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NA	NA	NA	NA	NA	NA	-	14.13	-
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NA	NA	NA	NA	NA	NA	-	26.95	-
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60									
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67									
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25									
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50									

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						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05									
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96									
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85									
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67									
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75									
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83									
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75									
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92									
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75									
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73									
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69									
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88									
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71									
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69									
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46									
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75									
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63									
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	-	11.62	-	NM	NM	NM	-	11.70	-
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	-	14.18	-	NM	NM	NM	-	8.51	-
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NM	NM	NM	-	14.16	-	-	16.43	-
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NM	NM	NM	**14.33**	**14.47**	**0.14**	**15.30**	**15.32**	**0.02**
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60									
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67									
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25									
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50									

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						Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
B22-128-PZ	6/6/2016	6/16/2017	10	3-10	2.05									
B22-128A-PZ	7/27/2016	6/16/2017	20	5-20	2.96									
B22-128B-PZ	7/26/2016	6/16/2017	20	5-20	2.85									
B22-128C-PZ	7/26/2016	6/16/2017	20	5-20	2.67									
B22-128D-PZ	7/26/2016	6/16/2017	20	5-20	2.75									
B22-128F-PZ	7/26/2016	6/16/2017	20	5-20	2.83									
B22-128-PZ-N	6/18/2016	6/16/2017	20	5-20	2.75									
B22-128-PZ-S	6/8/2016	6/16/2017	10	3-10	1.92									
B22-128-PZ-E	6/8/2016	6/16/2017	20	5-20	2.75									
B22-128-PZ-W	6/9/2016	6/16/2017	20	5-20	2.73									
B22-033-PZ	5/25/2016	10/10/2016	9.5	2.5-9.5	2.69									
B22-034-PZ	5/25/2016	10/10/2016	9	2-9	2.88									
B22-057-PZ	6/8/2016	10/10/2016	9.5	2.5-9.5	2.71									
B22-067-PZ	5/20/2016	10/11/2016	19	9-19	1.69									
B22-106-PZ	5/25/2016	10/10/2016	17	7-17	3.46									
B22-111-PZ	5/25/2016	10/10/2016	15	5-15	2.75									
B22-119-PZ	5/19/2016	10/11/2016	22	7-22	2.63									
B22-119-PZ	5/8/2018	NA	20	5-20	2.86	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-119I-PZ	5/8/2018	NA	24	5-24	3.13	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-119J-PZ	5/9/2018	NA	16	5-16	4.13	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-119K-PZ	5/9/2018	NA	24.5	4.5-24.5	5.45	NM	NM	NM	NM	NM	NM	NM	NM	NM
B22-119L-PZ	10/12/2018	NA	17	7-17	4.83	-	15.76	-	-	15.88	-	-	15.21	-
B22-119M-PZ	10/12/2018	NA	18	8-18	5.05	-	14.91	-	-	15.03	-	-	14.55	-
B22-119N-PZ	10/12/2018	NA	20	10-20	5.05	-	15.64	-	-	15.40	-	-	14.61	-
B22-119O-PZ	10/12/2018	NA	20	10-20	2.69	-	15.84	-	-	15.73	-	-	14.83	-
B22-119P-PZ	10/12/2018	NA	20	10-20	1.00	-	15.79	-	-	14.63	-	-	13.79	-
B22-119Q-PZ	10/12/2018	NA	19	9-19	3.86	-	19.48	-	-	17.17	-	-	16.12	-
B22-129-PZ	6/2/2016	10/10/2016	15	5-15	2.60									
B22-153-PZ	5/19/2016	10/11/2016	16	6-16	2.67									
B22-161-PZ	6/6/2016	10/10/2016	10	3-10	2.25									
B22-163-PZ	6/9/2016	^10/10/2016	20	5-20	3.50									

NA = Not Applicable
NM = Not Measured
SHADED = NAPL Detection
bgs = below ground surface
TOC = Top of Casing
* indicates depths measured as bgs and converted to the equivalent TOC value.
+ a measurement was not recorded due to inoperable equipment
^ indicates piezometer was missing or destroyed during abandonment attempt

APPENDIX H

QA/QC Tracking Log - Set 1

Date:		Sample IDs		
5/16/2016	1)	B22-141-SB-1		
	2)	B22-141-SB-5		
	3)	B22-140-SB-1		
	4)	B22-140-SB-5		
	5)	B22-140-SB-10		
	6)	B22-139-SB-1		
	7)	B22-139-SB-4	Duplicate:	B22-139-SB-4
	8)	B22-172-SB-1	Date:	5/16/2016
	9)	B22-172-SB-5	MS/MSD:	B22-138-SB-8
	10)	B22-138-SB-1	Date:	5/16/2016
	11)	B22-138-SB-8	Field Blank:	
	12)	B22-138-SB-10	Date:	5/16/2016
	13)	B22-142-SB-1	Eq. Blank:	
	14)	B22-142-SB-5	Date:	5/16/2016
	15)	B22-137-SB-1		
	16)	B22-137-SB-8		
	17)	B22-143-SB-1		
	18)	B22-143-SB-5		
	19)	B22-143-SB-10		
5/17/2016	20)	B22-171-SB-1		

Date:		Sample IDs		
5/18/2016	1)	B22-043-SB-4		
	2)	B22-043-SB-10		
	3)	B22-167-SB-1		
	4)	B22-167-SB-5		
	5)	B22-167-SB-10		
	6)	B22-126-SB-1		
	7)	B22-126-SB-6	Duplicate:	B22-125-SB-4
	8)	B22-126-SB-10	Date:	5/18/2016
	9)	B22-125-SB-1	MS/MSD:	B22-127-SB-7
	10)	B22-125-SB-4	Date:	5/18/2016
	11)	B22-125-SB-10	Field Blank:	
	12)	B22-127-SB-1	Date:	5/18/2016
	13)	B22-127-SB-7	Eq. Blank:	
	14)	B22-127-SB-10	Date:	5/18/2016
	15)	B22-117-SB-1		
	16)	B22-117-SB-4		
	17)	B22-117-SB-10		
	18)	B22-118-SB-1		
	19)	B22-118-SB-9		
	20)	B22-118-SB-10		

5/17/2016	1)	B22-171-SB-5		
	2)	B22-171-SB-10		
	3)	B22-131-SB-1		
	4)	B22-131-SB-5		
	5)	B22-132-SB-1		
	6)	B22-132-SB-5		
	7)	B22-041-SB-1	Duplicate:	B22-078-SB-7.5
	8)	B22-041-SB-5	Date:	5/17/2016
	9)	B22-041-SB-10	MS/MSD:	B22-131-SB-5
	10)	B22-048-SB-1	Date:	5/17/2016
	11)	B22-048-SB-5	Field Blank:	
	12)	B22-048-SB-10	Date:	5/17/2016
	13)	B22-078-SB-1	Eq. Blank:	
	14)	B22-078-SB-7.5	Date:	5/17/2016
	15)	B22-073-SB-1		
	16)	B22-073-SB-5		
5/18/2016	17)	B22-048-SB-1		
	18)	B22-048-SB-5		
	19)	B22-048-SB-10		
	20)	B22-043-SB-1		

5/18/2016	1)	B22-062-SB-1		
	2)	B22-062-SB-4		
	3)	B22-071-SB-1		
	4)	B22-071-SB-4		
	5)	B22-100-SB-1		
	6)	B22-100-SB-6		
	7)	B22-100-SB-10	Duplicate:	B22-152-SB-6
	8)	B22-158-SB-1	Date:	5/19/2016
	9)	B22-158-SB-8	MS/MSD:	B22-031-SB-4
	10)	B22-158-SB-10	Date:	5/19/2016
5/19/2016	11)	B22-099-SB-1	Field Blank:	
	12)	B22-099-SB-7	Date:	5/18/2016
	13)	B22-099-SB-9.5	Eq. Blank:	
	14)	B22-152-SB-1	Date:	5/18/2016
	15)	B22-152-SB-6		
	16)	B22-031-SB-1		
	17)	B22-031-SB-4		
	18)	B22-031-SB-10		
	19)	B22-148-SB-1		
	20)	B22-148-SB-6		

Trip Blanks: 5/16/16 (2), 5/17/16 (2), 5/18/16 (3), 5/19/16 (2)

QA/QC Tracking Log - Set 1

Date:		Sample IDs		
5/19/2016	1)	B22-148-SB-10		
	2)	B22-149-SB-1		
	3)	B22-149-SB-8		
	4)	B22-121-SB-1		
	5)	B22-121-SB-9		
	6)	B22-121-SB-10		
	7)	B22-120-SB-1	Duplicate:	B22-114-SB-8
	8)	B22-120-SB-8	Date:	5/19/2016
	9)	B22-114-SB-1	MS/MSD:	B22-113-SB-4
	10)	B22-114-SB-8	Date:	5/20/2016
	11)	B22-114-SB-10	Field Blank:	1
	12)	B22-116-SB-1	Date:	5/19/2016
	13)	B22-116-SB-8.5	Eq. Blank:	
	14)	B22-116-SB-10	Date:	5/19/2016
5/20/2016	15)	B22-112-SB-1		
	16)	B22-112-SB-4		
	17)	B22-112-SB-10		
	18)	B22-113-SB-1		
	19)	B22-113-SB-4		
	20)	B22-157-SB-1		

Date:		Sample IDs		
5/26/2016	1)	B22-013-SB-1		
	2)	B22-013-SB-4		
	3)	B22-014-SB-1		
	4)	B22-014-SB-5		
	5)	B22-014-SB-10		
	6)	B22-036-SB-1		
	7)	B22-036-SB-4	Duplicate:	B22-053-SB-8
	8)	B22-035-SB-1	Date:	5/26/2016
	9)	B22-054-SB-1	MS/MSD:	B22-054-SB-4
	10)	B22-054-SB-4	Date:	5/26/2016
	11)	B22-054-SB-10	Field Blank:	
	12)	B22-053-SB-1	Date:	5/26/2016
	13)	B22-053-SB-8	Eq. Blank:	
	14)	B22-053-SB-10	Date:	5/27/2016
5/27/2016	15)	B22-037-SB-1		
	16)	B22-038-SB-1		
	17)	B22-165-SB-1		
	18)	B22-165-SB-4		
	19)	B22-164-SB-1		
	20)	B22-164-SB-6		

5/20/2016	1)	B22-156-SB-1		
	2)	B22-156-SB-4.5		
	3)	B22-109-SB-1		
	4)	B22-109-SB-4.5		
	5)	B22-110-SB-1		
	6)	B22-110-SB-4		
	7)	B22-101-SB-1	Duplicate:	B22-156-SB-4.5
	8)	B22-101-SB-5	Date:	5/20/2016
	9)	B22-102-SB-1	MS/MSD:	B22-101-SB-5
	10)	B22-102-SB-5	Date:	5/20/2016
5/25/2016	11)	B22-034-SB-1	Field Blank:	
	12)	B22-111-SB-1	Date:	5/20/2016
	13)	B22-111-SB-8	Eq. Blank:	
	14)	B22-106-SB-1	Date:	5/20/2016
	15)	B22-106-SB-8.5		
5/26/2016	16)	B22-107-SB-1		
	17)	B22-107-SB-5		
	18)	B22-107-SB-10		
	19)	B22-108-SB-1		
	20)	B22-108-SB-5		

5/27/2016	1)	B22-163-SB-1		
	2)	B22-163-SB-5		
	3)	B22-162-SB-1		
	4)	B22-162-SB-5		
	5)	B22-094-SB-1		
	6)	B22-094-SB-4		
	7)	B22-090-SB-1	Duplicate:	B22-090-SB-1
	8)	B22-090-SB-5	Date:	5/27/2016
	9)	B22-065-SB-1	MS/MSD:	B22-058-SB-7
	10)	B22-065-SB-7	Date:	5/31/2016
	11)	B22-065-SB-10	Field Blank:	
	12)	B22-057-SB-1	Date:	5/27/2016
	13)	B22-058-SB-1	Eq. Blank:	
	14)	B22-058-SB-7	Date:	5/27/2016
5/31/2016	15)	B22-058-SB-10		
	16)	B22-064-SB-1		
	17)	B22-064-SB-7		
	18)	B22-104-SB-1		
	19)	B22-104-SB-4		
	20)	B22-105-SB-1		

Trip Blanks: 5/19/16 (2), 5/20/16 (2), 5/25/16 (1), 5/26/16 (1), 5/27/16 (2), 5/31/16 (2)

QA/QC Tracking Log - Set 1

Date:		Sample IDs		
5/31/2016	1)	B22-105-SB-4		
	2)	B22-105-SB-10		
	3)	B22-103-SB-1		
	4)	B22-103-SB-4		
	5)	B22-021-SB-1		
	6)	B22-021-SB-4		
	7)	B22-022-SB-1	Duplicate:	B22-103-SB-4
	8)	B22-022-SB-7	Date:	5/31/2016
	9)	B22-010-SB-1	MS/MSD:	B22-146-SB-5
	10)	B22-010-SB-4	Date:	6/1/2016
	11)	B22-009-SB-1	Field Blank:	
	12)	B22-009-SB-6	Date:	5/31/2016
6/1/2016	13)	B22-074-SB-1	Eq. Blank:	
	14)	B22-146-SB-1	Date:	5/31/2016
	15)	B22-146-SB-5		
	16)	B22-147-SB-1		
	17)	B22-147-SB-5.5		
	18)	B22-151-SB-1		
	19)	B22-150-SB-1		
	20)	B22-150-SB-5		

Date:		Sample IDs		
6/2/2016	1)	B22-093-SB-1		
	2)	B22-093-SB-5		
	3)	B22-093-SB-10		
	4)	B22-077-SB-1		
	5)	B22-077-SB-5		
	6)	B22-056-SB-1		
	7)	B22-056-SB-5	Duplicate:	B22-077-SB-1
	8)	B22-055-SB-1	Date:	6/2/2016
	9)	B22-055-SB-8.5	MS/MSD:	B22-093-SB-5
6/3/2016	10)	B22-065-SB-1	Date:	6/2/2016
	11)	B22-065-SB-7	Field Blank:	
	12)	B22-065-SB-10	Date:	6/2/2016
	13)	B22-038-SB-1	Eq. Blank:	
	14)	B22-165-SB-1	Date:	6/2/2016
	15)	B22-165-SB-4		
	16)	B22-164-SB-1		
	17)	B22-164-SB-6		
	18)	B22-094-SB-1		
	19)	B22-094-SB-4		
	20)	B22-090-SB-1		

6/1/2016	1)	B22-160-SB-1		
	2)	B22-161-SB-1		
	3)	B22-161-SB-4.5		
	4)	B22-122-SB-1		
	5)	B22-123-SB-1		
	6)	B22-124-SB-1		
	7)	B22-124-SB-4	Duplicate:	B22-124-SB-4
	8)	B22-072-SB-1	Date:	6/1/2016
6/2/2016	9)	B22-061-SB-1	MS/MSD:	B22-050-SB-4.5
	10)	B22-061-SB-5	Date:	6/2/2016
	11)	B22-173-SB-1	Field Blank:	
	12)	B22-173-SB-4	Date:	6/1/2016
	13)	B22-049-SB-1	Eq. Blank:	
	14)	B22-049-SB-5	Date:	6/1/2016
	15)	B22-050-SB-1		
	16)	B22-050-SB-4.5		
	17)	B22-091-SB-1		
	18)	B22-091-SB-4		
	19)	B22-092-SB-1		
	20)	B22-092-SB-4		

6/3/2016	1)	B22-090-SB-5		
	2)	B22-163-SB-1		
	3)	B22-163-SB-5		
	4)	B22-162-SB-1		
	5)	B22-162-SB-5		
	6)	B22-095-SB-1		
	7)	B22-095-SB-6	Duplicate:	B22-175-SB-1
	8)	B22-175-SB-1	Date:	6/3/2016
	9)	B22-175-SB-4	MS/MSD:	B22-095-SB-6
6/6/2016	10)	B22-177-SB-1	Date:	6/3/2016
	11)	B22-177-SB-5	Field Blank:	
	12)	B22-179-SB-1	Date:	6/3/2016
	13)	B22-179-SB-6	Eq. Blank:	
	14)	B22-176-SB-1	Date:	6/3/2016
	15)	B22-176-SB-8		
	16)			
	17)			
	18)			
	19)			
	20)			

Trip Blanks: 5/31/16 (2), 6/1/16 (2), 6/2/16 (2), 6/3/16 (2), 6/6/16 (1)

QA/QC Tracking Log - Set 2

Date:		Sample IDs	
5/19/2016	1)	B22-159-SB-1	
	2)	B22-153-SB-1	
	3)	B22-153-SB-4	
	4)	B22-119-SB-1	
	5)	B22-119-SB-9	
	6)	B22-119-SB-10	
	7)	B22-115-SB-1	Duplicate: B22-166-SB-4
	8)	B22-115-SB-5	Date: 5/19/2016
	9)	B22-166-SB-1	MS/MSD: B22-119-SB-9
	10)	B22-166-SB-4	Date: 5/19/2016
	11)	B22-012-SB-1	Field Blank:
	12)	B22-012-SB-4	Date: 5/19/2016
5/20/2016	13)	B22-011-SB-1	Eq. Blank:
	14)	B22-011-SB-4	Date: 5/19/2016
	15)	B22-155-SB-1	
	16)	B22-155-SB-5	
	17)	B22-154-SB-1	
	18)	B22-154-SB-5	
	19)	B22-006-SB-1	
	20)	B22-006-SB-7	

Date:		Sample IDs	
5/23/2016	1)	B22-026-SB-9	
	2)	B22-025-SB-4	
	3)	B22-060-SB-1	
	4)	B22-060-SB-4	
	5)	B22-059-SB-1	
	6)	B22-059-SB-4	
5/24/2016	7)	B22-097-SB-1	Duplicate: B22-098-SB-4
	8)	B22-097-SB-9	Date: 5/24/2016
	9)	B22-098-SB-1	MS/MSD: B22-096-SB-9
	10)	B22-098-SB-4	Date: 5/24/2016
	11)	B22-098-SB-10	Field Blank:
	12)	B22-096-SB-1	Date: 5/24/2016
	13)	B22-096-SB-9	Eq. Blank:
	14)	B22-096-SB-10	Date: 5/24/2016
	15)	B22-028-SB-1	
	16)	B22-030-SB-1	
	17)	B22-030-SB-5	
	18)	B22-030-SB-10	
	19)	B22-029-SB-1	
	20)	B22-029-SB-6	

5/20/2016	1)	B22-005-SB-1	
	2)	B22-005-SB-4	
	3)	B22-005-SB-10	
	4)	B22-144-SB-1	
	5)	B22-144-SB-7	
	6)	B22-145-SB-1	
	7)	B22-145-SB-4	Duplicate: B22-023-SB-1
	8)	B22-145-SB-10	Date: 5/23/2016
	9)	B22-067-SB-1	MS/MSD: B22-032-SB-4
	10)	B22-067-SB-7	Date: 5/23/2016
	11)	B22-067-SB-10	Field Blank:
5/23/2016	12)	B22-024-SB-1	Date: 5/20/2016
	13)	B22-024-SB-4	Eq. Blank:
	14)	B22-023-SB-1	Date: 5/20/2016
	15)	B22-023-SB-9	
	16)	B22-023-SB-10	
	17)	B22-032-SB-1	
	18)	B22-032-SB-4	
	19)	B22-032-SB-10	
	20)	B22-026-SB-1	

5/24/2016	1)	B22-027-SB-1	
	2)	B22-027-SB-5	
	3)	B22-033-SB-1	
5/25/2016	4)	B22-069-SB-1	
	5)	B22-069-SB-4	
	6)	B22-069-SB-10	
	7)	B22-068-SB-1	Duplicate: B22-069-SB-4
	8)	B22-068-SB-6	Date: 5/25/2016
	9)	B22-068-SB-10	MS/MSD: B22-068-SB-6
	10)	B22-070-SB-1	Date: 5/25/2016
	11)	B22-070-SB-9	Field Blank:
	12)	B22-070-SB-10	Date: 5/25/2016
	13)	B22-088-SB-1	Eq. Blank:
	14)	B22-088-SB-6	Date: 5/25/2016
	15)	B22-087-SB-1	
	16)	B22-087-SB-5	
	17)	B22-087-SB-10	
	18)	B22-089-SB-1	
	19)	B22-089-SB-5	
5/26/2016	20)	B22-169-SB-1	

.

Trip Blanks: 5/19/16 (1), 5/20/16 (2), 5/23/16 (1), 5/24/16 (2), 5/25/16 (2), 5/26/16 (1)

QA/QC Tracking Log - Set 2

Date:		Sample IDs	
5/26/2016	1)	B22-169-SB-4	
	2)	B22-168-SB-1	
	3)	B22-168-SB-4	
	4)	B22-084-SB-1	
	5)	B22-086-SB-1	
	6)	B22-086-SB-5	
	7)	B22-086-SB-10	Duplicate: B22-169-SB-4
	8)	B22-085-SB-1	Date: 5/26/2016
	9)	B22-051-SB-1	MS/MSD: B22-168-SB-4
	10)	B22-051-SB-6	Date: 5/26/2016
	11)	B22-051-SB-10	Field Blank:
	12)	B22-052-SB-1	Date: 5/26/2016
	13)	B22-052-SB-8	Eq. Blank:
5/27/2016	14)	B22-015-SB-1	Date: 5/26/2016
	15)	B22-015-SB-3	
	16)	B22-016-SB-1	
	17)	B22-016-SB-5	
	18)	B22-017-SB-1	
	19)	B22-017-SB-6	
	20)	B22-017-SB-10	

Date:		Sample IDs	
5/31/2016	1)	B22-003-SB-4	
	2)	B22-008-SB-1	
	3)	B22-008-SB-4	
	4)	B22-007-SB-1	
	5)	B22-007-SB-4	
	6)	B22-019-SB-1	
	7)	B22-019-SB-6	Duplicate: B22-008-SB-1
	8)	B22-019-SB-10	Date: 5/31/2016
	9)	B22-020-SB-1	MS/MSD: B22-019-SB-6
	10)	B22-020-SB-4	Date: 5/31/2016
	11)	B22-020-SB-10	Field Blank:
	12)	B22-136-SB-1	Date: 5/31/2016
	13)	B22-136-SB-5	Eq. Blank:
	14)	B22-133-SB-1	Date: 5/31/2016
	15)	B22-133-SB-5	
6/1/2016	16)	B22-135-SB-1	
	17)	B22-135-SB-8	
	18)	B22-134-SB-1	
	19)	B22-134-SB-7	
	20)	B22-042-SB-1	

5/27/2016	1)	B22-018-SB-1	
	2)	B22-018-SB-3	
	3)	B22-018-SB-10	
	4)	B22-080-SB-1	
	5)	B22-080-SB-5	
	6)	B22-076-SB-1	
	7)	B22-075-SB-1	Duplicate: B22-081-SB-3
	8)	B22-075-SB-3	Date: 5/27/2016
	9)	B22-081-SB-1	MS/MSD: B22-080-SB-5
	10)	B22-081-SB-3	Date: 5/27/2016
	11)	B22-081-SB-10	Field Blank:
	12)	B22-083-SB-1	Date: 5/27/2016
	13)	B22-083-SB-4	Eq. Blank:
5/31/2016	14)	B22-082-SB-1	Date: 5/27/2016
	15)	B22-082-SB-4	
	16)	B22-082-SB-10	
	17)	B22-004-SB-1	
	18)	B22-004-SB-4	
	19)	B22-004-SB-10	
	20)	B22-003-SB-1	

6/1/2016	1)	B22-042-SB-4	
	2)	B22-042-SB-10	
	3)	B22-045-SB-1	
	4)	B22-044-SB-1	
	5)	B22-044-SB-4	
	6)	B22-046-SB-1	
	7)	B22-046-SB-4	Duplicate: B22-042-SB-4
	8)	B22-039-SB-1	Date: 6/1/2016
	9)	B22-039-SB-4	MS/MSD: B22-046-SB-1
	10)	B22-039A-SB-3	Date: 6/1/2016
	11)	B22-040-SB-1	Field Blank:
	12)	B22-140-SB-4	Date: 6/1/2016
	13)	B22-170-SB-1	Eq. Blank:
	14)	B22-170-SB-4	Date: 6/1/2016
	15)	B22-130-SB-1	
	16)	B22-130-SB-4	
6/2/2016	17)	B22-128-SB-1	
	18)	B22-129-SB-1	
	19)	B22-129-SB-4	
	20)	B22-063-SB-1	

Trip Blanks: 5/26/16 (1), 5/27/16 (1), 5/31/16 (2), 6/1/16 (2), 6/2/16 (2)

QA/QC Tracking Log - Set 2

Date:		Sample IDs		
6/2/2016	1)	B22-063-SB-9		
	2)	B22-063-SB-10		
	3)	B22-066-SB-1		
	4)	B22-066-SB-9		
	5)	B22-001-SB-1		
	6)	B22-001-SB-4		
	7)	B22-002-SB-1	Duplicate:	B22-001-SB-4
	8)	B22-002-SB-7	Date:	6/2/2016
	9)	B22-002-SB-10	MS/MSD:	B22-002-SB-7
	10)	B22-079-SB-1	Date:	6/2/2016
	11)	B22-079-SB-4	Field Blank:	
	12)	B22-083-SB-1	Date:	6/2/2016
	13)	B22-083-SB-4	Eq. Blank:	
	14)	B22-081-SB-1	Date:	6/2/2016
6/3/2016	15)	B22-081-SB-4		
	16)	B22-081-SB-10		
	17)	B22-075-SB-1		
	18)	B22-075-SB-4		
	19)	B22-076-SB-1		
	20)	B22-080-SB-1		

Date:		Sample IDs	
	1)		
	2)		
	3)		
	4)		
	5)		
	6)		
	7)		Duplicate:
	8)		Date:
	9)		MS/MSD:
	10)		Date:
	11)		Field Blank:
	12)		Date:
	13)		Eq. Blank:
	14)		Date:
	15)		
	16)		
	17)		
	18)		
	19)		
	20)		

6/3/2016	1)	B22-080-SB-5		
	2)	B22-018-SB-1		
	3)	B22-018-SB-6		
	4)	B22-018-SB-10		
	5)	B22-017-SB-1		
	6)	B22-017-SB-6		
	7)	B22-017-SB-10	Duplicate:	B22-080-SB-5
	8)	B22-016-SB-1	Date:	6/3/2016
	9)	B22-016-SB-5	MS/MSD:	B22-018-SB-6
	10)	B22-015-SB-1	Date:	6/3/2016
	11)	B22-015-SB-4	Field Blank:	
	12)	B22-037-SB-1	Date:	6/3/2016
	13)	B22-178-SB-1	Eq. Blank:	
	14)	B22-178-SB-6	Date:	6/3/2016
	15)	B22-174-SB-1		
	16)	B22-174-SB-4		
	17)			
	18)			
	19)			
	20)			

	1)		
	2)		
	3)		
	4)		
	5)		
	6)		
	7)		Duplicate:
	8)		Date:
	9)		MS/MSD:
	10)		Date:
	11)		Field Blank:
	12)		Date:
	13)		Eq. Blank:
	14)		Date:
	15)		
	16)		
	17)		
	18)		
	19)		
	20)		

Trip Blanks: 6/2/16 (2), 6/3/16 (2)

APPENDIX I

EVALUATION OF DATA COMPLETENESS
Percentage of Non-Rejected Results vs. Total Results

Parameter	Parameter Group	Matrix	Unit	Number of Validated Results	Detections	Number of Rejected Results	Number of Non-rejected Results	Completeness
Cyanide	CN	Soil	mg/kg	174	142	0	174	100.00%
Aluminum	Metal	Soil	mg/kg	174	174	0	174	100.00%
Antimony	Metal	Soil	mg/kg	174	7	0	174	100.00%
Arsenic	Metal	Soil	mg/kg	194	171	0	194	100.00%
Barium	Metal	Soil	mg/kg	174	174	0	174	100.00%
Beryllium	Metal	Soil	mg/kg	174	157	0	174	100.00%
Cadmium	Metal	Soil	mg/kg	174	60	0	174	100.00%
Chromium	Metal	Soil	mg/kg	174	174	0	174	100.00%
Chromium VI	Metal	Soil	mg/kg	174	19	0	174	100.00%
Cobalt	Metal	Soil	mg/kg	174	171	0	174	100.00%
Copper	Metal	Soil	mg/kg	174	173	0	174	100.00%
Iron	Metal	Soil	mg/kg	174	174	0	174	100.00%
Lead	Metal	Soil	mg/kg	174	161	0	174	100.00%
Manganese	Metal	Soil	mg/kg	177	177	0	177	100.00%
Mercury	Metal	Soil	mg/kg	174	121	11	163	93.68%
Nickel	Metal	Soil	mg/kg	174	155	0	174	100.00%
Selenium	Metal	Soil	mg/kg	174	27	0	174	100.00%
Silver	Metal	Soil	mg/kg	174	36	0	174	100.00%
Thallium	Metal	Soil	mg/kg	174	1	0	174	100.00%
Vanadium	Metal	Soil	mg/kg	174	174	0	174	100.00%
Zinc	Metal	Soil	mg/kg	174	173	0	174	100.00%
Aroclor 1016	PCB	Soil	mg/kg	94	0	0	94	100.00%
Aroclor 1221	PCB	Soil	mg/kg	94	0	0	94	100.00%
Aroclor 1232	PCB	Soil	mg/kg	94	0	0	94	100.00%
Aroclor 1242	PCB	Soil	mg/kg	94	15	0	94	100.00%
Aroclor 1248	PCB	Soil	mg/kg	94	12	0	94	100.00%
Aroclor 1254	PCB	Soil	mg/kg	94	17	0	94	100.00%
Aroclor 1260	PCB	Soil	mg/kg	94	4	0	94	100.00%
Aroclor 1262	PCB	Soil	mg/kg	94	29	0	94	100.00%
Aroclor 1268	PCB	Soil	mg/kg	94	20	0	94	100.00%
PCBs (total)	PCB	Soil	mg/kg	94	58	0	94	100.00%
1,1-Biphenyl	SVOC	Soil	mg/kg	174	41	0	174	100.00%
1,2,4,5-Tetrachlorobenzene	SVOC	Soil	mg/kg	174	4	0	174	100.00%
2,3,4,6-Tetrachlorophenol	SVOC	Soil	mg/kg	174	0	40	134	77.01%
2,4,5-Trichlorophenol	SVOC	Soil	mg/kg	174	0	40	134	77.01%
2,4,6-Trichlorophenol	SVOC	Soil	mg/kg	174	0	40	134	77.01%
2,4-Dichlorophenol	SVOC	Soil	mg/kg	174	0	40	134	77.01%
2,4-Dimethylphenol	SVOC	Soil	mg/kg	174	19	37	137	78.74%
2,4-Dinitrophenol	SVOC	Soil	mg/kg	174	0	40	134	77.01%
2,4-Dinitrotoluene	SVOC	Soil	mg/kg	174	0	0	174	100.00%
2,6-Dinitrotoluene	SVOC	Soil	mg/kg	174	0	0	174	100.00%
2-Chloronaphthalene	SVOC	Soil	mg/kg	174	6	0	174	100.00%
2-Chlorophenol	SVOC	Soil	mg/kg	174	0	40	134	77.01%
2-Methylnaphthalene	SVOC	Soil	mg/kg	175	112	0	175	100.00%
2-Methylphenol	SVOC	Soil	mg/kg	174	10	39	135	77.59%
2-Nitroaniline	SVOC	Soil	mg/kg	174	1	0	174	100.00%
3&4-Methylphenol(m&p Cresol)	SVOC	Soil	mg/kg	174	16	37	137	78.74%
3,3'-Dichlorobenzidine	SVOC	Soil	mg/kg	174	0	0	174	100.00%
4-Chloroaniline	SVOC	Soil	mg/kg	174	0	0	174	100.00%
4-Nitroaniline	SVOC	Soil	mg/kg	174	0	0	174	100.00%
Acenaphthene	SVOC	Soil	mg/kg	175	123	0	175	100.00%
Acenaphthylene	SVOC	Soil	mg/kg	175	129	0	175	100.00%
Acetophenone	SVOC	Soil	mg/kg	174	22	0	174	100.00%
Anthracene	SVOC	Soil	mg/kg	175	144	0	175	100.00%
Benz[a]anthracene	SVOC	Soil	mg/kg	174	146	0	174	100.00%

EVALUATION OF DATA COMPLETENESS
Percentage of Non-Rejected Results vs. Total Results

Parameter	Parameter Group	Matrix	Unit	Number of Validated Results	Detections	Number of Rejected Results	Number of Non-rejected Results	Completeness
Benzaldehyde	SVOC	Soil	mg/kg	174	39	91	83	47.70%
Benzo[a]pyrene	SVOC	Soil	mg/kg	179	144	0	179	100.00%
Benzo[b]fluoranthene	SVOC	Soil	mg/kg	176	160	0	176	100.00%
Benzo[g,h,i]perylene	SVOC	Soil	mg/kg	175	140	0	175	100.00%
Benzo[k]fluoranthene	SVOC	Soil	mg/kg	175	150	0	175	100.00%
bis(2-chloroethoxy)methane	SVOC	Soil	mg/kg	174	0	0	174	100.00%
bis(2-Chloroethyl)ether	SVOC	Soil	mg/kg	174	0	0	174	100.00%
bis(2-Chloroisopropyl)ether	SVOC	Soil	mg/kg	174	0	0	174	100.00%
bis(2-Ethylhexyl)phthalate	SVOC	Soil	mg/kg	174	31	0	174	100.00%
Caprolactam	SVOC	Soil	mg/kg	174	0	0	174	100.00%
Carbazole	SVOC	Soil	mg/kg	174	58	0	174	100.00%
Chrysene	SVOC	Soil	mg/kg	175	156	0	175	100.00%
Dibenz[a,h]anthracene	SVOC	Soil	mg/kg	175	125	0	175	100.00%
Diethylphthalate	SVOC	Soil	mg/kg	174	0	0	174	100.00%
Di-n-butylphthalate	SVOC	Soil	mg/kg	174	8	0	174	100.00%
Di-n-ocytlphthalate	SVOC	Soil	mg/kg	174	4	0	174	100.00%
Fluoranthene	SVOC	Soil	mg/kg	175	164	0	175	100.00%
Fluorene	SVOC	Soil	mg/kg	175	115	0	175	100.00%
Hexachlorobenzene	SVOC	Soil	mg/kg	174	1	0	174	100.00%
Hexachlorobutadiene	SVOC	Soil	mg/kg	174	0	0	174	100.00%
Hexachlorocyclopentadiene	SVOC	Soil	mg/kg	174	0	1	173	99.43%
Hexachloroethane	SVOC	Soil	mg/kg	174	0	0	174	100.00%
Indeno[1,2,3-c,d]pyrene	SVOC	Soil	mg/kg	175	135	0	175	100.00%
Isophorone	SVOC	Soil	mg/kg	174	0	0	174	100.00%
Naphthalene	SVOC	Soil	mg/kg	175	91	0	175	100.00%
Nitrobenzene	SVOC	Soil	mg/kg	174	0	0	174	100.00%
N-Nitroso-di-n-propylamine	SVOC	Soil	mg/kg	174	0	0	174	100.00%
N-Nitrosodiphenylamine	SVOC	Soil	mg/kg	174	2	0	174	100.00%
Pentachlorophenol	SVOC	Soil	mg/kg	174	1	40	134	77.01%
Phenanthrene	SVOC	Soil	mg/kg	175	162	0	175	100.00%
Phenol	SVOC	Soil	mg/kg	174	20	38	136	78.16%
Pyrene	SVOC	Soil	mg/kg	175	160	0	175	100.00%
Diesel Range Organics	TPH	Soil	mg/kg	174	161	0	174	100.00%
Gasoline Range Organics	TPH	Soil	mg/kg	173	13	0	173	100.00%
1,1,1-Trichloroethane	VOC	Soil	mg/kg	173	9	0	173	100.00%
1,1,2,2-Tetrachloroethane	VOC	Soil	mg/kg	173	0	1	172	99.42%
1,1,2-Trichloro-1,2,2-Trifluoroethane	VOC	Soil	mg/kg	173	0	0	173	100.00%
1,1,2-Trichloroethane	VOC	Soil	mg/kg	173	0	0	173	100.00%
1,1-Dichloroethane	VOC	Soil	mg/kg	173	12	0	173	100.00%
1,1-Dichloroethene	VOC	Soil	mg/kg	173	4	0	173	100.00%
1,2,3-Trichlorobenzene	VOC	Soil	mg/kg	173	0	0	173	100.00%
1,2,4-Trichlorobenzene	VOC	Soil	mg/kg	173	1	0	173	100.00%
1,2-Dibromo-3-chloropropane	VOC	Soil	mg/kg	173	0	0	173	100.00%
1,2-Dibromoethane	VOC	Soil	mg/kg	173	0	0	173	100.00%
1,2-Dichlorobenzene	VOC	Soil	mg/kg	173	0	0	173	100.00%
1,2-Dichloroethane	VOC	Soil	mg/kg	173	1	0	173	100.00%
1,2-Dichloroethene (Total)	VOC	Soil	mg/kg	173	2	0	173	100.00%
1,2-Dichloropropane	VOC	Soil	mg/kg	173	0	0	173	100.00%
1,3-Dichlorobenzene	VOC	Soil	mg/kg	173	0	0	173	100.00%
1,4-Dichlorobenzene	VOC	Soil	mg/kg	173	4	0	173	100.00%
2-Butanone (MEK)	VOC	Soil	mg/kg	173	24	0	173	100.00%
2-Hexanone	VOC	Soil	mg/kg	173	2	0	173	100.00%
4-Methyl-2-pentanone (MIBK)	VOC	Soil	mg/kg	173	0	0	173	100.00%
Acetone	VOC	Soil	mg/kg	173	56	0	173	100.00%
Benzene	VOC	Soil	mg/kg	173	10	0	173	100.00%

EVALUATION OF DATA COMPLETENESS
Percentage of Non-Rejected Results vs. Total Results

Parameter	Parameter Group	Matrix	Unit	Number of Validated Results	Detections	Number of Rejected Results	Number of Non-rejected Results	Completeness
Bromodichloromethane	VOC	Soil	mg/kg	173	0	0	173	100.00%
Bromoform	VOC	Soil	mg/kg	173	0	0	173	100.00%
Bromomethane	VOC	Soil	mg/kg	173	0	172	1	0.58%
Carbon disulfide	VOC	Soil	mg/kg	173	0	0	173	100.00%
Carbon tetrachloride	VOC	Soil	mg/kg	173	0	0	173	100.00%
Chlorobenzene	VOC	Soil	mg/kg	173	1	0	173	100.00%
Chloroethane	VOC	Soil	mg/kg	173	0	0	173	100.00%
Chloroform	VOC	Soil	mg/kg	173	1	0	173	100.00%
Chloromethane	VOC	Soil	mg/kg	173	0	0	173	100.00%
cis-1,2-Dichloroethene	VOC	Soil	mg/kg	173	2	0	173	100.00%
cis-1,3-Dichloropropene	VOC	Soil	mg/kg	173	0	0	173	100.00%
Cyclohexane	VOC	Soil	mg/kg	173	4	0	173	100.00%
Dibromochloromethane	VOC	Soil	mg/kg	173	0	0	173	100.00%
Dichlorodifluoromethane	VOC	Soil	mg/kg	173	0	0	173	100.00%
Ethylbenzene	VOC	Soil	mg/kg	173	5	0	173	100.00%
Isopropylbenzene	VOC	Soil	mg/kg	173	3	0	173	100.00%
Methyl Acetate	VOC	Soil	mg/kg	173	2	0	173	100.00%
Methyl tert-butyl ether (MTBE)	VOC	Soil	mg/kg	173	0	0	173	100.00%
Methylene Chloride	VOC	Soil	mg/kg	173	0	0	173	100.00%
Styrene	VOC	Soil	mg/kg	173	3	0	173	100.00%
Tetrachloroethene	VOC	Soil	mg/kg	173	5	0	173	100.00%
Toluene	VOC	Soil	mg/kg	173	4	0	173	100.00%
trans-1,2-Dichloroethene	VOC	Soil	mg/kg	173	0	0	173	100.00%
trans-1,3-Dichloropropene	VOC	Soil	mg/kg	173	0	0	173	100.00%
Trichloroethene	VOC	Soil	mg/kg	173	3	0	173	100.00%
Trichlorofluoromethane	VOC	Soil	mg/kg	173	2	0	173	100.00%
Vinyl chloride	VOC	Soil	mg/kg	173	0	0	173	100.00%
Xylenes	VOC	Soil	mg/kg	173	13	0	173	100.00%
1,4-Dioxane	VOC/SVOC	Soil	mg/kg	173	1	171	2	1.16%

Data validation has been completed for a representative 50% of all samples