NR 716 Additional Site Investigation

White and Lesperance Properties
1910 20th Street and 2022 School Street
Two Rivers, WI

Lesperance Property BRRTS No. 02-36-560273
White Property BRRTS No. 02-36-096500

Prepared for:

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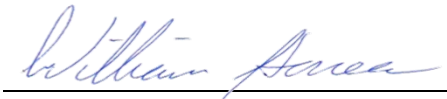

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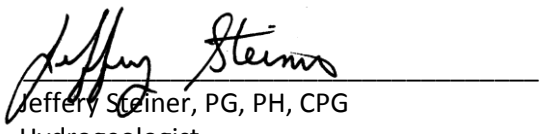

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Executive Summary

On behalf of Manitowoc County, Ayres Associates (Ayres) completed additional site investigation work for two open Environmental Repair Program (ERP) cases known as the Lesperance Property (BRRTS # 02-36-560273) and White Property (BRRTS # 02-36-096500) in Two Rivers, Wisconsin. Prior to the County's ownership, soil and groundwater on the properties were contaminated by several decades of bulk petroleum storage and industrial use. On June 9, 2016, the WDNR determined that both cases required additional site investigation prior to closure. The objective of this investigation was to satisfy the additional investigation requirements identified by the WDNR.

The subsurface investigation encountered up to six feet of fill, which was underlain by peat and unconsolidated alluvial deposits of clay, silty sand, poorly graded sand, silt, and gravel. Bedrock was not encountered in any of the borings advanced during this assessment and is expected to be over 100 ft below ground surface (bgs).

Depth to groundwater ranged between 1.24 to 3.79 ft bgs. Groundwater generally flows west and becomes increasing shallow towards the West Twin River. Slight upward vertical gradients measured in the piezometers indicate groundwater discharge conditions.

Soil analytical results and field observations indicate:

- Volatile organic compounds (VOCs) are present above protection of groundwater standards at the former above ground storage tank (AST) area on the Lesperance Property
- Polycyclic aromatic hydrocarbons (PAHs) and metals are present above residual contaminant levels (RCLs) in fill material on the east half of the Lesperance property; however, only one analyte, benzo(a)pyrene, exceeded its industrial direct contact RCL and arsenic levels were below the background threshold for Wisconsin soils
- Arsenic is present above the non-industrial direct contact RCL in fill adjacent to historic off-site sample S-15; however, it was well below the background threshold for Wisconsin soils
- PAHs are present above non-industrial direct contact RCLs in fill adjacent to historic off-site sample S-13
- Polychlorinated biphenyls (PCBs) are present below non-industrial direct contact RCLs to the east and west of historic sample AGP-7

Groundwater analytical results from three rounds of sampling indicate:

- VOCs and PAHs are present above enforcement standards (ES) in groundwater at the former AST area on the Lesperance Property
- VOCs are present above preventative action limits (PAL) and one ES in wells near the former bulk petroleum storage tanks on the White Property
- Dissolved metals are present above PALs in both shallow and deeper groundwater zones across the site
- PCBs were not detected in groundwater at AMW-7, which is adjacent to historic sample AGP-7

Based on the findings of this investigation, Ayres believes that contamination in the areas of concern was identified to the extent practicable and that no additional investigation is warranted.

Introduction

On behalf of Manitowoc County, Ayres completed site investigation work for two open ERP cases known as the Lesperance Property (BRRTS # 02-036-560273) and White Property (BRRTS # 02-36-096500) in Two Rivers, Wisconsin. The County involuntarily acquired these properties through separate administrative tax foreclosures in 2008 and 2012. Prior to the County's ownership, soil and groundwater on the properties were contaminated by several decades of bulk petroleum storage and industrial use. After reviewing a NR 716 investigation report submitted by Ayres in 2015, WDNR determined that both cases required additional investigation prior to closure. A letter from the WDNR dated June 9, 2016, explains their rational and provided a list of required actions *(Appendix A)*. The purpose of this investigation was to complete those actions and satisfy the need for additional investigation.

Ayres developed the following investigation objectives based on the actions identified in the letter and discussions with the WDNR.

- Evaluate the levels of PAHs in soil near historic off-site sample S-13;
- Evaluate the levels of PAHs, arsenic, and mercury in soil near historic off-site sample S-15;
- Determine the aerial extent of PCBs in soil around historic sample location AGP-7 on the White Property;
- Evaluate the presence PCBs and VOCs in groundwater around historic sample location AGP-7;
- Assess the direct contact threat from PAHs and metals in soil on the east half of the Lesperance Property;
- Evaluate the presence of PAHs and VOCs in groundwater between historic sample locations HA-17 and AGP-3, which are near the former ASTs on the Lesperance Property;
- Monitor groundwater across the project site to identify the type, extent, and distribution of contaminants.

This report summarizes the scope, sampling methods, analytical results, and conclusions of the site investigation activities completed between August 2016 and January 2017.

Background

Site Description

The project site includes two adjoining parcels in the NW 1/4 of the NW 1/4, Section 1, Township 19 North, Range 24 East, Two Rivers, WI. Together they encompass 6.2 acres of industrial zoned (I-2) property along the east bank of the West Twin River. The site is bounded by vacant industrial property to the north, commercial property to the south, the West Twin River to the west, and residential properties to the east. A site location map in Figure 1 shows the regional setting and location of the project site.

Parcel number 053-101-007-259.04, Lesperance Property, has a physical address of 2022 School St and comprises approximately 2.4 acres of the project site (Figure 2). Manitowoc County leases the property to Chard International LLC (Chard), who uses it for shipping and receiving operations. Structures on the property include a 21,000-square-foot steel warehouse and office building, a 4,000-square-foot warehouse, and a 1,000-square-foot warehouse. Ground cover around the warehouses consists of a gravel driveway and asphalt paved parking to the east of the large warehouse. The western portion of the property was cleared but was recently overtaken by bushy vegetation and is littered with wood, concrete, and metal debris.

The White property, parcel number 053-101-007-247.06, makes up the remaining 3.8 acres of the project site and has a physical address of 1910 20th St (Figure 2). It has been vacant since the County acquired the property in 2008. The property contains one small concrete out building on its east side and another in its southwest corner. Chain link fence surrounds the property, except along the banks of the West Twin River. Ground cover is predominately grass with woody vegetation along the banks of the river and around the out building in the southeast. A gravel driveway crosses the central portion of the property and extends from 20th St to the shipping warehouses on the Lesperance Property, it is used as a turnaround for trucks delivering goods to Chard.

Physical Setting

The project site is on the east bank of the West Twin River and is approximately 0.75 miles west of Lake Michigan. This region is comprised of nearly level to gently undulating lake and glacial till plains with costal ridge and swale complexes. Along the West Twin River surficial deposits consist of postglacial organic sediments such as peat and muck underlain by unconsolidated stream, glacial, and lake deposits. Bedrock beneath the site is Silurian aged dolomite and estimated to be over 100 ft bgs (WDNR 2015; WDNR 2011; Mickelson and Socha 2004).

Groundwater first occurs within shallow unconsolidated deposits beneath the peat, typically less than 5 ft bgs. Both shallow and deeper groundwater zones generally flow west toward the West Twin River at an average hydraulic gradient of 0.007 ft/ft. The average estimated velocity of groundwater on site is 0.04 ft/day (Ayres Associates 2015).

Site History

The history of the site was obtained from a *Phase I Environmental Assessment Report* (September 2013), prepared by Sigma under contract to the Wisconsin Department of Natural Resources.

Historically, the site has been used as a coal storage yard, bulk petroleum storage facility, a petroleum recycling and storage facility, and a wood play system manufacturer. Eighteen above ASTs ranging in size from 250 to 250,000 gallons formerly occupied the White property. These tanks were removed during U.S. EPA actions conducted on the property in 1995. Seven 10,000-gallon oil or gasoline ASTs also occupied the former Lesperance property until the 1980s. A fuel oil UST is currently present outside the southwest corner of the main warehouse on the Lesperance property.

Several spills have been reported on the White property. Between 1994 and 1995, the U.S. EPA and WDNR conducted environmental activities on the White property that included spill containment, removal of 18 ASTs, removal and disposal of 113 tons of PCB sludge, 11,100 gallons of waste oil, 45 tons of asbestos contaminated debris, 66 tons of petroleum contaminated soil, and 100 tons of solid waste.

Site investigation activities conducted on the White property by the WDNR in 1999 indicate the presence of fill material containing coal, gravel, and wood within 3 feet of ground surface. Contamination in soil including PAHs, lead, and arsenic were detected above regulatory standards. Concentrations of benzene and chlorinated volatile organic compounds (CVOC) were also detected in soil. Groundwater sampled from the White property contained benzene, CVOC, and PAH concentrations above enforcement standards or preventative action limits.

Adjacent property north of the Lesperance property is a former manufactured gas plant (MGP) with documented soil and groundwater contamination. A limited site investigation was conducted on the Lesperance property as part of the investigation for the former MGP site. Low level concentrations of petroleum-related compounds were detected in soil and groundwater.

Two petroleum pipelines are present on the western portion of the site. The pipelines, which are no longer in use, extend from the convergence of the East and West Twin Rivers north to the US Oil property, approximately one block north of the site. A spill associated with the pipelines on the western portion of the Lesperance Property has recently been investigated.

A NR 716 site investigation completed by Ayres in 2015 found levels of VOCs, PAHs, PCBs, and metals in soil above direct contact RCLs or protection of groundwater standards on the White and Lesperance properties. Additionally, results showed trace concentrations of VOCs, PAHs, and metals in groundwater. Ayres recommended additional investigation to delineate the aerial extent of PCB contamination on the White Property, around historic sample AGP-7. After reviewing the report, WDNR determined that additional investigation was warranted on both properties.

Investigation Activities

Scope

Manitowoc County retained Ayres to complete additional site investigation work for two open ERP cases on the White and Lesperance properties. To meet the project objectives and satisfy the requirements identified in a letter from the WDNR dated June 9, 2016, Ayres developed the following scope of work:

- Advance a direct push soil boring adjacent to historic off-site sample location S-13 and submit one sample from 0 to 4 ft bgs for PAH analysis;
- Advance a direct push soil boring adjacent to historic off-site sample location S-15 and submit one sample from 0 to 4 ft bgs for PAH, arsenic, and mercury analysis;
- Advance three direct push soil borings around historic sample location AGP-7 and submit one sample from each boring for PCB analysis;
- Install one Ch. NR 141, Wis. Admin. Code compliant monitoring well adjacent to historic sample location AGP-7 and submit one groundwater sample for PCB and VOC analysis; if PCBs are detected continue with two additional rounds of groundwater monitoring;
- Advance three direct push soil borings on the east half of the Lesperance Property and submit one sample from each boring for PAH and RCRA metal analysis;
- Install one Ch. NR 141, Wis. Admin. Code compliant monitoring well between historic sample locations HA-17 and AGP-3 and submit one soil sample for PAH and VOC analysis and one groundwater sample for dissolved RCRA metal, PAH, and VOC analysis; if VOCs or PAHs are detected in groundwater above Ch. NR 140, Wis. Admin. Code Enforcement Standards continue with two additional rounds of groundwater monitoring;
- Complete three rounds of groundwater monitoring at six existing water table wells and three piezometers for dissolved RCRA metals, PAHs, and VOC's.

The scope was limited to the items above and relied on information collected by Ayres and others during prior site investigations, which were assumed to be complete and accurate.

Field Methods

The methodology used for sample collection is provided below. All collection methods, management procedures, and documentation were conducted in accordance with Ch. NR 716, Wis. Adm. Code. Dedicated or disposable sampling equipment was used to reduce the chance of cross contamination. In addition to the sample collection methods discussed below, Ayres followed standard operating procedures (SOPs) were used and are incorporated by reference (Appendix B):

- Monitoring Well Drilling and Construction Procedures SOP #110
- Monitoring Well Development SOP #140
- Total VOC Soil Vapor Field Analysis SOP #210
- Field Filtering Groundwater Samples for Metals/Inorganic Analysis SOP #340
- Chain-of Custody Form Procedures SOP #610

Sample locations were selected using historical information complied by Ayres and others during prior site assessments. Figure 2 identifies the areas of concern and sample locations from this and previous investigations.

Soil Sampling

On August 18, 2016, Ayres oversaw the advancement of ten soil borings and collected nine samples for analytical testing. The soil borings were advanced to depths between 4 and 15 ft bgs using direct push drilling. Borings were placed in four main areas of concern: adjacent to off-site historic samples S-13 and S-15; near former bulk petroleum storage tanks on the White property; the east half of the Lesperance Property; and near former bulk petroleum ASTs on the Lesperance Property. The depth of investigation and analyses performed were specific to each location.

Historic off-site samples S-13 and S-15 were taken along the western boundary of the White Property by U.S. EPA after the cleanup of petroleum release in 1994. These samples contained levels of PAHs, arsenic, and mercury above regulatory standards. At the request of the WDNR, Ayres collected confirmation samples from both locations at the same depth interval as the historic samples. They were analyzed for the compounds that previously exceeded soil standards. Ayres advanced boring AGP-13 adjacent to historic sample S-13 to a depth of 4 ft bgs and submitted a sample for PAH analysis. Additionally, boring AGP-12 was advanced adjacent to historic sample S-15 to a depth of 4 ft bgs and was sampled for PAHs, arsenic, and mercury.

During the 2015 NR 716 investigation, a sample collected near several former bulk petroleum tanks on the White Property, AGP-7, contained levels of PCBs above Ch. NR 720, Wis. Admin. Code non-industrial direct contact soil standards. The report recommended addition soil sampling to determine the aerial extent of PCBs around former tanks. In this investigation, Ayres advanced borings AGP-14, AGP-15, and AGP-16 to a depth of 10 ft bgs around the former bulk petroleum ASTs and submitted samples for PCB analysis. An additional boring, AMW-7, was advanced adjacent to historic sample AGP-7 for the installation of a groundwater monitoring well. Soil samples from this boring were not submitted for analytical testing because results were already available from adjacent historic sample AGP-7.

Prior to this investigation, limited analytical data was available for the fill material within the direct contact zone (0 to 4 ft bgs) on the east half of the Lesperance Property. Fill containing PAHs and metals above regulatory standards is documented on the western portion of the Lesperance Property and across the entire White Property. Without analytical data to prove otherwise, the WDNR would be forced to assume that PAHs and metals are also present above regulatory standards in the fill material on the east half of the Lesperance Property. To evaluate the direct contact threat, Ayres advanced borings AGP-17, AGP-18, and APG-19 on the east side of the Lesperance property and submitted samples from 0 to 4 ft bgs for PAH and RCRA metals analysis.

The vicinity around former bulk petroleum ASTs in the northwest corner of the Lesperance Property is a potential source area for groundwater contamination. Historic samples collected near the former ASTs contained levels of PAHs and VOCs above Ch. NR 720, Wis. Admin. Code protection of groundwater soil standards. Ayres advanced a boring to 15 ft bgs in the center of the potential source area, between historic sample locations HA-17 and AGP-3, and submitted one sample for PAH and VOC analysis.

Monitoring Well Installation

After collecting soil samples, borings AMW-7 and AMW-8 were converted to Ch. NR 141, Wis. Admin. Code compliant monitoring wells by over drilling with 4 1/2-inch hollow stem augers as described in Ayres SOP #110. Monitoring well AMW-7 was installed on the White Property adjacent to historic sample location AGP-7 to assess the presence of PCBs in groundwater. The other, AMW-8, was installed on the Lesperance Property between historic sample locations HA-17 and AGP-3 to assess the presence of PAHs and VOCs in groundwater at the former AST area (Figure 2).

Subsurface information gathered from the direct push borings at these locations was used to determine the appropriate depth of the wells, approximately 14 ft bgs. Due to the shallow depth of groundwater at both locations, the filter pack and fine sand pack were reduced to accommodate an adequate bentonite surface seal. The wells were completed with 2-inch Schedule 40 PVC casings, 10-foot factory slotted screens, and 4-inch protective steel casings. The top of PVC casing elevations were surveyed to the nearest 0.01 foot and tied into the existing site datum (USGS datum).

Ayres developed both wells by surging the water column with disposable bailers followed by over pumping using a peristaltic pump, per SOP #140. After development, the static water levels in both wells were near the top of the screened interval. The first round of groundwater samples was collected approximately three weeks after development. Monitoring well construction reports and development forms are included in Appendix C.

Groundwater Sampling

Between September 2016 and January 2017, Ayres collected three rounds of groundwater samples from six existing water table wells, three piezometers, and two new monitoring wells (AMW-7 and AMW-8). Samples were acquired using low-flow purging techniques (flow rates of less than 0.5 liters per minute) with a peristaltic pump and polyethylene tubing dedicated to each well. Water quality parameters were collected during the first round of sampling to determine the required purge time and volume needed to reach stabilization. Those purge times and volumes were repeated during subsequent monitoring rounds. Dissolved metal samples were collected through disposable in-line 0.45-micron field filters, per SOP #340. Static water levels from each well were recorded at the beginning of each sampling round.

The existing water table wells (AMW-1, AMW-2, AMW-3, AMW-4, AMW-5, AMW-6) and piezometers (APZ-1, APZ-2, APZ-4) were installed during the 2015 NR 716 site investigation. At the request of WDNR, Ayres collected three additional rounds of samples from these wells and submitted them for analysis of VOCs, PAHs, and dissolved RCRA metals. Well OMW-1 was also sampled in 2015 but Ayres was unable to locate it during this investigation.

Well AMW-7 was installed to evaluate the presence PCBs and VOCs in groundwater around historic sample location AGP-7, on the White Property. A sample from AMW-7 was submitted for PCB, VOC, PAH, and dissolved RCRA metal analysis; however, because PCBs were not detected it was not sampled during the following two rounds.

AMW-8 was installed in the former AST area of the Lesperance Property to evaluate the presence of PAHs and VOCs in groundwater between historic sample locations HA-17 and AGP-3. Three rounds of samples were collected and analyzed for VOCs, PAHs, and dissolved RCRA metals. During the final sampling round (January 2017), a pump failure prevented Ayres from collecting PAH and dissolved RCRA metal samples from this well but VOCs were collected using the straw method (water held by tubing by

suction). However, analytical results from the previous two rounds were consistent and provided sufficient information to determine the type of level of contamination present.

Analytical Methods

Ayres submitted soil and groundwater samples to CT Laboratories in Baraboo, Wisconsin for analytical testing. After collection, the samples were placed on ice and maintained under proper chain-of custody procedures, per SOP #610.

Depending on the area of concern, soil samples were analyzed for one or more of the following compound lists: VOCs (Method 8260C), PAHs (Method 8310), PCBs (Method 8082A), and RCRA metals (Method 6010C) including mercury (Methods 7471B). The laboratory limit of detection (LOD) for some VOCs and one PAH were greater than their applicable Ch. NR 720, Wis. Admin. Code protection of groundwater soil standards.

All groundwater samples were analyzed for VOCs (Method 8260C), PAHs (Method 8310), and dissolved RCRA metals (Methods 6010C, 7010, and 7470A). Additionally, sample AMW-7 was analyzed for PCBs (Method 8082A). LODs for PCBs, a few VOCs, and one PAH were equal to or greater than Ch. NR 140, Wis. Admin. Code groundwater standards.

Quality Assurance/Quality Control

Quality control samples including field duplicates, trip blanks, and matrix spike and matrix spike duplicate (MS/MSD) samples were submitted along with the primary samples. Results from these analyses are provided in the full analytical reports attached in Appendices E and F. Laboratory qualifiers are included and explained in Tables 1 and 2.

A laboratory supplied trip blank was submitted with samples collected for VOC analysis and one duplicate sample was collected for every 10 water samples. During the initial round of groundwater sampling, a duplicate sample was collected for PCBs, PAHs, VOCs, and dissolved RCRA metals. Duplicate water samples in subsequent events were analyzed for VOCs only. MS/MSD samples were also collected for laboratory quality assurance checks.

Duplicate soil samples were not collected due to the generally poor sample recovery and the large volume required. One methanol blank was submitted along with soil samples for VOC analysis.

Soil Investigation Results

Stratigraphy

Subsurface conditions were evaluated based on information collected from 10 direct push borings advanced from 4 to 15 ft bgs. Ayres collected continuous soil samples and described them using the Unified Soil Classification System (USCS). Soil boring logs are included in Appendix D.

The subsurface investigation encountered a continuous layer of peat, 2 to 5 ft thick, underlain by unconsolidated alluvial deposits of clay, silty sand, poorly graded sand, silt, and gravel. The peat is overlain by 2 to 6 ft of sandy and silty fill material. The fill is differentiated by the presence of bricks, cinders, concrete, metal, and wood debris. Bedrock was not encountered in any of the borings advanced during this assessment and is anticipated to be more than 100 ft bgs.

Field Screening and Visual Observations

Samples were screened for volatile organic vapors using a photoionization detector (PID) equipped with a 11.7 electronvolt (eV) lamp. The PID was calibrated to 100 parts per million (ppm) isobutylene gas, per SOP #210. None of the soil samples screened had an elevated PID response, staining, or odor that would indicate the presence of contamination; except at AGP-14 (19.1 ppm) near former bulk petroleum storage tanks on the White Property and at AMW-8 (3.2 ppm) near the former AST area on the Lesperance Property. A layer of dark soil corresponding to the elevated PID reading at AGP-14 was observed just above the layer of peat from 2 to 4 ft bgs. This layer was also encountered at the same depth in boring AGP-16 but did not have an elevated PID response. Soil samples at these locations were collected from the intervals described above. In the absence of any obvious indicators of contamination, the remaining analytical samples were collected from the direct contact zone (0 to 4 ft bgs). PID responses are recorded on the soil boring logs in Appendix D.

Soil Analytical Results

A total of nine analytical samples from 10 direct push borings were collected during this investigation. One sample from each boring was selected for analytical testing using the following priority: highest PID response, visual or olfactory indicators of contamination, or shallow soil within the direct contact zone (0 to 4 ft bgs); except at AMW-7 where samples were not submitted for analytical testing. All samples submitted for analytical testing were collected from the unsaturated zone.

Analytical results were compared to March 2017 Ch. NR 720, Wis. Admin. Code RCL direct contact pathway and protection of groundwater standards. Table 1 provides a summary of compounds found in soil above the laboratory limit of detection. A full copy of the laboratory analytical results is available in Appendix E.

Volatile Organic Compounds

Of the nine samples submitted, only AMW-8 was analyzed for VOCs. There were several detections but only two compounds exceeded Ch. NR 720 Wis. Admin. Code standards. Benzene was detected at 0.129 milligrams per kilogram (mg/Kg), which is greater than the 0.0026 mg/Kg protection of groundwater standard. The other, 1,2-dichloroethane, was detected at an estimated concentration of 0.0511 mg/Kg, which was below the laboratory limit of quantitation but above the 0.0014 mg/Kg protection of

groundwater standard. These results confirm that VOCs are present above the protection of groundwater standards in soil at the former AST area on the Lesperance Property.

Polycyclic Aromatic Hydrocarbons

Six of the nine samples were submitted for PAH analysis, all contained detectable concentrations. Non-industrial direct contact RCLs were exceeded in samples from AGP-13, AGP-18, and AGP-19. One compound, benzo(a)pyrene, exceeded industrial direct contact standards at AGP-19. These soil samples were collected from within the direct contact interval; confirming the presence of PAHs above RCLs in fill on the east half of the Lesperance property and at the historic off-site sample locations.

Polychlorinated Biphenyls

Soil samples from AGP-14, AGP-15, and AGP-16 were submitted for PCB analysis. Two of the three soil samples contained low levels of PCBs. Aroclor-1260 was present in sample AGP-14 at 0.105 mg/Kg and aroclor-1242 was detected in AGP-16 at a concentration of 0.0537 mg/Kg. Neither compound exceeded its respective non-industrial direct contact RCL. Results indicate that PCB levels below non-industrial RCLs extend east and west of historic sample AGP-7. No PCBs were detected in the sample AGP-15, which was collected to the south of historic sample AGP-7.

Metals

Soil samples from AGP-12, APG-17, AGP-18, and AGP-19 were submitted for metals analysis. Arsenic was present in samples from AGP-12, AGP-18, and AGP-19 above non-industrial direct contact RCLs. Concentrations ranged from 2.4 to 2.7 mg/Kg, which is well below the background threshold value of 8 mg/Kg for Wisconsin soils. Additionally, selenium and lead were detected above the protection of groundwater standard at AGP-19. Barium, cadmium, chromium, and silver were also detected but at concentrations below Ch. NR 720, Wis. Admin. Code standards.

Groundwater Investigation Results

Groundwater Depth and Flow Direction

Static groundwater levels were collected from water table wells and piezometers at the beginning of each round of sampling (Table 3). Depth to groundwater ranged from 3.24 to 5.79 ft below top of casing or approximately 1.24 to 3.79 ft bgs. Based on water levels collected between September 2016 and January 2017, groundwater generally flows west and becomes increasing shallow towards the West Twin River (Figure 2). Slight upward vertical gradients measured in the piezometers indicate groundwater discharge conditions (Table 4).

Groundwater Analytical Results

Groundwater samples were collected from eight NR 141 Wis. Admin. Code water table wells and three piezometers. Samples were acquired using low-flow purging techniques and dedicated sampling equipment. The analytical data was used to characterize the type, extent, distribution, and concentration of chemical constituents present in the groundwater.

Analytical results were compared to Ch. NR 140, Wis. Admin. Code groundwater ESs and PALs, last updated in February 2017. Table 2 provides a summary of compounds present in groundwater above the laboratory limit of detection.

Volatile Organic Compounds

Samples from five of the eleven wells had detectable concentrations of VOCs. Two wells, AMW-4 and AMW-8, contained compounds at levels above their respective ES. Additionally, VOCs were detected above PALs in wells AMW-2, AMW-4, AMW-5, AMW-7, and AMW-8. Compounds that exceeded Ch. NR 140, Wis. Admin. Code standards included 1,2-dichloroethane, benzene, methylene chloride, naphthalene, and tetrahydrofuran.

- 1,2-dichlroethane was detected in one well, AMW-8, at concentrations ranging between 10 to 13 micrograms per liter (µg/L), which is above the ES of 10 µg/L.

- Benzene was detected in wells AMW-2, AMW-4, and AMW-8 with concentrations ranging between 0.33 and 500 µg/L. The highest concentrations were found in samples from AMW-8, all of which exceeded the ES of 5 µg/L. Benzene exceeded the ES in one sample from AMW-4 and the PAL in all three samples from AMW-2.

- Methylene chloride was detected in one sample from AMW-8 at concentrations of 19 µg/L, which is above the ES of 5 µg/L. This compound was not detected in any of the other samples and is a common laboratory contaminant.

- Naphthalene was found in AMW-2 and AMW-8 but only exceeded the PAL (10 µg/L) in the latter. It was detected in all three samples collected from AMW-8 at concentrations ranging from 20 to 23 µg/L.

- Tetrahydrofuran was detected above the PAL in AMW-4, AMW-5, and AMW-7. Levels ranged from 5.1 to 41 µg/L with the highest concentrations at AMW-4.

Results indicate that VOCs have impacted shallow groundwater downgradient of the former bulk petroleum storage tank areas on the White and Lesperance properties. No VOCs were detected in samples collected from piezometers near either area.

Polycyclic Aromatic Hydrocarbons

Trace concentrations of PAHs were found in four of the 11 wells sampled with only naphthalene exceeding a PAL. Naphthalene was detected at a concentration of 17 µg/L in AMW-8 and corresponds with VOC detections in the former AST area on the Lesperance Property.

Polychlorinated Biphenyls

There were no detections of PCBs in the sample collected from AMW-7. It should be noted that the laboratory limit of detection was greater that the both the PAL and ES. However, the data is sufficient to determine that no significant concentrations of PCBs are present in the groundwater a AMW-7.

Dissolved Metals

Dissolved metals were detected in groundwater samples collected from all water table wells and piezometers. Concentrations of arsenic, cadmium, lead, mercury, and selenium exceed PALs in several wells but none exceeded their respective ESs. Results indicate that low levels of dissolved metals are present in both shallow and deeper groundwater zones across the site.

Findings and Conclusions

The following findings are based on analytical results and field observations from the soil investigation and three rounds of groundwater monitoring:

- VOCs are present above protection of groundwater standards in soil at the former AST area on the Lesperance Property
- PAHs and metals are present above RCLs in fill material on the east half of the Lesperance property; however, only one analyte, benzo(a)pyrene, exceeded its industrial direct contact RCL and arsenic levels were below the background threshold for Wisconsin soils
- Arsenic is present above non-industrial direct contact RCLs in fill adjacent to historic off-site sample S-15; however, it was below the background threshold for Wisconsin soils
- PAHs are present above non-industrial direct contact RCLs in fill adjacent to historic off-site sample S-13
- PCBs are present below non-industrial direct contact RCLs in soil to the east and west of historic sample AGP-7 but were not detected in a sample collected to the south
- Shallow groundwater in the former AST area on the Lesperance Property is impacted with VOCs and PAHs above ESs and PALs
- Groundwater near the former bulk petroleum storage tanks on the White Property is impacted with VOCs above PALs and one ES
- PCBs were not detected in groundwater at AMW-7, which is adjacent to historic sample AGP-7
- Concentrations of dissolved metals are present above PALs in both shallow and deeper groundwater zones across the site

The distribution and concentrations of contaminants observed were consistent with findings of previous investigations. Soil contamination near the former AST area on the Lesperance property is a likely source for PAHs and VOCs observed in downgradient wells. However, other investigations have documented that these compounds are also present around the up gradient historic U.S. Oil pipeline, making it another a potential source area. Due to their proximity, it is possible that contamination from these two areas has comingled. Additionally, the site wide presence of PAHs and metals in fill material may contribute in part to groundwater contamination. The residual PCB levels in soil around historic sample AGP-7 were below non-industrial RCLs and while some isolated spots may contain levels above RCLs it appears most do not. With only one soil detection above industrial direct contact standards and relatively consistent groundwater monitoring results, Ayres believes that contamination in these areas was identified to the extent practicable and that no additional investigation or monitoring is warranted.

Recommendations

The following recommendations are provided based on the information collected during this assessment:

- Submit this site investigation report to the WDNR and apply for case closure

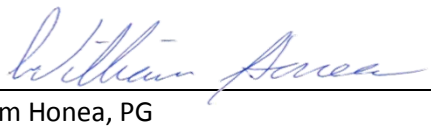
Standard of Care

This site investigation report is based on data obtained by Ayres Associates and other contractors associated with Manitowoc County through placement of soil borings, installation of monitoring wells, and collection and analysis of soil and groundwater samples. Water level measurements and soil and water qualities reported apply only to the specific locations and times at which the work was performed. Variations in the sample results may occur if the samples were collected from locations between the soil borings and monitoring wells.

Conclusions and recommendations made represents our professional engineering judgment in interpreting these data, as well as data obtained from reports prepared by others relative to soil and groundwater conditions in the study area. Data, computations, and correspondence supporting the information presented in this report are on file at Ayres Associates.

NR 712.09 Submittal Certification

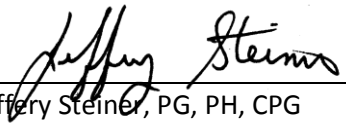
"I, William Honea, hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."



May 16, 2017
Date

William Honea, PG
Geologist

"I, Jeffrey C. Steiner, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."



May 16, 2017
Date

Jeffery Steiner, PG, PH, CPG
Hydrogeologist

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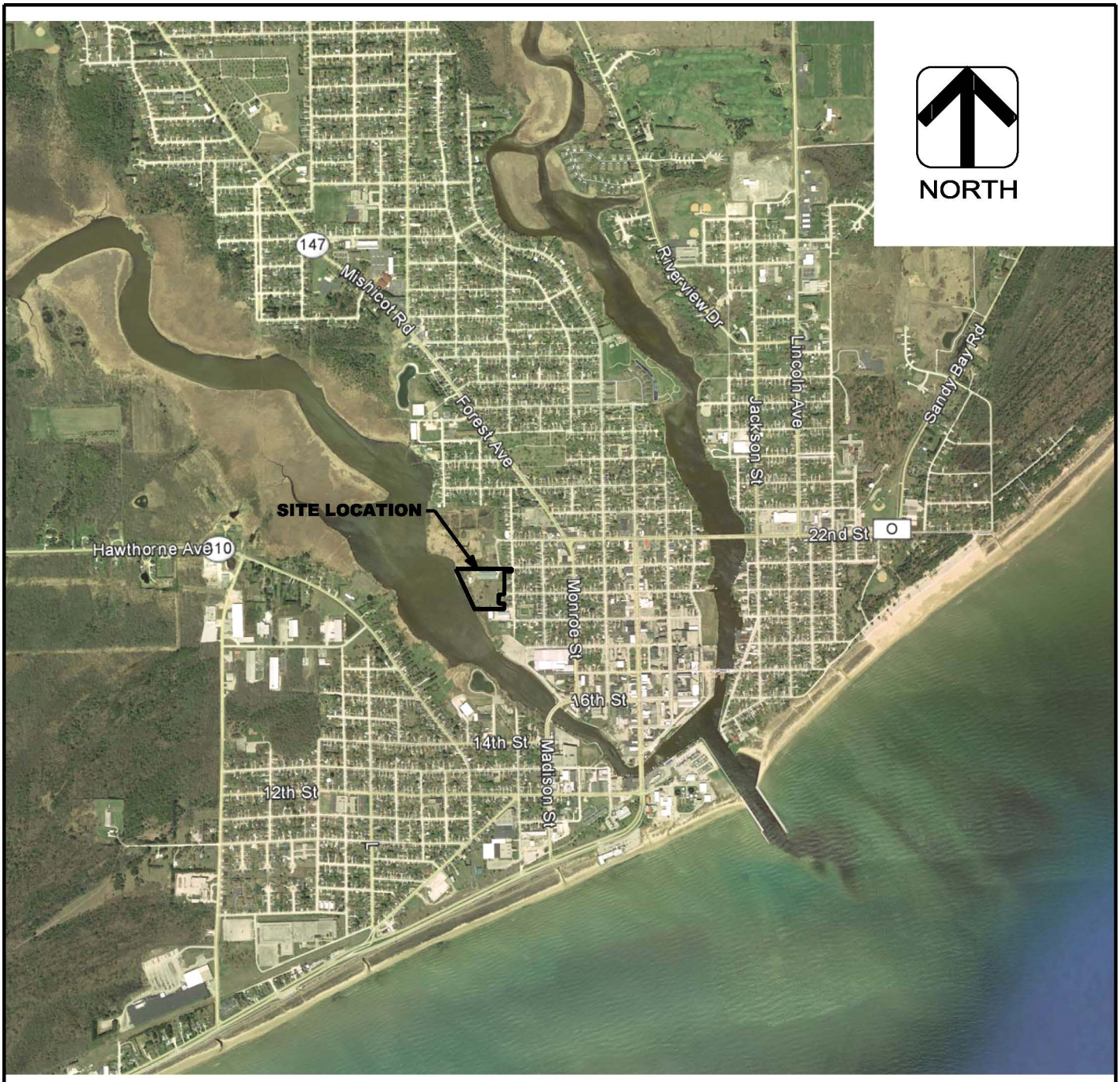
Figures



SITE LOCATION MAP

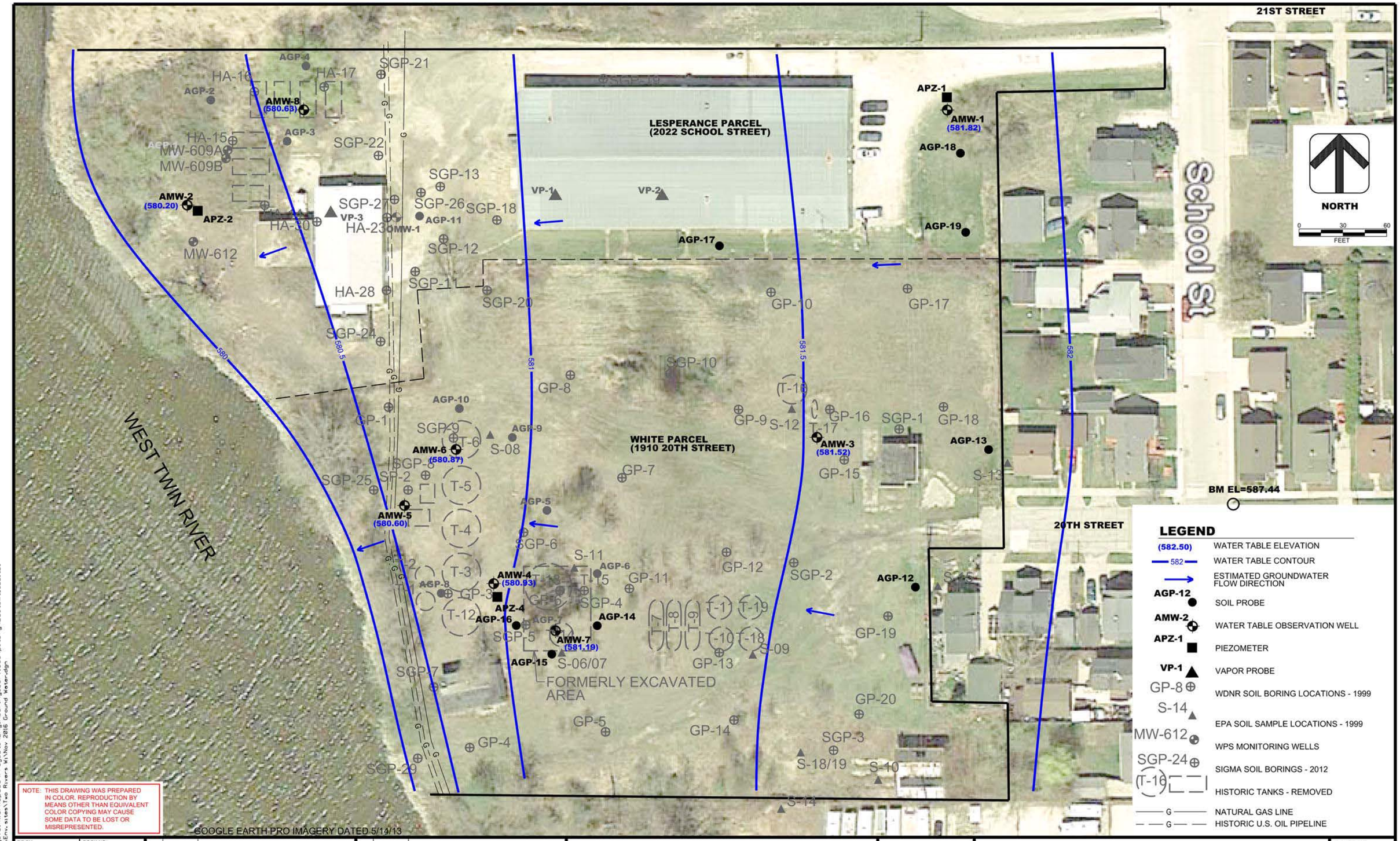
1910 20TH STREET & 2022 SCHOOL STREET
TWO RIVERS, WISCONSIN
NOT TO SCALE

NOTE: THIS DRAWING WAS PREPARED IN COLOR. REPRODUCTION BY MEANS OTHER THAN EQUIVALENT COLOR COPYING MAY CAUSE SOME DATA TO BE LOST OR MISREPRESENTED.

GOOGLE EARTH PRO IMAGE DATED 5-14-2013

DR.BY T. SHUPERT CHK.BY J. STEINER DATE APRIL 2015	1910 20TH STREET & 2022 SCHOOL STREET TWO RIVERS, WISCONSIN	AYRES ASSOCIATES Eau Claire, Wisconsin	SITE LOCATION MAP	FIGURE NO. 1

4/30/2015
PEN
V:\ENV\CAD\Env. sites\Two Rivers WI\Location Map.DGN



NOTE: THIS DRAWING WAS PREPARED IN COLOR. REPRODUCTION BY MEANS OTHER THAN EQUIVALENT COLOR COPYING MAY CAUSE SOME DATA TO BE LOST OR MISREPRESENTED.

GOOGLE EARTH PRO IMAGERY DATED 5/14/13

12/22/2016
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DR.BY T. SHUPERT	BOOK NO.					1910 20TH STREET & 2022 SCHOOL STREET TWO RIVERS, WISCONSIN	NOVEMBER 2016 WATER TABLE CONTOUR MAP
CHK.BY J. STEINER	JOB NO. 19-0558.00					AYRES ASSOCIATES Eau Claire, Wisconsin	DRAWING NO. 4
DATE DECMBER 2016	SCALE AS SHOWN	NO.	DATE	REVISION	NO.	DATE	REVISION

21ST STREET

School St

20TH STREET

WEST TWIN RIVER

LESPERANCE PARCEL
(2022 SCHOOL STREET)

WHITE PARCEL
(1910 20TH STREET)

FORMERLY EXCAVA
AREA

AMW-8 (580.63)
AMW-2 (580.20)
AMW-6 (580.87)
AMW-5 (580.60)
AMW-4 (580.93)
AMW-7 (581.19)
AMW-1 (581.82)
AMW-3 (581.52)
APZ-1
APZ-2
APZ-4
MW-609A
MW-609B
MW-612
AGP-1 AGP-2 AGP-3 AGP-4 AGP-5 AGP-6 AGP-7 AGP-8 AGP-9 AGP-10 AGP-11 AGP-12 AGP-13 AGP-14 AGP-15 AGP-16 AGP-17 AGP-18 AGP-19
VP-1 VP-2 VP-3
HA-15 HA-16 HA-17 HA-23 HA-28 HA-30
SGP-1 SGP-2 SGP-3 SGP-4 SGP-5 SGP-6 SGP-7 SGP-8 SGP-9 SGP-10 SGP-11 SGP-12 SGP-13 SGP-18 SGP-20 SGP-21 SGP-22 SGP-24 SGP-25 SGP-26 SGP-27 SGP-29
GP-1 GP-3 GP-4 GP-5 GP-7 GP-8 GP-9 GP-10 GP-11 GP-12 GP-15 GP-16 GP-17 GP-18 GP-19 GP-20
S-06/07 S-08 S-09 S-10 S-11 S-12 S-13 S-14 S-18/19
T-5 T-6 T-12 T-15 T-16 T-17 T-18 T-19

580 580.5 581 581.5 582

BM EL=587.44

NORTH
0 30 60
FEET

AMW-8, 0-4 ft bgs mg/Kg
1,2-Dichloroethane *0.0511*
Benzene *0.129*

Bold underlined font indicates a value above industrial RCLs
Bold font indicates a value above non-industrial RCLs
Underlined italic font indicates a value able protection of groundwater standards

LEGEND

- (582.50) WATER TABLE ELEVATION
- 582 WATER TABLE CONTOUR
- ESTIMATED GROUNDWATER FLOW DIRECTION
- AGP-12 SOIL PROBE
- AMW-2 WATER TABLE OBSERVATION WELL
- APZ-1 PIEZOMETER
- VP-1 VAPOR PROBE
- GP-8 WDNR SOIL BORING LOCATIONS - 1999
- S-14 EPA SOIL SAMPLE LOCATIONS - 1999
- MW-612 WPS MONITORING WELLS
- SGP-24 SIGMA SOIL BORINGS - 2012
- (T-16) HISTORIC TANKS - REMOVED
- G NATURAL GAS LINE
- G HISTORIC U.S. OIL PIPELINE

NOTE: THIS DRAWING WAS PREPARED IN COLOR. REPRODUCTION BY MEANS OTHER THAN EQUIVALENT COLOR COPYING MAY CAUSE SOME DATA TO BE LOST OR MISREPRESENTED.

GOOGLE EARTH PRO IMAGERY DATED 5/13/13

DR.BY	T. SHUPERT
CHK.BY	J. STEINER
DATE	DECMBER 2016
BOOK NO.	
JOB NO.	19-0558.00
SCALE	AS SHOWN

NO.	DATE	REVISION

1910 20TH STREET & 2022 SCHOOL STREET
TWO RIVERS, WISCONSIN

AYRES ASSOCIATES
Eau Claire, Wisconsin

NOVEMBER 2016 WATER TABLE CONTOUR MAP

DRAWING NO. 4

12/22/2016
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Tables

Table 1
Soil Detection Summary
1910 20th Street and 2022 School Street
Two Rivers, Wisconsin

	Sample	AMW-8	AGP-12	AGP-13	AGP-14	AGP-15	AGP-16	AGP-17	AGP-18	AGP-19	NR 720 Soil Standards [e]			Background Threshold Value
	Date	8/18/16	8/18/16	8/18/16	8/18/16	8/18/16	8/18/16	8/18/16	8/18/16	8/18/16	Direct Contact RCLs		Protection of Groundwater RCL	
	Sample Depth (ft bgs)	0-4	0-4	0-4	2-4	2-4	2-4	0-4	0-4	0-4				
	USCS Soil Type	SM	SP	SP	SM	SP, PT	ML, SP	SP, CL	SP	SM	Industrial	Non-Industrial		
RCRA Metals (mg/Kg)	Arsenic	--	**2.6** [d]	--	--	--	--	<0.42	**2.4** *,[d]	**2.7** [d]	3	0.677	0.292	8
	Barium	--	--	--	--	--	--	39.6 [d]	45.6 [d]	56.4 [d]	15300	15300	82.4	364
	Cadmium	--	--	--	--	--	--	<0.029 [d]	<0.053 [d]	0.31 [d]	985	71.1	0.376	1
	Chromium	--	--	--	--	--	--	11.7 [d]	6.5 [d]	6.4 [d]	NS	NS	180000	44
	Lead	--	--	--	--	--	--	3.9 [d]	***75.1***	***97.6***	800	400	13.5	52
	Mercury	--	0.052	--	--	--	--	0.017	0.091 [m]	***0.12***	3.13	3.13	0.104	NS
	Selenium	--	--	--	--	--	--	<1.0	<1.8	***1.7*** *	5840	391	0.26	NS
	Silver	--	--	--	--	--	--	<0.20	<0.36	<0.32	5840	391	0.4245	NS
Polycyclic Aromatic Hydrocarbons (mg/Kg)	1-Methylnaphthalene	0.231 *,[p]	0.149 *,[p]	0.207 *,[p]	--	--	--	<0.016	<0.45	<0.59	72.7	17.6	NS	NS
	2-Methylnaphthalene	0.810	<0.14	0.788	--	--	--	<0.019	<0.55	<0.72	3010	239	NS	NS
	Acenaphthene	<0.11	2.64 [p]	<0.12	--	--	--	<0.017	<0.48	<0.63	45200	3590	NS	NS
	Acenaphthylene	<0.11	2.44 [p]	0.232 *,[p]	--	--	--	<0.017	<0.48	<0.63	NS	NS	NS	NS
	Anthracene	<0.022	0.0310 *,[p]	0.0323 *,[p]	--	--	--	<0.0034	0.164 *,[p]	0.595 [p]	100000	17900	98.4746	NS
	Benzo(a)anthracene	<0.0043	0.315	0.163	--	--	--	0.00305	**1.27**	**2.36**	20.8	1.14	NS	NS
	Benzo(a)pyrene	0.0514 [p,m]	<0.016	**0.285**	--	--	--	<0.0023	**1.78**	**3.43**	2.11	0.115	0.235	NS
	Benzo(b)fluoranthene	0.0499	<0.013	***0.338***	--	--	--	0.00565 *	**1.87**	**3.02**	21.1	1.15	0.2397	NS
	Benzo(g,h,i)perylene	0.0673 *	0.526	0.305	--	--	--	<0.0045	1.87	3.31	NS	NS	NS	NS
	Benzo(k)fluoranthene	0.0174 *,[p]	<0.010	0.144	--	--	--	0.00317 *,[p]	0.432 [p]	1.45	211	11.5	NS	NS
	Chrysene	<0.036	<0.040	0.159 p	--	--	--	<0.0057	***1.46***	***3.42***	2110	115	0.0723	NS
	Dibenzo(a,h)anthracene	<0.051 [a]	<0.056 [a]	<0.058 [a]	--	--	--	<0.0079	<0.22	<0.30	2.11	0.115	NS	NS
	Fluoranthene	0.0622 [p]	0.362 [p]	0.601	--	--	--	0.00554 *	2.40	6.13	30100	2390	NS	NS
	Fluorene	<0.058	1.99	<0.066	--	--	--	<0.0090	<0.26	<0.34	30100	2390	NS	NS
	Indeno(1,2,3-cd)pyrene	0.0644 *	<0.032	0.296	--	--	--	0.00531 *,[p]	**1.95**	**2.77**	21.1	1.15	NS	NS
	Naphthalene	0.800	0.541 *,[p]	<0.19	--	--	--	<0.026	<0.74	<0.97	24.1	5.52	NS	NS
	Phenanthrene	0.0948 [p]	0.181 [p]	0.317 [p]	--	--	--	<0.0045	1.34	4.00	NS	NS	NS	NS
	Pyrene	<0.065	<0.072	0.128 *,[p]	--	--	--	<0.010	2.85	7.48	22600	1790	NS	NS
Polychlorinated Biphenyls (mg/Kg)	Aroclor-1016	--	--	--	<0.0090 [m]	<0.015	<0.0093	--	--	--	28	4.11	NS	NS
	Aroclor-1221	--	--	--	<0.023 [m]	<0.036	<0.023	--	--	--	0.883	0.213	NS	NS
	Aroclor-1232	--	--	--	<0.016	<0.026	<0.016	--	--	--	0.792	0.19	NS	NS
	Aroclor-1242	--	--	--	<0.011	<0.018	0.0537	--	--	--	0.972	0.235	NS	NS
	Aroclor-1248	--	--	--	<0.015	<0.024	<0.015	--	--	--	0.975	0.236	NS	NS
	Aroclor-1254	--	--	--	<0.011	<0.018	<0.012	--	--	--	0.988	0.239	NS	NS
	Aroclor-1260	--	--	--	0.105	<0.0055	<0.0035	--	--	--	1	0.243	NS	NS
Volatile Organic Compounds (mg/Kg) [w]	1,2,4-Trimethylbenzene	0.515	--	--	--	--	--	--	--	--	219	219	NS	NS
	1,2-Dichloroethane	***0.0511*** *	--	--	--	--	--	--	--	--	2.87	0.652	0.0014	NS
	Benzene	***0.129***	--	--	--	--	--	--	--	--	7.07	1.6	0.0026	NS
	Ethylbenzene	0.128	--	--	--	--	--	--	--	--	35.4	8.02	0.785	NS
	m & p-Xylene	0.726	--	--	--	--	--	--	--	--	788	778	NS	NS
	Naphthalene	0.123 *	--	--	--	--	--	--	--	--	24.1	5.52	0.3291	NS
	o-Xylene	0.186	--	--	--	--	--	--	--	--	434	434	NS	NS
	n-Propylbenzene	0.0622 *	--	--	--	--	--	--	--	--	264	264	NS	NS
	Toluene	0.442	--	--	--	--	--	--	--	--	818	818	0.5536	NS
	Trimethylbenzene [b]	0.635	--	--	--	--	--	--	--	--	182	182	1.3821	NS
	Xylene [c]	0.912	--	--	--	--	--	--	--	--	260	260	3.96	NS

Notes: < Value less than the laboratory limit of detection. * Value between the laboratory limit of detection and limit of quantitation. [a] Laboratory limit of detection is equal to or greater than the NR 720 RCL. [b] 1,2,4- and 1,3,5-Trimethylbenze combined. [c] Meta-, ortho-, and para-Xylene combined. [d] Below the background threshold values for trace element maximum levels in Wisconsin surface soils from the USGS Report at http://pubs.usgs.gov/sir/2011/5202. [e] March 2017 RCLs. [p] Concentration of analyte differs more than 40% between primary and confirmation analysis. [m] Matrix spike and/or matrix spike duplicate recovery outside of acceptable limits. [w] Sample amount received was below laboratory program minimum. **Bold underline** font indicates a value equal to or greater than the NR 720 industrial direct contact RCL. **Bold** font indicate a value equal to or greater than the NR 720 non-industrial direct contact RCL. *Underlined italic* font indicate a value equal to or greater than the NR 720 protection of groundwater standard. bgs = Below ground surface. CL = Clay. mg/Kg = Milligrams per kilogram. ML = Silt. NA= Not applicable. PT = Peat. NS = No standard established. RCL = Residual contaminant level. RCRA = Resource Concervation and Recovery Act. SC = Clayey sands. SM = Silty sands. SP = Poorly graded sand. USCS = Unified Soil Clasification System. -- Not analyzed.

Table 2
Groundwater Detection Summary
1910 20th Street and 2022 School Street
Two Rivers, Wisconsin

	Analyte	NR 140 Standard [c] ES	NR 140 Standard [c] PAL	AMW-1 9/7/16	AMW-1 11/17/16	AMW-1 1/16/17	AMW-2 9/7/16	AMW-2 11/17/16	AMW-2 1/16/17	AMW-3 9/7/16	AMW-3 11/17/16	AMW-3 1/16/17	AMW-4 9/7/16	AMW-4 11/17/16	AMW-4 1/16/17	AMW-5 9/7/16	AMW-5 11/17/16	AMW-5 1/16/17	AMW-6 9/7/16	AMW-6 11/17/16	AMW-6 1/16/17	AMW-7 9/7/16	AMW-8 9/7/16	AMW-8 11/17/16	AMW-8 1/16/17	APZ-1 9/7/16	APZ-1 11/17/16	APZ-1 1/16/17	APZ-2 9/7/16	APZ-2 11/17/16	APZ-2 1/16/17	APZ-4 9/7/16	APZ-4 11/17/16	APZ-4 1/16/17
Dissolved RCRA Metals (µg/L)	Arsenic	10	1	*4.0*	*4.0*	*2.7*	*2.8*	1.8 *	*2.1*	*1.7* *	0.96 *	0.67 *	*1.7* *	*1.7* *	*9.4*	<0.60	*1.6* *	*1.4* *	*1.6* *	*1.8* *	*1.5* *	*1.9* *	*1.0* *	*1.3* *	--	*2.3*	*2.3*	*1.4* *	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60
	Barium	2000	400	75.3	56.6	69.3	352	272	334	237	208	198	155	127	197	138	134	140	358	386	354	90.5	146	129	--	36.1	34.7	39.3	52.1	47.5	50.9	76.9	75.7	79.5
	Cadmium	5	0.5	<0.40	0.41 *	<0.40	<0.40	<0.40	<0.40	<0.40	*0.97* *	<0.40	<0.40	*1.3* *	<0.40	<0.40	*0.94* *	<0.40	<0.40	*1.3* *	<0.40	<0.40	<0.40	<0.40	--	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	Chromium	100	10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.7 *	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	Lead	15	1.5	<1.3	<1.3	<1.3	*2.5* *	<1.3	<1.3	*3.9* *	<1.3	<1.3	1.5 [p]	<1.3	<1.3	<1.3 [m]	<1.3	<1.3	*1.7* *	<1.3	<1.3	<1.3	<1.3	<1.3 [m]	--	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
	Mercury	2	0.2	0.13	0.12	<0.020	*0.24*	0.093	<0.020	*0.25*	0.11	<0.020	*0.25*	0.12	<0.020	*0.24*	0.093	<0.020	0.07	0.087	<0.020	*0.24*	*0.27*	<0.020	--	*0.23*	0.11	<0.020	*0.24*	0.11 [m]	<0.02 [m, y]	*0.23*	0.099	<0.020
	Selenium	50	10	*13.3* *	<7.0	<7.0	*26.4*	*10.2* *	<7.0	*28.4*	*11.6* *	<7.0	*39.2*	*11.6* *	<7.0	36.4 [m]	7.4 *	<7.0	*32.3*	7.8 *	<7.0	*41.8*	*21.0* *	7.2 [m]	--	<7.0	*10.0* *	<7.0	*11.4* *	9.2 *	<7.0	*12.7* *	7.3 *	<7.0
Polycyclic Aromatic Hydrocarbons (µg/L)	1-Methylnaphthalene	NS	NS	<0.15	<0.15	<0.15	11	7.5	5.9	<0.15	<0.15	<0.15	<0.16	<0.15	<0.15	<0.15	<0.16	<0.15	<0.15	<0.15	<0.15	<0.15	16	30	--	<0.15	<0.15	<0.15	<0.16	<0.16	<0.15	<0.17	<0.16	<0.15
	2-Methylnaphthalene	NS	NS	<0.16	<0.16	<0.16	3.7 [p]	2.8 [p]	2.8	<0.16	<0.16	<0.16	<0.17	<0.16	<0.16	<0.16	<0.17	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	--	<0.16	<0.16	<0.16	<0.17	<0.17	<0.16	<0.18	<0.17	<0.16
	Acenaphthene	NS	NS	<0.24	<0.25	<0.25	1.7 [p]	1.4 [p]	<0.24	<0.25	<0.25	<0.25	<0.25	<0.25	<0.24	<0.25	<0.25	<0.24	<0.25	<0.25	<0.24	<0.25	4.0 [p]	7.1 [p]	--	<0.25	<0.24	<0.24	<0.26	<0.25	<0.24	<0.27	<0.25	<0.24
	Acenaphthylene	NS	NS	<0.17	<0.18	<0.18	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.18	<0.18	<0.17	<0.18	<0.18	<0.17	<0.18	<0.18	<0.17	<0.18	8.0 [p]	<0.17	--	<0.18	<0.17	<0.17	<0.18	<0.18	<0.17	<0.19	<0.18	<0.17
	Anthracene	3000	600	<0.10	<0.10	<0.10	0.33 [*, p]	<0.10	0.14 [*, p]	<0.10	<0.10	<0.10	<0.10	<0.10	0.37 [p]	<0.10	<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	--	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10	<0.11	<0.10	<0.10
	Fluoranthene	400	80	<0.0092	<0.0093	<0.0092	<0.0093	<0.0092	0.73	<0.0093	<0.0093	<0.0093	<0.0094	<0.0093	<0.0092	<0.0093	<0.0095	<0.0091	0.018 [*, p]	0.11	0.085	<0.0093	<0.0093	<0.0092	--	<0.0093	<0.0092	<0.0091	<0.0098	<0.0094	<0.0092	<0.010	<0.0094	<0.0091
	Fluorene	400	80	<0.082	<0.082	<0.082	4.9	2.2 [p]	2.3	<0.082	<0.082	<0.082	<0.083	<0.082	<0.082	<0.082	<0.084	<0.081	<0.082	<0.082	<0.081	<0.082	<0.082	<0.082	--	<0.082	<0.082	<0.081	<0.087	<0.083	<0.082	<0.089	<0.083	<0.081
	Naphthalene	100	10	<0.14	<0.14	<0.14	<0.14	<0.14	0.22 [*, p]	<0.14	<0.14	<0.14	<0.15	<0.14	<0.14	<0.14	<0.15	<0.14	<0.14	<0.14	<0.14	<0.14	9.3	*17*	--	<0.14	<0.14	<0.14	<0.15	<0.15	<0.14	<0.16	<0.15	<0.14
	Phenanthrene	NS	NS	<0.026	<0.026	<0.026	1.4 [p]	<0.026	0.42 [p]	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.025	0.13	0.095 *	0.078 *	<0.026	<0.026	<0.026	--	<0.026	<0.026	<0.025	<0.027	<0.026	<0.026	<0.028	<0.026	<0.025
	Pyrene	250	50	<0.028	<0.028	<0.028	<0.028	<0.028	1.3	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.027	<0.028	<0.028	<0.027	<0.028	<0.028	<0.028	--	<0.028	<0.028	<0.027	<0.029	<0.028	<0.028	<0.030	<0.028	<0.027
Polychlorinated Biphenyls (µg/L) [a]	Aroclor-1016	0.03	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.18	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1221	0.03	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.18	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1232	0.03	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.19	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1242	0.03	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.092	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1248	0.03	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.11	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1254	0.03	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.082	--	--	--	--	--	--	--	--	--	--	--	--
	Aroclor-1260	0.03	0.003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.051	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (µg/L)	1,1-Dichloroethane	850	85	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	2.7	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<6.0	<3.0	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30 [m, y]	<0.30	<0.30	<0.30
	1,2-Dichloroethane	5	0.5	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	**10.0**	**12.0** *	**13.0**	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26 [m, y]	<0.26	<0.26	<0.26
	Benzene	5	0.5	<0.24	<0.24	<0.24	*2.9*	*2.0*	*3.3*	<0.24	<0.24	<0.24	<0.24	<0.24	**5.8**	0.33 *	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	**420**	**540**	**500**	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24 [m, y]	<0.24	<0.24	<0.24
	Chloroethane	400	80	<0.50	<0.50 [z]	<0.50	<0.50	<0.50 [z]	<0.50	<0.50	<0.50 [z]	<0.50	<0.50	<0.50 [z]	1.6	<0.50	<0.50 [z]	<0.50	<0.50	<0.50 [z]	<0.50	<0.50	<0.50	<10 [z]	<5.0	<0.50	<0.50 [z]	<0.50	<0.50	<0.50 [z]	<0.50 [y]	<0.50	<0.50 [z]	<0.50
	Ethylbenzene	700	140	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	88	90	100	<0.30	<0.30	<0.30	<0.30	<0.30	<0.44 [m, y]	<0.30	<0.30	<0.30
	Isopropylbenzene	NS	NS	<0.40	<0.40	<0.40	2.4	1.2	1.8	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	10	8.4	9.0 *	<0.40	<0.40	<0.40	<0.40	<0.40	<0.46 [y]	<0.40	<0.40	<0.40
	Xylenes [b]	2000	400	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	27.9	<30	<27	<0.90	<0.90	<0.90	<0.90	<0.90	<0.47 [y]	<0.90	<0.90	<0.90
	Methyl tert-butyl ether (MTBE)	60	12	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.43 *	0.54	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.51 *	<0.30	<6.0	<3.0	<0.30	<0.30	<0.30	<0.30	<0.30	<0.48 [m, y]	<0.30	<0.30	<0.30
	Methylene chloride	5	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**19**	<5.0 [a]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.49 [m, y]	<0.50	<0.50	<0.50
	Naphthalene	100	10	<0.70	<0.70	<0.70	<0.70	<0.70	1.1 *	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	<0.70	*23*	*20* *	*22*	<0.70	<0.70	<0.70	<0.70	<0.70	<0.50	<0.70	<0.70	<0.70
	n-Butylbenzene	NS	NS	<0.40	<0.40	<0.40	1.8	1.5	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<8.0	<4.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.51 [y]	<0.40	<0.40	<0.40
	n-Propylbenzene	NS	NS	<0.50	<0.50	<0.50	3.7	1.7 *	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	<10	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.52 [m, y]	<0.50	<0.50	<0.50
	sec-Butylbenzene	NS	NS	<0.40	<0.40	<0.40	1.6	1.3	1.7	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<8.0	<4.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.54 [y]	<0.40	<0.40	<0.40
	Tetrahydrofuran	50	10	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	*31*	*41*	*23*	5.1 *	*11*	7.2 *	<3.0	<3.0	<3.0	*38*	<3.0	<60 [a]	<30 [a]	<3.0	<3.0	<3.0	<3.0	<3.0	<0.58 [y]	<3.0	<3.0	<3.0
	Toluene	800	160	<0.30	<0.30	<0.30	0.51 *	0.40 *	0.5	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	1.8	<6.0	<3.0	<0.30	<0.30	<0.30	<0.30	<0.30	<0.59 [m, y]	<0.30	<0.30	<0.30

Notes: < Value is less than the laboratory limit of detection. * Value is between the laboratory limit of detection and limit of quantitation. [a] The laboratory limit of detection is greater than the enforcement standard and/or preventative action limit. [b] Meta-, ortho-, and para-Xylene combined. [c] NR 140 Standards updated February 2017. [m] Matrix spike and/or Matrix Spike Duplicate recovery was outside of acceptable limits. [p] Concentration of analyte differs more than 40% between the primary and confirmation analysis. [y] Replicate/duplicate precision outside acceptance limits. [z] Specified calibration criteria was not met. **Bold** font indentifies values equal to or greater than the enforcement standard. µg/L = Micrograms per liter. ES = Enforcement standard. PAL = Preventative action limit. *Underlined italic* font identifies values equal to or greater than the preventative action limit. -- Not analyzed.

Table 3
Groundwater Elevations
1910 20th Street and 2022 School Street
Two Rivers, Wisconsin

Well ID	Bottom of Screen	Top of Screen	Top of Casing	9/7/2016		11/17/2016		1/16/2017	
				BTOC (ft)	Elevation	BTOC (ft)	Elevation	BTOC (ft)	Elevation
AMW-1	569.7	579.7	587.35	5.25	582.10	5.53	581.82	5.42	581.93
APZ-1	552.2	557.2	587.78	5.78	582.00	5.78	582.00	5.79	581.99
AMW-2	567.3	577.3	585.66	4.55	581.11	5.46	580.20	5.84	579.82
APZ-2	550.1	555.1	585.53	4.42	581.11	4.90	580.63	5.13	580.40
AMW-3	568.6	578.6	586.52	4.88	581.64	5.00	581.52	5.20	581.32
AMW-4	567.7	577.7	585.07	3.88	581.19	4.14	580.93	4.36	580.71
APZ-4	550.2	555.2	585.59	4.49	581.10	4.55	581.04	4.71	580.88
AMW-5	566.7	576.7	584.72	3.24	581.48	4.12	580.60	4.39	580.33
AMW-6	568.3	578.3	585.09	3.54	581.55	4.22	580.87	4.49	580.60
AMW-7 [a]	569.6	579.6	585.59	4.35	581.24	4.40	581.19	4.68	580.91
AMW-8 [a]	569.3	579.3	585.48	4.21	581.27	4.85	580.63	5.04	580.44

Notes: Elevations are in feet above mean sea level (ft msl) and were surveyed using the USGS datum. The benchmark was the top of the hydrant pump nozzle at the northeast corner of 20th St and School St (587.44 ft msl). -- Not measured. [a] Installed on 8/18/2016.
BTOC = below top of PVC casing in feet

Table 4
Vertical Groundwater Gradients
1910 20th Street and 2022 School Street
Two Rivers, Wisconsin

Well Nest	Vertical Distance (ft) [a]	9/7/2016		11/17/2016		1/16/2017	
		Elevation	Gradient	Elevation	Gradient	Elevation	Gradient
AMW-1		582.10		581.82		581.93	
APZ-1	20.0	582.00	-0.00500	582.00	0.00900	581.99	0.00300
AMW-2		581.11		580.20		579.82	
APZ-2	19.7	581.11	0.000	580.63	0.0215	580.40	0.0290
AMW-4		581.19		580.93		580.71	
APZ-4	20.0	581.10	-0.00450	581.04	0.00550	580.88	0.00850

Notes: [a] Distance between the midpoints of the well screen and peziometer screen. Elevations are in feet above mean sea level (ft msl). Negative values indicate a downward gradient and positive values indicate an upward gradient.

Appendix A

Correspondence

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2984 Shawano Avenue
Green Bay WI 54313-6727

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

June 9, 2016

Mr. Gerry Neuser
Dept. of Public Works Director
Manitowoc County
1028 South 9th Street
Manitowoc, WI 54220

SUBJECT: Site Investigation Report Not Approved,
Lesperance Property (Former)(LGU) and White Property (LGU),
2022 School Street and 1910 20th Street, Two Rivers, Wisconsin
BRRTS #s: 02-36-560273 and 02-36-096500

Dear Mr. Neuser,

Purpose

The purpose of this letter is to provide a response to the *NR 716 Investigation Report*, dated July 2015, with review fee submitted on your behalf by Ayres Associates (Ayres) that was received by the Department of Natural Resources (the Department) on September 11, 2015. The *Phase II Environmental Assessment Activities Report*, dated March 2013, submitted by Sigma Group to the Department and historic investigation documentation from the 1990s for the EPA removal action and the Department site assessment at the White Property (LGU) site was also evaluated to determine if the site investigations for the Lesperance Property (Former)(LGU) and White Property (LGU) cases are complete. Per the October 20, 2015 meeting with Manitowoc County (County), the Department and the County agreed to delay the site investigation review until the County determined whether or not they would like to apply for the Voluntary Party Liability Exemption (VPLE). On April 19, 2016, through email correspondence with Ayres, the Department was notified that the County decided not to apply for VPLE, so the Department proceeded with review of the site investigation report. The fee for review of the site investigation report was re-issued by Ayres and received by the Department on June 6, 2016.

Additional Actions

The site investigations for these two environmental repair (ERP) cases have been conducted concurrently throughout the Wis. Admin. ch. NR 700 rule series cleanup process. Based on the review, the Department has determined that the site investigation is not complete. Please submit a work plan to the Department for the following items that need to be addressed in order to complete the investigation. Please refer to the attached figures for reference to sample locations.

- A monitoring well needs to be installed in the source area near soil sample locations HA-17 and AGP-3 to determine if groundwater is impacted by volatile organic compounds (VOCs) or polycyclic aromatic hydrocarbons (PAHs) in the vicinity of the former aboveground storage tanks (ASTs) on the Lesperance property.
- PAHs and metals have been detected above direct contact soil standards in documented soil fill on the western portion of the Lesperance property and across the entire White property. There is limited soil sampling on the east half of the Lesperance property within the direct contact zone (0-4 feet below ground) in the soil fill documented on-site. The Department will assume that PAHs and metals are in the

documented soil fill across the entire Lesperance property, unless additional soil samples are collected to prove otherwise.

- The Department concurs with the site investigation report recommendation that additional soil delineation is needed for polychlorinated biphenyls (PCBs) around soil sample location AGP-7 on the White property.
- PCBs were detected in soil above the groundwater pathway residual contaminant level (RCL) in AGP-7 on the White property; therefore, a monitoring well needs to be installed at the AGP-7 location to determine if PCBs are impacting groundwater.
- Soil samples need to be collected along the White property boundary adjacent to historic off-site soil samples S-13 and S-15, which were collected after the EPA removal action as part of the Department site assessment, to confirm if there are soil standard exceedances for PAHs, arsenic, and/or mercury. The Department plans to work with your consultant and provide funding for collection and analysis of these samples.
- Monitoring wells installed on the Lesperance and White properties in 2015 need to be resampled.
- There was historic sediment data collected adjacent to the Lesperance and White properties. An additional large scale sediment investigation is being conducted in the area in the near future. Sediment sampling is not necessary at this time; however, pending further evaluation of future sediment data that will be submitted to the Department, additional sediment investigation may be warranted.

Depending on the results of the additional site investigation, additional environmental work may be required. The Department appreciates the County's environmental work conducted to date as an exempt local government unit to progress these properties through the cleanup process and towards an end goal of redevelopment. Please feel free to contact me at (920) 662-5178 or at Tauren.Beggs@wisconsin.gov if you have any questions in regard to this letter.

Sincerely,

Tauren R. Beggs
Hydrogeologist – Northeast Region
Remediation & Redevelopment Program

Attachments:

- Site Map, April 2015
- Site Assessment Sample Location Map, January 1995

cc: Lynn Scherbert, Ayres Associates (electronic)

June 13, 2016

Mr. Tauren Beggs, Hydrogeologist
WNDR
2984 Shawano Avenue
Green Bay, WI 54313-6727

Re: Opinion of Probable Costs – Soil Sampling White Property (WDNR Letter dated June 6, 2016)

Dear Tauren,
With regard to the your request for costs associated with the above referenced letter (*Scope of Work for Confirmation Soil Sampling at White Property (LGU), 1910 20th Street, Manitowoc, Wisconsin, BRRTS # 02-36-096500*); the following probable costs are provided:

- Collection, analysis, and data summary of one soil sample from 0-3 feet bgs (Adjacent to S-13) on attached figures. Analysis to include Polycyclic Aromatic Hydrocarbons (PAHs) only;
- Collection, analysis, and data summary on one soil sample from 0-3 feet bgs (Adjacent to S-15) in the attached figures. Analysis to include PAHs; and the metals arsenic and mercury only.

Total opinion of probable cost to address these two sampling activities is:

Laboratory: $190.00 (PAH Method 8310 on both samples; and arsenic and mercury analysis on one sample only)
Drilling: $80.00 (6 total feet plus abandonment)
Collection of samples, packing, shipping and Data Summary: $500.00

Total fee: $770.00

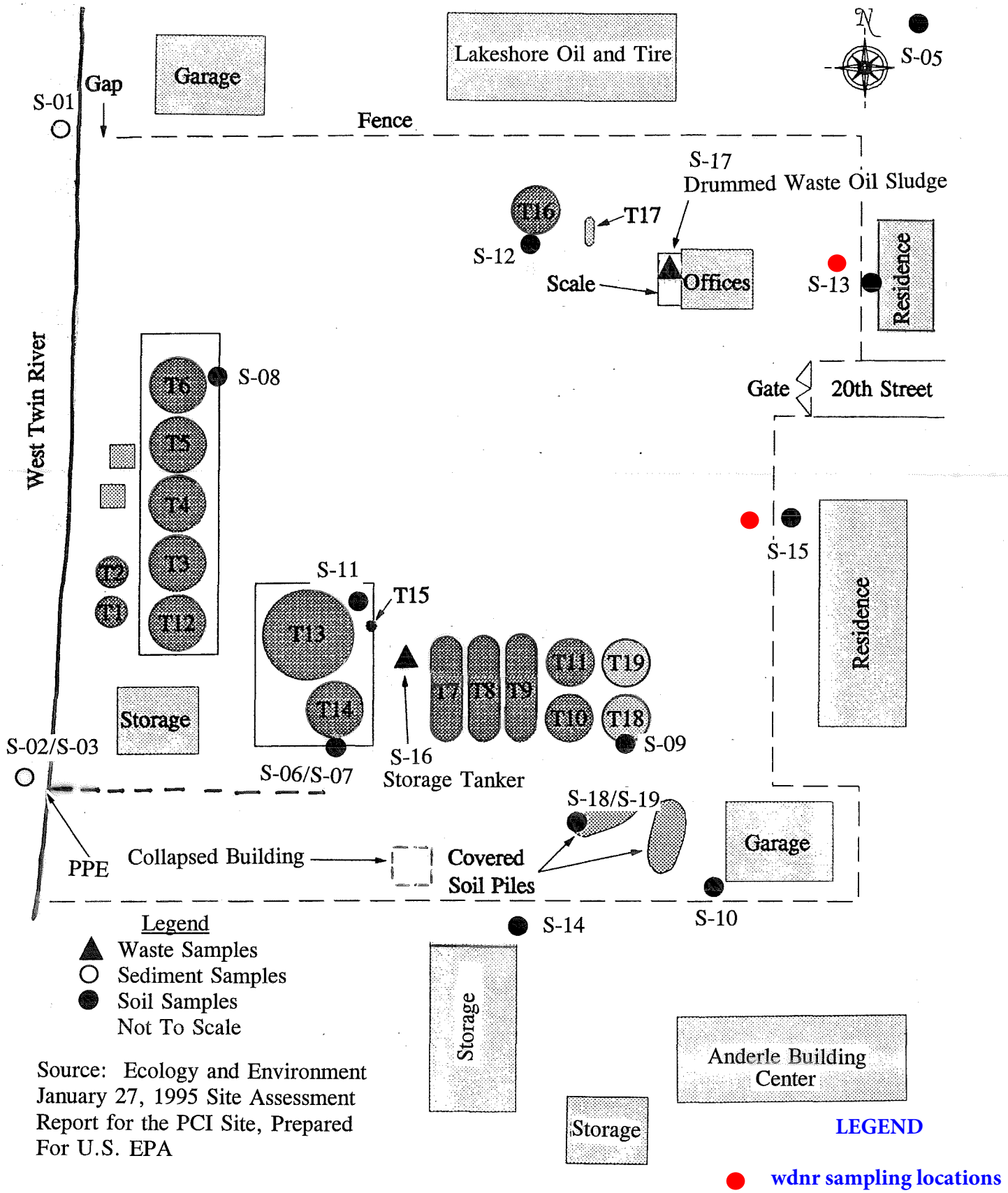
Tauren, please let me know how the WDNR wishes to handle this budget item, it would be easier to avoid not require a separate contract with WDNR that would add to administrative time and associated increased internal costs. If you have provide funding directly to the County to cover these costs it would be the easiest.

Sincerely,

Ayres Associates Inc

Lynn Scherbert, PE
Senior Engineer – Environmental Division
262-522-4923
ScherbertL@AyresAssociates.com

Enclosure
cc: File



Source: Ecology and Environment
January 27, 1995 Site Assessment
Report for the PCI Site, Prepared
For U.S. EPA

MEMORANDUM

AYRES ASSOCIATES

To: Tauren Beggs, 2984 Shawano Avenue (WDNR)

From: Lynn Scherbert - Ayres

Date: May 26, 2016

Re: *Closure Committee Review to Determine Site Investigation Completeness*
Former White (BRRTS # 02-36-096500) and Lesperance (BRRTS # 02-36-560273) Properties
Two Rivers, Wisconsin 53105

Dear Mr. Beggs:

Ayres Associates (Ayres) reviewed the Committee's recommendations for additional actions at the above referenced Environmental Repair Program (ERP) sites and has the following observations.

Additional Actions

"Historic soil samples (Confirmation soil samples could potentially be collected by DNR since the initial sampling was done by EPA, additional discussion may be needed for this):"

- The memo suggests that the department may collect samples to confirm soil standard exceedances of metals and PAHs at historic sample locations S-13 and S-15. Is the department planning to collect these samples?

"A soil sample S-10, collected near a historic soil pile area in 1994 on White had PCB Aroclor 1260 at 1.7J mg/kg. A confirmation soil sample SGP-3 collected in December 2012 within approximately 20-30 feet of S-10 had no detection of any PCB aroclors. Therefore, the DNR does not require any further sampling in this area for PCBs."

- *Concur*

"Concur with consultant recommendation that additional soil delineation is needed for PCBs around soil sample AGP-7 on White."

- *Concur*

"In addition, groundwater will need to be assessed in the AGP-7 area on White since PCB concentrations were above the soil to groundwater pathway standard. This proposed groundwater sampling location is also within the most contaminated portion of the volatile organic compound (VOC) plume, so should be analyzed for VOCs as well."

- In 2015, Ayres installed well nest AMW-4/APZ-4 approximately 45-feet down gradient of AGP-7 to focus on groundwater within the former release area. Samples collected from these wells did not detect any significant concentrations of VOCs or PAHs emanating from the former release area. While Ayres does recommend additional soil sampling to delineate the extent of PCB contamination around AGP-7, the relativity low concentration combined with the low solubility of PCBs make it unlikely that dissolved PCBs will be detected in groundwater. However, groundwater samples from AMW-4 could be analyzed for PCBs as an alternative.

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"Two groundwater monitoring wells need to be installed on Lesperance, one near HA-17/SGP-21 area to assess up gradient, and one within the ASTs area."

- Groundwater samples collected from well nest AMW-2/APZ-2 did not indicate that groundwater down gradient of the AST area has been impacted. If groundwater down gradient of the AST area is not impacted, an up gradient well is unlikely to provide any additional information. Based upon the locations and data associated with AMW-2/APZ-2 we would recommend eliminating the installation of these wells and conducting three more rounds from existing wells.

"Resampling of the groundwater monitoring wells installed in 2015 is needed."

- Concur: Ayres has proposed three additional rounds of groundwater monitoring at wells AMW-2, APZ-2, AMW-3, AMW-4, APZ-4, AMW-5, and AMW-6. Samples will be analyzed for PAHs, RCRA metals, and VOCs. AMW-4/APZ-4 can also be analyzed for PCBs as stated above.

"Metal and PAH exceedances in soil above industrial direct contact standards on Lesperance and White are unable to be delineated, so are assumed to be across the property from property boundary to property boundary. Exception for Lesperance: There is limited soil data on the east half of Lesperance within the direct contact zone in the soil fill. Additional soil samples need to be collected and analyzed for PAHs and metals within the upper four feet to assess if direct contact exceedances are present on the east half of the property. If no exceedances, an argument could be made to exclude the east half of the property from capping requirements."

- While there is limited soil data from the east half of the Lesperance property, the majority of this area is under roof or has recently been capped by with an asphalt parking area. With the site being capped and negligible up gradient findings: (PZ-1; arsenic 3.7 mg/Kg below background threshold levels) and APZ-1, AMW-1, selenium (42.9 ug/L) below Enforcement Standards; this does not appear warranted.

"There is historic sediment data adjacent to White and Lesperance. Additional sediment investigation is being conducted in the area in the near future. When future sediment data is received by DNR, the DNR will re-evaluate if there is a need for any further sediment investigation. The County can choose to sample prior to or concurrent with the upcoming sediment investigation in the area before further evaluation of future data is completed by the DNR and/or provide justification for these sites."

- At this time, we do not feel any further sediment investigation by the County is warranted.

We'll contact you as soon as possible to discuss these items and confirm the WDNR strategies prior to conducting future sampling activities for the County.

MEMORANDUM

To: Tauren Beggs, 2984 Shawano Avenue (WDNR)

From: Lynn Scherbert - Ayres

Date: May 26, 2016

Re: *Closure Committee Review to Determine Site Investigation Completeness*
Former White (BRRTS # 02-36-096500) and Lesperance (BRRTS # 02-36-560273) Properties
Two Rivers, Wisconsin 53105

Dear Mr. Beggs:

Ayres Associates (Ayres) reviewed the Committee's recommendations for additional actions at the above referenced Environmental Repair Program (ERP) sites and has the following observations.

Additional Actions

"Historic soil samples (Confirmation soil samples could potentially be collected by DNR since the initial sampling was done by EPA, additional discussion may be needed for this):"

- The memo suggests that the department may collect samples to confirm soil standard exceedances of metals and PAHs at historic sample locations S-13 and S-15. Is the department planning to collect these samples?

Response following discussion with Tauren: Tauren spoke with WDNR finance and they will provide funding support/scope to "add" to Ayres Associates existing scope to address these two additional sampling points.

"A soil sample S-10, collected near a historic soil pile area in 1994 on White had PCB Aroclor 1260 at 1.7J mg/kg. A confirmation soil sample SGP-3 collected in December 2012 within approximately 20-30 feet of S-10 had no detection of any PCB aroclors. Therefore, the DNR does not require any further sampling in this area for PCBs."

- *Concur*

"Concur with consultant recommendation that additional soil delineation is needed for PCBs around soil sample AGP-7 on White."

- *Concur*

"In addition, groundwater will need to be assessed in the AGP-7 area on White since PCB concentrations were above the soil to groundwater pathway standard. This proposed groundwater sampling location is also within the most contaminated portion of the volatile organic compound (VOC) plume, so should be analyzed for VOCs as well."

- In 2015, Ayres installed well nest AMW-4/APZ-4 approximately 45-feet down gradient of AGP-7 to focus on groundwater within the former release area. Samples collected from these wells did not detect any significant concentrations of VOCs or PAHs emanating from the former release area. While Ayres does recommend additional soil sampling to delineate the extent of PCB contamination around AGP-7, the relativity low concentration combined with the low solubility

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of PCBs make it unlikely that dissolved PCBs will be detected in groundwater. However, groundwater samples from AMW-4 could be analyzed for PCBs as an alternative.

WDNR prefers a well within the area where PCBs were identified previously within the soil due to their low solubility to delineate this specific area beneath the soil. The existing wells, although within approximately 40 feet are not directly impacted by the historic soil hit of PCB. Tauren stated that a temporary well (constructed in accordance with NR 141) is to be sampled and if the first round of groundwater collected has no indication of PCBs, NO FURTHER SAMPLING is required. WDNR stated that a single temporary well in the location of the previous AGP-7 boring.

"Two groundwater monitoring wells need to be installed on Lesperance, one near HA-17/SGP-21 area to assess up gradient, and one within the ASTs area."

- Groundwater samples collected from well nest AMW-2/APZ-2 did not indicate that groundwater down gradient of the AST area has been impacted. If groundwater down gradient of the AST area is not impacted, an up gradient well is unlikely to provide any additional information. Based upon the locations and data associated with AMW-2/APZ-2 we would recommend eliminating the installation of these wells and conducting three more rounds from existing wells.

WDNR stated that a single well would be sufficient, that two are not necessary and that this could also be installed as a temporary well in accordance with NR 141 criteria. The well should be installed between the former locations of ha-17 and AGP-3 in the vicinity of the former ASTs. The same protocol would be followed in that if there no indications of VOCs/PAHs in the groundwater above Enforcement Standards after the first round of sampling, NO FURTHER SAMPLING would be required.

"Resampling of the groundwater monitoring wells installed in 2015 is needed."

- Concur: Ayres has proposed three additional rounds of groundwater monitoring at wells AMW-2, APZ-2, AMW-3, AMW-4, APZ-4, AMW-5, and AMW-6. Samples will be analyzed for PAHs, RCRA metals, and VOCs. AMW-4/APZ-4 can also be analyzed for PCBs as stated above.

"Metal and PAH exceedances in soil above industrial direct contact standards on Lesperance and White are unable to be delineated, so are assumed to be across the property from property boundary to property boundary. Exception for Lesperance: There is limited soil data on the east half of Lesperance within the direct contact zone in the soil fill. Additional soil samples need to be collected and analyzed for PAHs and metals within the upper four feet to assess if direct contact exceedances are present on the east half of the property. If no exceedances, an argument could be made to exclude the east half of the property from capping requirements."

- While there is limited soil data from the east half of the Lesperance property, the majority of this area is under roof or has recently been capped by with an asphalt parking area. With the site being capped and negligible up gradient findings: (PZ-1; arsenic 3.7 mg/Kg below background threshold levels) and APZ-1, AMW-1, selenium (42.9 ug/L) below Enforcement Standards; this does not appear warranted.

To achieve closure without a specific delineation of potential concerns along the east side of the Lesperance property – WDNR would accept a "boundary to boundary cap. If the East side is already capped and that will be maintained – additional sampling would not be required within this area.

"There is historic sediment data adjacent to White and Lesperance. Additional sediment investigation is being conducted in the area in the near future. When future sediment data is received by DNR, the DNR will re-evaluate if there is a need for any further sediment investigation. The County can choose to sample prior to or concurrent with the upcoming sediment investigation in the area before further evaluation of future data is completed by the DNR and/or provide justification for these sites."

- At this time, we do not feel any further sediment investigation by the County is warranted.

WDNR commented that it is not necessary at this time to address the sediment but a large investigation is being conducted in the area and pending those findings WDNR may require future action.

We'll contact you as soon as possible to discuss these items and confirm the WDNR strategies prior to conducting future sampling activities for the County.

CORRESPONDENCE/MEMORANDUM

State of Wisconsin

DATE: May 5, 2016 FILE REF: Lesperance Property (Former)(LGU) and White Property (LGU)
ERP BRRTS #s 02-36-560273 and 02-36-096500

TO: File

FROM: Tauren Beggs (DNR Project Manager), Roxanne Chronert, Keld Lauridsen, and Kevin McKnight (Closure Committee)

SUBJECT: Project Manager Requested Closure Committee Review to Determine Site Investigation Completeness

Based on the available historic site investigation data from the 1990s for the EPA Removal and DNR Site Assessment at the White Property (White), the March 2013 Phase II Environmental Site Assessment (ESA) data for both cases, and the July 2015 Site Investigation data for both cases, the DNR has determined that the Site Investigation is not complete.

Additional site investigation activities are required. The below information were the topics discussed during the meeting:

- How to address historic off-site samples with soil standard exceedances (S-13 to S-15) collected by EPA in 1994 adjacent to White.
- PCB detection confirmation sampling near historic S-10 sample on White.
- Additional PCB soil and groundwater assessment on White.
- Additional groundwater sampling points in the area of the former above ground storage tanks (ASTs) on the Lesperance Property (Lesperance).
- Inability to delineate industrial exceedances for metals and polycylic aromatic hyrdocarbons (PAHs) in soil fill and evaluation of east half of Lesperance.
- Potential for sediment investigation.
- Surface water Evaluation.
- Appropriate number of BRRTS cases for Lesperance and White.

Additional Actions

The following are decisions made by the Project Manager with concurrence from the Closure Committee from the meeting for additional site investigation:

- Historic soil samples (Confirmation soil samples could potentially be collected by DNR since the initial sampling was done by EPA, additional discussion may be needed for this):
  - A soil sample needs to be collected along the White property boundary adjacent to the off-site sample S-13 for PAHs to confirm if there are soil standard exceedances. S-13: benzo(b)fluoranthene @ 440 µg/kg.
  - Cadmium was detected at the background threshold value of 1 ug/kg in S-14, so no metals confirmation sampling is needed along the White property boundary adjacent to off-site sample S-14.
  - A soil sample needs to be collected along the White property boundary adjacent to the off-site sample S-15 for mercury, arsenic, and PAHs to confirm if there are soil standard exceedances. S-15: mercury @ 3.7 mg/kg, arsenic @ 24.5 mg/kg, and benzo(b)fluoranthene @ 440 µg/kg.
  - A soil sample S-10, collected near a historic soil pile area in 1994 on White had PCB Aroclor

1260 at 1.7J mg/kg. A confirmation soil sample SGP-3 collected in December 2012 within approximately 20-30 feet of S-10 had no detection of any PCB aroclors. Therefore, the DNR does not require any further sampling in this area for PCBs.

- Concur with consultant recommendation that additional soil delineation is needed for PCBs around soil sample AGP-7 on White.
- In addition, groundwater will need to be assessed in the AGP-7 area on White since PCB concentrations were above the soil to groundwater pathway standard. This proposed groundwater sampling location is also within the most contaminated portion of the volatile organic compound (VOC) plume, so should be analyzed for VOCs as well.
- Two groundwater monitoring wells need to be installed on Lesperance, one near HA-17/SGP-21 area to assess upgradient, and one within the ASTs area.
- Resampling of the groundwater monitoring wells installed in 2015 is needed.
- Metal and PAH exceedances in soil above industrial direct contact standards on Lesperance and White are unable to be delineated, so are assumed to be across the property from property boundary to property boundary. Exception for Lesperance: There is limited soil data on the east half of Lesperance within the direct contact zone in the soil fill. Additional soil samples need to be collected and analyzed for PAHs and metals within the upper four feet to assess if direct contact exceedances are present on the east half of the property. If no exceedances, an argument could be made to exclude the east half of the property from capping requirements.
- There is historic sediment data adjacent to White and Lesperance. Additional sediment investigation is being conducted in the area in the near future. When future sediment data is received by DNR, the DNR will re-evaluate if there is a need for any further sediment investigation. The County can choose to sample prior to or concurrent with the upcoming sediment investigation in the area before further evaluation of future data is completed by the DNR and/or provide justification for these sites.
- A surface water data evaluation was completed by Jim W. Schmidt and he concluded no surface water assessment is needed.
- One round of vapor sampling was completed in sub-slab below buildings on Lesperance. Concentrations detected were well below commercial sub-slab vapor risk screening levels, so additional sampling is not needed.
- The primary contamination are metals and PAHs from historic soil fill with some limited contamination of VOCs and PCBs; therefore, Lesperance and White will continue to only have one BRRTS case for each site.
- The County has the local government unit (LGU) exemption for Lesperance and White and may invoke it at any time.

Appendix B
Field Procedures

AYRES ASSOCIATES
STANDARD OPERATING PROCEDURE

TITLE: Monitoring Well Drilling and Construction Procedures
SOP NUMBER: 110
EFFECTIVE DATE: May 2009

1.0 PURPOSE

The activities covered by this procedure are to insure that ground water monitoring wells are installed according to rigid, uniform guidelines (NR 141 Wisconsin Administrative Code) so that hydrogeologic data and ground water samples obtained from the wells are representative of actual conditions.

2.0 SCOPE

This operation procedure describes methods for the drilling and installation of groundwater monitoring wells in unconsolidated deposits in accordance with the requirements of Wisconsin Administrative NR 141, Groundwater Monitoring Well Requirements. Typical monitoring well installation and construction details for water table wells and piezometers are shown in Figures 110-1 and 110-2, respectively.

3.0 CHANGES FROM LAST REVISION

None applicable. This is an original SOP.

4.0 RESPONSIBILITIES

It is the responsibility of the project manager to ensure that all field staff assigned to the project are familiar with the work plan. It is the responsibility of the field scientist to review the work plan and obtain all necessary field equipment, and for establishing appropriate safety and health practices during the procedure.

5.0 EQUIPMENT NEEDED

Geologic logging forms and reference materials
Soils knife
Tape measure or rule
A water level measuring tape
Sample bags or containers
Field screening instrument and supplies
Health and safety supplies

6.0 OPERATING PROCEDURE

1. All boreholes will be horizontally located by measurements to fixed structures or reference points on the site. Utility clearance will be performed by the drilling contractor. Upon completion of the borings, well installations and other sampling, the horizontal coordinates of each boring will be located on a site grid and well elevations will be surveyed with respect to mean sea level.

2. Hollow stem augers will be used for well drilling and installation. Mud or

water rotary techniques may be employed if conditions require.

3. Potable water supply will be obtained from the local water utility.

4. If hollow-stem augers are used, then no drilling fluid is required. Potable water may be used to flush out the augers as needed to collect representative samples with the split-spoon sampler or Shelby tube.

If casing is installed in the borehole, potable water will be used as the drilling fluid. The water is circulated down the inside of the drill rods to lubricate the bit as it is advanced and to carry the cuttings up the outside of the rods. The casing is advanced by driving slightly behind the bit, in order to maintain the integrity of the borehole.

If conditions require the use of mud rotary techniques, then potable water and bentonite mud will be used. The bentonite will be sodium-rich montmorillonite-type material such as Volclay or Aqua Gel "Gold Seal," both Wyoming bentonites. A low density, high viscosity mud will be utilized to minimize mud loss to the formation, while maintaining the ability to remove cuttings from the borehole. If drilling fluid is being lost to the formation during drilling, the viscosity of the fluid will be increased by adding more bentonite. If the fluid loss persists, then the borehole will be cased with NW or HW flush joint casing through the zone of fluid loss. The actual mixture of bentonite and water will be determined in the field based on the performance of the mud in each individual borehole.

5. Cuttings will be screened for VOCs with a Photoionization Detector (PID) or a Flame Ionization Detector (FID); these results will be recorded and the cuttings will be placed in 55-gallon drums or other suitable containers and stored at the site for reclamation or disposal. If space and project layout permits cuttings will be thin-spread on-site with approval from the regulatory agency.

6. Samplings will be collected at the intervals provided in the site-specific work plan. Sampling will be performed using a standard split-spoon sampler (SOP 120). Samples for grain size analysis will be selected based on visual observations so as to be representative of the various stratigraphic units. Samples, best covering the spectrum of soils encountered, will be sent to a geotechnical laboratory for grain size analysis (ASTM Method D-421, D-422, and D-4318) and soil classification. The remaining samples will be archived on-site or returned to the office for further evaluation.
The soils will be classified using the Unified Soil Classification System (ASTM Method D-2487-87). A description of the soil and other pertinent information regarding drilling and sampling methods, and geohydrologic data will be recorded on a boring log.

7. For two-inch inside diameter monitoring wells, a minimum borehole diameter will be eight inches, using a 4¼-inch I.D. hollow stem auger

8. The depth to the water level in each boring will be measured just prior to construction of the well in the boring. In addition, the depth of the boring will be measured with a weighted tape to determine final depth.

9. The rotary system of the rig, including downhole equipment (drill rods, casing, samplers, bits, and hand tools), the mud tub, and the tremie pipes will be steam cleaned at a decontamination area before initiating drilling, and inspected to ensure the rig is free of leaking oil and grease. This procedure will be repeated between each borehole, and at the conclusion of the drilling program. All downhole tools will be kept from coming in contact with the ground by being placed on polyethylene sheeting. Prior to being used, the drilling fluid circulation system of the rig will be flushed by circulating potable water through the system. This will be repeated between each well.

10. Abandoned borings, if any, will be backfilled to the surface by pressure grouting using a tremie pipe lowered to the bottom to the boring. A cement-bentonite grout mixture, as specified below, will be used for the backfill material. If conditions warrant, backfilling of the boring to the surface will be completed by gravity pouring chipped bentonite to the bottom and filling to the surface.

11. Lubrication of drilling equipment (rods, sampling tools, casing) may be performed using a minimal amount of vegetable oil only. No synthetic or petroleum based lubricants will be allowed.

12. A 10-foot long screen will be placed to intercept the water table. Approximately three feet will extend above the water table and seven feet will extend below the water table. The top of the screen will be a minimum of five feet below the ground surface, unless the groundwater table is within five feet of the ground surface. In such cases, the top of the screen will be approximately two feet below the ground surface. An appropriate length of riser pipe (casing) will be attached to the screen and will extend about two feet above ground.

The well will be completed as described below, under “General Specifications and Procedures” and as shown on Figure 110-1.

13. Wells screened below the water table, also known as piezometers, will be installed with a five-foot screen. The well will be completed as described below, under “General Specifications and Procedures” and as shown on Figure 110-2.

8.0 General Specifications and Procedures

1. Minimum two-inch I.D. Schedule 40 or Schedule 80 threaded flush joint, PVC casing and PVC screen will be used. No glue or screws will be used in assembling the well screen and riser casing. Specific information regarding well construction materials and procedure will be obtained from the site-specific work plan.

2. The filter pack will be a well sorted, silica based sand or gravel. The sand or gravel used for filter packs will be hard and durable and will have an average specific gravity of not less than 2.50. The sand and gravel will be visibly free of clay, dust and micaceous and organic matter. Not more than 5% of the sand or gravel will be soluble in a 10% hydrochloric acid solution. Thin, flat or elongated pieces of the gravel, the maximum dimension of which exceeds 3 times the minimum dimension, may not constitute more than 2% of the material by weight. The filter pack for wells installed in unconsolidated material will be sized to retain at least 50% of the surrounding formation based on a sieve analysis. In formations which are predominantly silt and clay, the filter pack will be a fine sand. In bedrock, the filter pack shall be a medium or coarse sand or gravel. Crushed limestone, dolomite or any material containing clay or any other material that will adversely impact on the performance of the monitoring well may not be used as filter pack.

3. The screen slot size will be selected to retain 90% of the filter pack.

4. The casing and screen should not be stored directly on the ground. The well casing and screens shall be assembled on racks or on clean polyethylene spread out over level ground.

5. Casing and screen shall be steam cleaned according to the decontamination procedure presented in SOP 510 before installation in the borehole.

6. A bottom cap shall be installed below the well screen on all well installations.

7. The sand pack will be placed to extend from six inches beneath the bottom of the well to a minimum of two feet above the top of the well screen. This will be confirmed by measuring down the borehole annular space with weighted tape or with a measured small diameter pipe or rod. The sand pack will be poured directly down the annular space. If the top of the well screen is less than 10 feet below ground surface, the sand pack may extend less than two feet above the top of the screen, but will extend a minimum of six inches above the screen.

8. A minimum of two feet of fine sand will be placed above the top of the filter pack and below the bentonite seal, to prevent the movement of bentonite into the filter pack and well. If the top of the well screen is less than 10 feet below the ground surface, the thickness of the fine sand layer may be reduced to not less than one foot.

All permanent groundwater monitoring wells installed with filter packs shall be constructed with a filter pack seal. For all water table observation wells and piezometers, the filter pack seal shall extend two feet upward form the top of the

filter pack and shall consist of two feet of clean, fine sand. When high solids grout, granular bentonite slurry, bentonite-cement grout or neat cement grout is used as the annular space seal and, five feet of bentonite shall be placed on top of the clean fine sand seal. Bentonite chips no greater than 3/8-inch in diameter or bentonite pellets shall be used for seals placed below the water table. Bentonite granules may be used for seals when there is no standing water above the filter pack and the borehole is less than 25 feet or in areas where the depth to water tables is less than seven feet. For water tables less than 16 feet, the filter pack seal shall be reduced to two feet of bentonite to allow for the required amount of annular space sealant to be placed. For water table observation wells constructed in areas where the depth to water table is less than seven feet, the required filter pack seal may be reduced to allow for the required amount of annular space sealant to be placed.

A tape measure, measuring rod or similar device shall be used to ensure that the filter pack seal is installed over the proper depth interval. The tape measure, measuring rod or similar device shall be used to ensure that the filter pack seal is installed over the proper depth interval. The tape measure, measuring rod or similar device shall be carefully raised and lowered while the filter pack seal material is being placed to identify bridging. If bridging occurs the filter pack seal material shall be tamped into place, surrounding the well casing, using a measuring rod or similar device. When a tremie pipe is used to place the filter pack seal the procedures of s. NR 141.10(2) shall be followed. Bentonite pellets, bentonite chips or bentonite granules shall be hydrated in 2-foot lifts as placed in the borehole when placed above the water table.

9. All permanent groundwater monitoring wells will be installed with an annular space seal designed to achieve a permeability of 1×10^{-7} centimeters per second or less. For permanent groundwater monitoring wells constructed with filter packs, the annular space seal shall extend form the filter pack seal to the ground surface seal and shall be at least two feet in length. For water table observation wells constructed in areas where the depth to water table is less than seven feet, the annular space seal will be bentonite granules. For monitoring wells constructed into bedrock formations and without well screens, the annular space seal will extend from the bottom of the outer borehole to the ground surface seal and shall be at least two feet in length. Sealant materials may not contain additives. These requirements will be met by:

1) Bentonite granules slurry many be used as an annular space sealant in any type of monitoring well except where the depth to the water table is less than seven feet.
2) Bentonite sand slurry may be used as an annular space sealant in any type of monitoring well except where the depth to the water table is less than seven feet.
3) Bentonite pellets, bentonite chips or bentonite granules may be used to seal the annular space under the following conditions:

a) Bentonite granules may be used when there is no standing water in

the well above the filter pack and the total well depth is less than 25 feet or the depth to water table is less than seven feet.

b) Bentonite chips with diameter no larger than 3/8 inch or bentonite pellets may be used when the depth of standing water in the well is less than 30 feet and the total depth of the annular space seal is less than 50 feet except where the depth to the water table is less than seven feet.

4) High-solids grout approved by the department, bentonite-cement grout or neat-cement grout may be used to seal the annular space in which a bentonite filter pack seal has been placed except where the depth to the water table is less than seven feet.

When bentonite chips with diameter no larger than 3/8 inch, bentonite pellets or granules are used to seal the annular space, thy may either be poured freely down the borehole or added through a tremie pipe, provided the specifications of the filter pack seal are met. When a tremie pipe is used to place the annular space sealant, the procedures of s. NR 141.10(2) (a) and (b) shall be followed.

When grouts or slurries are used to seal the annular space, the material may be poured freely down a tremie pipe or pumped down a borehole with the use of a tremie pipe, provided the specifications of the filter pack seal are met. For wells 100 feet in depth or greater, the sealant material shall be pumped down the borehole with the use of a tremie pipe. When a tremie pipe is used to place the annular space sealant, the procedures of s. NR 141.10(2) shall be followed.

When any slurry or grout is used, there shall be a 12-hour period between the time the annular space seal is installed and the time the protective cover pipe is installed. Any settling in the annular space seal will be topped off before the protective cover pipe is installed. The top of the well casing will be covered with a protective cap.

10. A ground surface seal will be constructed above the annular space seal and will extend to a minimum of 60 inches below the land surface. The ground surface seal will consist of bentonite or concrete. If bentonite is used, the top of the surface seal will terminate two-inches below the land surface and native soil or topsoil will be placed above the bentonite to prevent drying out. The ground surface seal will be placed around the protective cover, and will not be placed between the protective cover and the well casing. The top of a concrete surface seal, or the soil above a bentonite seal, will be sloped away from the well casing.

11. A seven-foot long section of four-inch I.D. steel casing will be placed over the two-inch or four-inch well casing. The casing will be set approximately five feet into the bentonite-cement grout in the annular space, and should stick up above the ground at least two feet. If necessary, the finished well will be surrounded by protective posts. The protective casing will have a lock.

12. In some areas, such as parking lots or roadways, wells may have to be installed flush with the ground surface so that they will not present an obstacle to other activities. In such cases, a flush-mounted protective cap will cover the completed well. A lockable water-proof seal will be affixed to each well to prevent rain or other surface water from entering the well. Flush-mounted wells will not be vented. If flush mounted wells become necessary, they will be constructed according to the details in NR 141.13(3)(b).

9.0 Well Construction Documentation

A detailed diagram of the as-built well construction specifications will be maintained during installation and development, on WDNR forms 4400-113A and 4400–113B, respectively.

10.0 Well Labeling

The complete identification number and elevation of each monitoring well should be painted on or affixed to the protective casing or manhole cover. All permanent monitoring wells installed after February 1, 1990 will be labeled with WDNR supplied labels.

11.0 Surveying

The elevation of the top of the PVC well casing of each well will be determined by a surveyor to 0.01 foot, and the reference point permanently marked on the casing. The ground surface at each well location will be surveyed to the 0.1 foot. Elevations will be referenced to mean sea level datum. Well locations will be measured by surveying, by measuring tape, or by pace and compass, as specified in the project specific work plan.

AYRES ASSOCIATES
STANDARD OPERATING PROCEDURE

TITLE: Well Development
SOP NUMBER: 140
EFFECTIVE DATE: May 2003

1.0 PURPOSE

Wells are developed to ensure that complete hydraulic communication is established between the well screen and the aquifer. Proper well development will reduce compaction of grains caused by drilling; remove the fine-grained sediments from the filter pack; and remove any fluids that were introduced during drilling.

2.0 SCOPE

This operating procedure describes the process of well development. Methods described include the use of pumps and bailers. On a project-specific basis, procedures specified in the project work plan or state regulations may override some of the procedures described in this SOP.

3.0 CHANGES FROM LAST REVISION

None applicable. This is an original SOP

4.0 RESPONSIBILITIES

Project manager is responsible for supplying field personnel with appropriate boring logs and well construction information. Project manager should advise field personnel of site conditions and anticipated aquifer characteristics. Ayres field personnel are responsible for reviewing project work plan and acquiring and checking all necessary field equipment.

5.0 DEFINITIONS

Hydraulic Conductivity: A characteristic property of aquifer materials which describes the permeability of material to water.

Hydraulic Communication: A properly installed and developed monitoring well should have a complete hydraulic communication with the aquifer. The well screen and filter material should not provide any restriction to the flow of water from the aquifer to the well.

Screened Interval: That portion of a monitoring well that is open to the aquifer.

Static Water Level: The water level in a well that represents an equilibrium condition when the aquifer is not being stressed (no nearby withdrawal or injection of water). Since the groundwater conditions are generally dynamic, static is a condition that holds true only for short periods of time (anywhere from minutes to years depending on cultural and climatic influences).

Well Surging: That process of moving water in and out of a well screen to remove fine sand, silt, and clay size particles from the adjacent formation.

Well Purging: The process of removing water from a well to allow in-situ formation water to enter the well. Well purging may be accomplished using a pump or bailer.

6.0 EQUIPMENT

The equipment needed for well development includes the following:

- Water level measuring device;
- Pump or bailer to purge the well;
- Line to raise and lower bailer or pump, made of Teflon®, polypropylene;
- Tarp or plastic sheet to cover ground and to lay equipment on;
- Field log and/or well development data sheet; and
- Calculator.

Supporting Materials

The following list describes the types of equipment which may be used to develop monitoring wells. Exact equipment needs will be well-specific and will depend upon the diameter of the well, the depth to the static water level, and other factors.

Surge Block: A surge block consists of a rubber and metal plunger attached to rod or pipe of sufficient length to reach the bottom of the well. Well drillers usually can provide surge blocks for large diameter wells (greater than six inches). Surge blocks for smaller diameter wells can be constructed easily of materials readily accessible in any hardware store. To reduce cross-contamination of monitoring wells, a new plunger generally is used in each well to be developed. If a surge block is not available, a bailer will be used for well surging.

Pump: A pump is necessary to remove large quantities of silt-laden groundwater from a well after using the surge block. In some situations, the pump alone is used to both surge the well and remove the fines. Since the purpose of well development is to remove suspended solids from a well, the pump must be capable of moving some solids without damage. The preferred pump is centrifugal because of its ability to pump solids, but a centrifugal pump will work only where the depth to static groundwater is less than approximately 25 feet. In deep groundwater situations, a positive-displacement pump such as a submersible or bladder pump will be necessary.

Decontamination Equipment: Standard equipment will be used to decontaminate all equipment used to develop monitoring wells.

7.0 PRELIMINARY TO OPERATION

1. Review Project Work Plan for Site-Specific Sampling Requirements and Procedures.

2. The bailer, reel, line (if used), pump (if used), water level measuring tape, thermometer, and pH and conductivity meters, should be cleaned, checked for defects, and any possible need for repair.

8.0 OPERATING PROCEDURES

Note: Wells should be developed no sooner than 12 hours following the completion of installation. A copy of the original Monitoring Well Construction Detail form for the well to be developed must be obtained from the project manager. This form provides critical information regarding the construction of the monitoring well, and must be in the possession of the well development crew so that pertinent well construction details, such as total depth, are known.

1. Place tarp around well by cutting a slit in the tarp and lowering it around the protective casing.

2. Record the well number, time and date, and all pertinent information in the field logbook or on the monitoring well development data sheet.

3. Identify a measuring point, and mark this on the well casing with waterproof ink. Measure the depth to groundwater in the well and to the bottom of the well to the nearest 0.01 foot with a weighted tape. Enter these data on the monitoring well development record.

4. Calculate the volume of water in the well (including the filter pack) using the equation:

$$\text{Volume (gallons)} = \pi \bullet H \bullet (D/24)^2 \bullet 7.48 \text{ gal/ft}^3$$

Where:
- H_1 = Depth of Well minus Depth to Water (feet);
- D_1 = Inside diameter of well (inches);
- H_2 = Length of saturated filter pack;
- n = Porosity of filter pack (assume 25%, unless otherwise specified in site-specific work plan);
- D_2 = Diameter of borehole (inches); and
- D_3 = Outside diameter of well screen (inches).

5. Water is caused to move in and out through the monitoring well screen to move silt and clay particles out of the filter pack around the well screen and into suspension within the well. Water movement is effected using a surge block or a bailer. In some situations, pumping water may effect satisfactory development, but pumping alone is not generally recommended. Surging should not be used to develop wells which can be purged dry. Monitoring wells may be surged with a

bailer (OD >1.5") or surge block. In either case, the well should be surged for approximately 5 minutes, then purged with a bailer or pump to remove the sediment. Repeat for about 30 minutes, then remove 10 volumes.

6. Purging: Purging of the well should alternate with surging, following the procedure described below:

   Lower the bailer in the well to just below the water level and retrieve when filled. For slowly recharging wells, or wells that contain sediment, the bailer is lowered to the bottom of the monitoring well and withdrawn slowly through the entire water column. Empty bailer into the measuring pail.

7. Purging shall continue until a minimum of ten well volumes, as calculated in Point 4, have been removed, or until the water is clear.

9.0 PURGE WATER AND SEDIMENT DISPOSAL

The site-specific work plan should specify the means for disposing of purged sediment-laden water. In most cases, disposal of this material will follow the methods used in the original installation of the borehole. If soil and/or groundwater contamination conditions in a well have changed, it may be necessary to specify new disposal methods for wells that are being re-developed.

10.0 RECORDS

Data collected during field activities will be recorded in field logs or daily report forms. Entries will include information regarding field activities including the following:

- Date
- Project title
- Purpose and description of field activities
- Name and signature of field personnel
- Equipment
- Unique well and test number
- Reference point and elevation
- Depth to water from reference point
- Calculated volume of water to remove
- Actual volume of water removed
- Observations of water during purging (Color, odor, etc.)
- Time spent developing well
- Observations of water drawdown and recovery during development
- Unusual observations or circumstances which could affect test results or interpretation
- Results of any field measurements

Upon completion of field activities, copies of forms and field activity logs will be submitted to the project manager. Original forms will be filed in the project file.

11.0 CORRECTIVE ACTION

Significant problems or deviations from the SOP or work plan will be reported to the project manager as soon as possible. Deviation in procedures or actions required to correct a problem will be documented.

12.0 REFERENCES

AYRES ASSOCIATES
STANDARD OPERATING PROCEDURE

TITLE: Total VOC Soil Vapor Field Analysis
SOP NUMBER: 210
EFFECTIVE DATE: May 2003

1.0 PURPOSE

The purpose of this standard operating procedure is to ensure quality control and consistency in field-screening soil samples for the presence of volatile organic hydrocarbons using an organic vapor meter (OVM).

2.0 SCOPE

This procedure describes the steps for proper sample preparation and field screening of soil samples for the presence of volatile organic hydrocarbons using an organic vapor meter (OVM). This procedure couples a rapid field method for estimating total VOC concentrations in soil with sampling procedures that limit substrate disaggregation and exposure, to achieve representative estimates of vadose zone contamination. Note: The OVM calibration procedures detailed in this SOP are unique to the Thermal Environmental Instruments Model 580B OVM. Calibration procedures detailed in this SOP should not be referred to when using other VOC analyzers.

3.0 CHANGES FROM LAST REVISION

Revision #1- 1/15/04. Note was added in Section 7 – Operating Procedure regarding the type of organic vapor meter to use during this procedure. Calibration instructions for TEI Model 580B OVM inserted.

4.0 RESPONSIBILITIES

It is the responsibility of the field personnel to follow these procedures as closely as possible. Deviation from the procedures, or inconsistency in the repetitive use of the procedures may yield field data of low integrity. Field screening data may be used in defining the degree and extent of soil contamination, and is therefore subject to scrutiny by regulatory officials and clients. It is extremely important that field personnel follow the procedures consistently to achieve representative estimates of VOC concentrations in soil.

5.0 EQUIPMENT NEEDED

- Field portable total VOC analyzer (Photovac Model 2020 PID, or equivalent)
- Calibration gas cylinders and equipment
- Clear glass 40-mL VOA vials with hole-punched septums
- Aluminum foil liners (3” x 3 “ squares)
- 10-mL plastic syringes (tips and rubber plunger cap removed)
- Field screening logs

6.0 SAFETY

Safety concerns related to work at the site will be addressed in the site specific Health and Safety Plan.

7.0 OPERATING PROCEDURE

Preliminary to Operation

Note: The organic vapor meter (OVM) used for this procedure should be equipped with an internal pump for drawing organic vapors through the instrument. Meters equipped with a fan will not draw the sample through the instrument due to the vacuum created in the vials during the procedure.

- Review project work plan for site-specific sampling requirements and procedures. Review OVM users manual to ensure thorough understanding and proper use.
- Field instrumentation should be cleaned and checked for defects and any possible need for repair.
- Battery charging, calibration, and maintenance should be conducted in a controlled environment.
- Plastic sheeting should be placed on the working surface to maintain clean environment for equipment to be placed upon.
- The portable OVM should be calibrated daily or more often if required and as outlined below:

CALIBRATION

Calibration should be performed each day prior to instrument use.

1. Power-up instrument using power plug.

2. Depress ON / OFF key to ignite lamp and initiate sample pump.

3. Depress MODE / STORE Key.

4. Depress - / CRSR Key in response to LOG THIS VALUE? Prompt.

5. Depress - / CRSR Key to select Parameters Mode from the Main Menu.

6. Depress +/INC Key to advance thru the Run Mode selection parameter prompt.

7. Depress +/INC Key to advance thru the Auto Logging Mode selection parameter prompt.

8. Depress +/INC Key to advance thru the Average Time selection parameter prompt.

9. Depress +/INC Key to advance thru the Alarm Setting parameter prompt.

10. Depress +/INC Key to advance thru Lamp Selection parameter prompt.

11. Depress +/INC Key to advance thru Response Factor Setting parameter prompt.

12. Depress RESET Key to initiate calibration sequence.

13. Depress - / CRSR Key to decline restoration of the backup calibration.

14. Connect outlet of calibration tubing assembly to the Model 580B Detector Inlet.

15. Introduce Zero Air to Model 580B by opening flow regulator.

16. Depress RESET Key to “Zero” Model 580B.

17. Close Flow Regulator.

Note: Span Calibration procedure below assumes span gas has a concentration of 250 ppm isobutylene.

18. Simultaneously Depress RESET and - / CRSR Keys to activate the movable cursor.

19. Repeat step 18 until the cursor is at the ones place.

20. Simultaneously Depress RESET and +/INC Keys to increment the ones place value.

21. Repeat step 20 until the ones place value reads 0.

22. Repeat step 18 to move cursor to the tens place.

23. Repeat step 20 until the tens place value reads 5.

24. Repeat step 18 to move the cursor to the hundreds place.

25. Repeat step 20 until the hundreds place value reads 2.

26. Repeat step 18 to move the cursor to the thousands place.

27. Repeat step 20 until the thousands place value reads 0.

28. The LCD should now read: SPAN PPM = 0250 "+" TO CONTINUE

29. Depress =/INC to accept the span conc. value.

30. Connect isobutylene cylinder (250 ppm) to calibration tubing assembly.

31. Connect outlet of calibration tubing assembly to the Model 580B Detector Inlet.

32. Introduce isobutylene standard to Model 580B by opening flow regulator.

33. Reset key to "CALIBRATE" Model 580B.

34. Close Flow Regulator.

35. Depress +/INC. Key in response to "RESET" TO CALIBRATE message.

36. Depress MODE/STORE to return to the Run Mode.

The instrument has been calibrated and is ready to make measurements.

Operating Procedure

1. Open the split-spoon or disposable sample sleeve to obtain access to sample (note: sample may be obtained by other means other than slit-spoon sampling)

2. Expose a fresh soil surface using a sampling knife.

3. Immediately after exposing the sampling surface, obtain 25 grams of soil using a 10-mL plastic syringe. Obtain the soil in 5 to 10-gram plugs for ease of removing the soil from the syringe (depending on soil type), and place soil in VOA vials. Samples should be obtained from areas where visual (i.e., staining) or olfactory observations indicate contamination. In the absence of obvious indicators of contamination, obtain five separate 5-gram plugs of

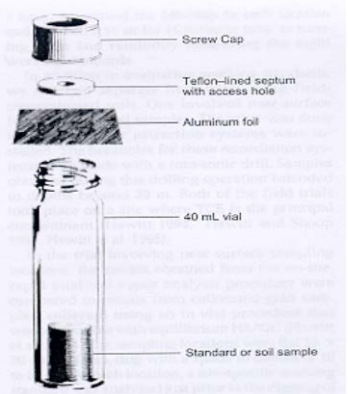

Figure 1. Modified VOA vials for rapid total VOC soil vapor analysis.

soil throughout the sample length. The sample lithology and experience of the sampler will also dictate where the sample will be collected.

4. Immediately cap the VOA vile using aluminum foil liner and hole-punched Teflon septum as shown in the Figure 1.

5. Disperse the soil by hand shaking for ten to fifteen seconds.

6. Total VOC vapor concentration in the headspace is then immediately analyzed by carefully puncturing the aluminum foil liner above the soil. Record the maximum response obtained within seconds of piercing the foil liner.

Note: DO NOT push the PID probe into the soil, it will clog the PID's pump and possibly give false readings on screening of subsequent samples. If you accidentally get soil into the probe, depress the PID's ON/OFF key, remove the probe from the detector inlet, thoroughly clean the probe with an Alconox™/water solution, and rinse the probe several times with distilled water. After the probe has dried, connect it to the detector inlet and depress the ON/OFF key to restart the PID.

Note: DO NOT heat the sample in direct sunlight. DO NOT heat the sample by placing it directly in front of a vehicle's heater duct. In winter, it may be necessary to warm the sample before screening. The sample should be left in a warm area of your vehicle for approximately five minutes to equilibrate. The key element to collecting good data from screening samples is letting all samples equilibrate for approximately the same time. Be consistent.

7. A co-located sample should be collected immediately from a fresh surface if the VOC screening response is greater than the analytical criteria established in the site-specific work plan (e.g., five instrument units). The soil samples should be collected and preserved using the procedures outlined for methanol preservation of soil samples (VOC analysis) SOP 220.

8. The remainder of the soil sample in the split-spoon should be thoroughly logged in the field by the field hydrogeologist. The soil should be contained in a sealable plastic bag for subsequent observation and description in the office.

8.0 RECORDS

Data collected during field activities will be recorded in field logs or daily report forms. Entries will include the following details:

- Date
- Project title
- Purpose and description of field activities
- Field personnel
- Equipment
- Unique field sample number
- Sample date and time

- Specific sample location description
- Field screening readings
- Name and signature of field personnel

Upon completion of field activities, copies of forms and field activity logs will be submitted to the project manager. Original forms will be filed in the project file.

9.0 CORRECTIVE ACTION

Significant problems or deviations from the SOP or work plan will be reported to the project manager as soon as possible. Deviation in procedures or actions that are required to correct a problem will be documented.

10.0 REFERENCES

US Army Corps of Engineers, "Estimating the Total Concentration of Volatile Organic Compounds In Soil", Special Report 97-12 (April 1997)

Thermal Environmental Instruments Model 580B OVM Instruction Manual

AYRES ASSOCIATES
STANDARD OPERATING PROCEDURE

TITLE: Field Filtering Ground Water Samples for Metals/Inorganic Analysis
SOP NUMBER: 340
EFFECTIVE DATE: May 2009

1.0 PURPOSE

When submitting ground water samples for metals analysis, the analysis can be for total metals or dissolved metals. Samples submitted for total metals do not need to be filtered. Samples submitted for dissolved metals require filtering. The laboratory can filter the ground water sample if it is submitted with no preservation within 24 hours of sample collection. The activities covered by this procedure insure quality control in the filtering of ground water samples for analysis of dissolved metals or other inorganic analyses.

2.0 SCOPE

This operating procedure describes the methods of filtering suspended particulates from ground water samples for inorganic (metal) analyses.

3.0 CHANGES FROM LAST REVISION

None applicable. This is an original SOP.

4.0 RESPONSIBILITIES

It is the responsibility of the project manager to ensure that all field staff assigned to the project are using appropriate filtering practices for all samples. It is the responsibility of the field scientist to be familiar with the sampling material being collected, analysis (chemical and physical) to be conducted on each sample, and for establishing appropriate safety and health practices on the procedure.

5.0 EQUIPMENT NEEDED

- Silicon tubing.
- Portable peristaltic pump and battery or other suitable pump or hand operated vacuum pump.
- Disposable 0.45 micron in-line filters (EnviroTech ET-GP-50) or disposable filter kit (Nalgene 250 ml 50 mm filter unit)
- Power converter (converts 12V DC power to 110 AC power)
- Extension Cord
- Sample Containers and Preservatives
- Sample transfer container
- Field log.

6.0 OPERATING PROCEDURE

Preliminary to Operation

1. Inspect the components of the peristaltic pump or vacuum pump for cleanliness and defects. Ensure pump is operating effectively.
2. Obtain ground water sample. If sample is obtained with a bailer, ensure transfer container is unpreserved.

Peristaltic Pump and Disposable Filters

1. Attach peristaltic pump to battery or plug cord in to power converter.
2. Install a section of new silicon tubing into peristaltic pump head.
3. Attach one end of silicon tubing to the barbed fitting on the inlet side of tubing.
4. Attach barbed end of in-line disposable filter to discharge end of tubing. Note flow direction on filter.
5. Turn on pump to low-flow setting. Watch filter to insure proper seal.
6. Allow approximately 500 ml of sample to run through the filter to remove potential trace metals and colloidal material from cellulose filter prior to filling sample containers.
7. Pump sample from transfer bottle through filter into a pre-preserved sample container provided by the analytical laboratory. (see Sampling and Analysis Plan). Samples can be pumped directly through filter from well if using a down-well pump.
8. Add preservatives to sample if not using pre-preserved sample bottles. Gently mix sample to ensure preservative is properly mixed with sample. (Note: In some cases, ground water may be unusually basic or acidic. It may be necessary to check the pH of samples to ensure samples are adequately preserved.)
9. Seal and label the sample bottle(s) and record in the field log.
10. Disassemble and discard the filter and other disposable materials. Decontaminate equipment as necessary. New silicon tubing and filters are used for each sample.

7.0 RECORDS

Data collected during field activities will be recorded in field logs or daily report forms. Entries will include information regarding field activities including the following:

- Date
- Project title
- Purpose and description of field activities
- Name and signature of field personnel
- Equipment
- Unique well and test number
- Unusual observations or circumstances which could affect test results or interpretation
- Results of field measurements

Upon completion of field activities, copies of forms and field activity logs will be submitted to the project manager. Original forms will be filed in the project file.

8.0 CORRECTIVE ACTION

Significant problems or deviations from the SOP or work plan will be reported to the project manager as soon as possible. Deviation in procedures or actions required to correct a problem will be documented.

9.0 REFERENCES

AYRES ASSOCIATES
STANDARD OPERATING PROCEDURE

TITLE: Chain-of-Custody Form Procedures
SOP NUMBER: 610
EFFECTIVE DATE: May 2009

1.0 PURPOSE

Completion of a chain-of-custody is the procedure used to document who is responsible for samples from the time they are collected to the time they are analyzed at the laboratory. Ayres Associates initiates and maintains a sample chain-of-custody on all samples collected for laboratory analysis. Employees will initiate a chain-of-custody form at the time all sample container(s) are prepared for each Ayres Associates project, thereby providing a detailed sample container(s) tracking procedure from the time of container preparation to sampling to analysis completion.

2.0 SCOPE

This procedure applies to all individuals receiving custody of and responsibility for sample container pick-up, project site delivery, kit usage, laboratory delivery, and laboratory analyses. Under situations where our contract laboratory will supply a chain-of-custody form at the time of sample container preparation, Ayres Associates shall substitute our chain-of-custody for the laboratory's chain-of-custody forms (a sample of Ayres Associates chain-of-custody tracking form is Appendix E).

3.0 CHANGES FROM LAST REVISION

None applicable. This is an original SOP.

4.0 RESPONSIBILITIES

It is the responsibility of the Ayres Associates field investigator collecting the samples to maintain legal chain-of-custody procedure once the sample containers are delivered from the contract laboratory. All contract laboratories provide sample container labels that request listing the project location, date, sampling personnel, analyses requested, and sample collection time. Labels are supplied with sample bottles by our laboratory.

5.0 EQUIPMENT NEEDED

Only requirements are Ayres Associates approved triplicate chain-of-custody form, a ball point pen (pencil or Sharpies are not acceptable), cooler or otherwise acceptable shipping container, and a large Ziploc™ bag to protect the COC. Press firmly enough to allow carbon to transfer to all three copies of the COC.

6.0 SAFETY

Should it be known from previous sampling and analysis or should we have reason to suspect that the samples may be hazardous, it will be necessary to

label the shipping container accordingly. All methanol containers should have a WisDOT approved hazardous materials label visibly located on the outside of the shipment container.

7.0 OPERATING PROCEDURE

Chain-of-custody forms will accompany the field kit until custodial responsibility is returned to the laboratory. Until relinquishing custody to the laboratory agent, the environmental technician will maintain direct possession of the sampling kit. If it becomes necessary to store the field kit prior to sampling, the sample container (an insulated, shock resistant cooler) will be sealed and secured in a storage area accessible only to the individual currently responsible for custody. Custodial responsibility shall be limited to a minimum number of individuals.

After sample collection, the sample container will be sealed with a tamper proof seal or tape. Information pertaining to sample collection or identification shall be recorded in waterproof ink on field log data sheets, chain-of-custody forms, and sample vessel labels immediately during and after sample collection. The chain-of-custody information shall include number of samples, date and time of collection, sampling location and environment (address, city, state, sampling point, weather/site conditions), name and signatures of sampling technicians, names of additional personnel present, equipment used, order in which samples were collected, field I.D., analyses requested, preservative, field parameters, notation of QC samples collected, decontamination procedures performed, and the use of fuel powered units.

Samples should be stored in a clean, insulated, shock resistant cooler with ice where they are segregated by sample location. After completion of a sampling project, the container is sealed with tamper-proof tape and delivered to the contract laboratory directly by sampling personnel or by UPS.

Should the sampling team be unable to deliver samples directly to the contract laboratory, the delivery of specimens will be completed using UPS. If a courier is used then the identification of the courier agency will be noted on the chain-of-custody form and field data logs. Moreover, a sealed chain-of-custody form within a waterproof Ziploc™ bag should be securely attached to the transport cooler (if a courier is used) or inside the cooler (if UPS is used); the samples will only be yielded to the courier agency after having acquired documentation of their receipt. Upon delivery of the samples to the contract laboratory, chain-of-custody is resumed by the laboratory after signing a document of acceptance. Chain-of-custody documentation of delivery or a facsimile will be obtained by Ayres Associates and maintained in the project file.

All project laboratories under contract with Ayres Associates should understand and have agreed with the critical need to maintain the chain-of-custody tracking procedure. The completed and signed chain-of-custody tracking form is placed

in the project file and cross filed in the Ayres Associates chronological chain-of-custody reference file and is traceable to the specific sampling event.

Laboratory custody procedures are provided in the contract laboratory Quality Assurance Plan.

8.0 RECORDS

The pink carbon copy of the completed and signed chain-of-custody should be routed directly to the project file.

9.0 CORRECTIVE ACTION

Errors made in documentation are not to be removed or obliterated but are to be stricken with a single line. Corrections made to the COC should then be initialed by the party responsible for the error and correction. Staff identifying improperly completed COCs will report the inconsistency to the QA/QC leader and project manager.

10.0 REFERENCES

Appendix C

Soil Boring Logs

State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment X Other ☐

Page **1** of **1**

Facility/Project Name **1910 20th St (White Property) / Two Rivers Site Investigation**			License/Permit/Monitoring Number		Boring Number **AMW-7**
Boring Drilled By: Name of crew chief (first,last) and Firm First Name: **Daniel** Last Name: **Fisher** Firm: **Horizon Construction and Exploration, LLC**			Date Drilling Started **8/18/2016** M/D/Y	Date Drilling Completed **8/18/2016** M/D/Y	Drilling Method **4 1/2" HSA**
WI Unique Well No. **PM 267**	DNR Well Id No.	Well Name **AMW-7**	Final Static Water Level **580.67 ft. MSL**	Surface Elevation **583.59 ft. MSL**	Borehole Dia. **8 inches**
Local Grid Origin ¨(estimated: ¨) or Boring Location ¨ State Plane N, E **E 1/2 of NW 1/4, of Section 1, T 19N, R 24W**			Lat. **44° 9' 5.31" N** ---------- Long. **87° 34' 35.29" W**	Local Grid Location (If applicable) ¨ N ¨ E Feet ¨ S Feet ¨ W	
Facility Id. **436013160**	County **Manitowoc**		County Code **36**	Civil Town/City/or Village **City of Two Rivers**	

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	SAMPLE Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	SOIL PROPERTIES Compressive Strength	SOIL PROPERTIES Moisture Content	SOIL PROPERTIES Liquid Limit	SOIL PROPERTIES Plasticity Index	SOIL PROPERTIES P 200	RQD/Comments
No Analytical Samples Collected	60/12	NA	-1 to -5	organic SILT (OL); v. dark brown (10 YR 2/2); moist poorly graded fine SAND (SP); strong brown (7.5 YR 5/8); moist	OL SP			0.8 ppm	NA	Moist	NA	NA	NA	NA
	60/54		-6 to -9	PEAT (PT); v. dark brown (10 YR 2/2); moist	PT			1.0 ppm 0.8 ppm						
	60/54		-10 to -15	CLAY (CL); pale brown (10 YR 6/3); wet silty SAND (SM); strong brown (7.5 YR 5/8);	CL SM			0.6 ppm 0.5 ppm		Wet				
			-16 to -25	end of boring at 15 ft bgs bottom of the well is set at 14.0 ft bgs										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature William Honea Firm AYRES ASSOCIATES

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis.Stats. Completion of this report is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conductu involved. Personally indentifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment X Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
2022 School St (Lesperance Property) / Two Rivers Site Investigation		**AMW-8**

Boring Drilled By: Name of crew chief (first,last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: **Daniel** Last Name: **Fisher** Firm: **Horizon Construction and Exploration, LLC**	**8/18/2016** M/D/Y	**8/18/2016** M/D/Y	**4 1/2" HSA**

WI Unique Well No.	DNR Well Id No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Dia.
PM 268		**AMW-8**	**580.67 ft. MSL**	**583.48 ft. MSL**	**inches**

Local Grid Origin ¨ (estimated: ¨) or Boring Location ¨	Lat.	Local Grid Location (If applicable)
State Plane _____N, _____E **E 1/2** of **NW 1/4**, of **Section 1**, **T 19 N, R 24 W**	---------- Long. **87° 34' 37.54" W**	¨ N ¨ E _____ Feet ¨ S _____ Feet ¨ W

Facility Id.	County	County Code	Civil Town/City/or Village
	Manitowoc	**36**	**City of Two Rivers**

SAMPLE Number and Type	SAMPLE Length Act. & Recovered (in)	SAMPLE Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	SOIL PROPERTIES Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
AMW-8 0-4' bgs	60/24	NA	0 -1 -2 -3	silty fine SAND (SM); dark brown (10 YR 3/3); moist collected soil sample from 0 - 4 ft for VOCs and PAHs	SM			3.2 ppm	NA	Moist	NA	NA	NA	NA
			-4 -5	PEAT (PT); v. dark brown (10 YR 2/2); moist	PT									
	60/36		-6	silty GRAVEL (GM) with fine sand; dark brown (10 YR 3/3); wet	GM			0.7 ppm		Wet				
			-7 -8 -9 -10	CLAY (CL); pale brown (10 YR 6/3); wet	CL			0.6 ppm						
			-11					1.1 ppm						
	60/60		-12	poorly graded fine SAND (SP); pale brown (10 YR 6/3); wet	SP									
			-13 -14	silty SAND (SM); pale brown (10 YR 6/3); wet	SM			1.0 ppm						
			-15	SILT (SM); pale brown (10 YR 6/3); wet	ML									
			-16 -17 -18 -19 -20 -21 -22 -23 -24 -25	end of boring at 15 ft bgs bottom of the well is set at 14.2 ft bgs										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature William Honea Firm AYRES ASSOCIATES

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State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment X Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1910 20th Street (White Property) / Two Rivers Site Investigation		**AGP-12**

Boring Drilled By: Name of crew chief (first,last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: **Daniel** Last Name: **Fisher**			
Firm: **Horizon Construction and Exploration, LLC**	**8/18/2016** M/D/Y	**8/18/2016** M/D/Y	**Direct Push (Geoprobe)**

WI Unique Well No.	DNR Well Id No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Dia.
				not surveyed	**2 inches**

Local Grid Origin ¨ (estimated: ¨) or Boring Location ¨	Lat. **44° 9' 5.64" N**	Local Grid Location (If applicable)
State Plane _____N, _____E	----------	¨ N ¨ E
E 1/2 of **NW 1/4**, of **Section 1**, **T 19N**, **R 24E**	Long. **87° 34' 31.81" W**	_____ Feet ¨ S _____ Feet ¨ W

Facility Id.	County	County Code	Civil Town/City/or Village
436013160	**Manitowoc**	**36**	**City of Two Rivers**

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	SOIL PROPERTIES: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
AGP-12 0-4' bgs	48/36	NA	-1 -2 -3 -4	organic SILT (OL); black (10 YR 2/1); moist poorly graded fine SAND (SP); strong brown (7.5 YR 5/8); moist (fill)	OL SP			0.5 ppm	NA	Moist	NA	NA	NA	NA
	36/30		-5 -6 -7	PEAT (PT) with silt; black (10 YR 2/1) PT; gray silt; moist	PT			0.3 ppm						
	36/30		-8 -9 -10	CLAY (CL); pale brown (10 YR 6/3); wet poorly graded fine SAND (SP); strong brown (7.5 YR 5/8); moist	CL SP			0.4 ppm		Wet				
			-11 -12 -13 -14 -15 -16 -17 -18 -19 -20 -21 -22 -23 -24 -25	end of boring at 10 ft bgs										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
William Honea	AYRES ASSOCIATES

State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment X Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1910 20th Street (White Property) / Two Rivers Site Investigation		**AGP-13**

Boring Drilled By: Name of crew chief (first,last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: **Daniel** Last Name: **Fisher**			
Firm: **Horizon Construction and Exploration, LLC**	**8/18/2016** M/D/Y	**8/18/2016** M/D/Y	**Direct Push (Geoprobe)**

WI Unique Well No.	DNR Well Id No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Dia.
				not surveyed	**2 inches**

Local Grid Origin ¨ (estimated: ¨) or Boring Location ¨	Lat. **44° 9' 5.64" N**	Local Grid Location (If applicable)
State Plane _____N, _____E	----------	¨ N ¨ E
E 1/2 of **NW 1/4**, of **Section 1**, **T 19N**, **R 24E**	Long. **87° 34' 31.81" W**	_____ Feet ¨ S _____ Feet ¨ W

Facility Id.	County	County Code	Civil Town/City/or Village
436013160	**Manitowoc**	**36**	**City of Two Rivers**

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	SOIL PROPERTIES: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
AGP-13 0-4' bgs	48/36	NA	-1 -2 -3 -4	organic SILT (OL); black (10 YR 2/1); moist poorly graded fine SAND (SP); strong brown (7.5 YR 5/8); moist (fill)	OL SP			0.3 ppm	NA	Moist	NA	NA	NA	NA
	36/30		-5 -6 -7 -8	PEAT (PT); dk. brown (10 YR 3/3) to black (10 YR 2/1); v. soft; moist	PT			0.3 ppm		Wet				
	36/30		-9 -10	CLAY (CL); pale brown (10 YR 6/3); wet	CL			0.1 ppm						
			-11 -12 -13 -14 -15 -16 -17 -18 -19 -20 -21 -22 -23 -24 -25	end of boring at 10 ft bgs										

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Signature	Firm
William Honea	AYRES ASSOCIATES

State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment X Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1910 20th Street (White Property) / Two Rivers Site Investigation		**AGP-14**

Boring Drilled By: Name of crew chief (first,last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: **Daniel** Last Name: **Fisher** Firm: **Horizon Construction and Exploration, LLC**	**8/18/2016** M/D/Y	**8/18/2016** M/D/Y	**Direct Push (Geoprobe)**

WI Unique Well No.	DNR Well Id No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Dia.
				not surveyed	**2 inches**

Local Grid Origin ¨(estimated: ¨) or Boring Location ¨	Lat. **44° 9' 5.64" N**	Local Grid Location (If applicable)
State Plane N, E **E 1/2** of **NW 1/4**, of **Section 1, T 19N, R 24E**	---------- Long. **87° 34' 31.81" W**	¨ N ¨ E Feet ¨ S Feet ¨ W

Facility Id.	County	County Code	Civil Town/City/or Village
436013160	**Manitowoc**	**36**	**City of Two Rivers**

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	SOIL PROPERTIES: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
		NA	-1	SILT (ML); brown (10 YR 4/3); moist (fill)	ML			1.3 ppm		Moist	NA	NA	NA	NA
AGP-14 2-4' bgs	48/36		-2 -3 -4	gravelly SAND with silt (SM), black (10YR 2/1); moist	SM			19.1 ppm						
	36/30		-5 -6 -7	PEAT (PT); dk. brown (10 YR 3/3); moist wet	PT			1.0 ppm 1.3 ppm		Wet				
	36/30		-8 -9 -10					1.1 ppm						
			-10	CLAY (CL); pale brown (10 YR 6/3); wet	CL									
			-11 -12 -13 -14 -15 -16 -17 -18 -19 -20 -21 -22 -23 -24 -25	end of boring at 10 ft bgs										

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State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment X Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1910 20th Street (White Property) / Two Rivers Site Investigation		**AGP-15**

Boring Drilled By: Name of crew chief (first,last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: **Daniel** Last Name: **Fisher**			
Firm: **Horizon Construction and Exploration, LLC**	**8/18/2016** M/D/Y	**8/18/2016** M/D/Y	**Direct Push (Geoprobe)**

WI Unique Well No.	DNR Well Id No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Dia.
				not surveyed	**2 inches**

Local Grid Origin ¨(estimated: ¨) or Boring Location ¨	Lat. **44° 9' 5.13" N**	Local Grid Location (If applicable)
State Plane N, E	----------	¨ N ¨ E
E 1/2 of **NW 1/4**, of **Section 1, T 19N, R 24E**	Long. **87° 34' 35.30" W**	Feet ¨ S Feet ¨ W

Facility Id.	County	County Code	Civil Town/City/or Village
436013160	**Manitowoc**	**36**	**City of Two Rivers**

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	SOIL PROPERTIES Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
		NA	-1	organic SILT (ML); brown (10 YR 4/3); moist trace gravel	OL			0.7 ppm	NA	Moist	NA	NA	NA	NA
AGP-15 2-4' bgs	48/36		-2 -3 -4	poorly graded SAND (SP); brown (10 YR 4/3); moist (fill)	SP			1.8 ppm						
	36/30		-5 -6 -7	PEAT (PT); black (10 YR 1/1); moist brown; wet wet	PT			1.0 ppm 0.9 ppm		Wet				
	36/12		-8 -9 -10					1.2 ppm						
			-10	CLAY (CL); pale brown (10 YR 6/3); soft; wet	CL									
			-11 -12 -13 -14 -15 -16 -17 -18 -19 -20 -21 -22 -23 -24 -25	end of boring at 10 ft bgs										

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State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment X Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1910 20th Street (White Property) / Two Rivers Site Investigation		**AGP-16**

Boring Drilled By: Name of crew chief (first,last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: **Daniel** Last Name: **Fisher** Firm: **Horizon Construction and Exploration, LLC**	**8/18/2016** M/D/Y	**8/18/2016** M/D/Y	**Direct Push (Geoprobe)**

WI Unique Well No.	DNR Well Id No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Dia.
				not surveyed	**2 inches**

Local Grid Origin ¨(estimated: ¨) or Boring Location ¨	Lat. **44° 9' 5.29" N**	Local Grid Location (If applicable)
State Plane N, E	----------	¨ N ¨ E
E 1/2 of **NW 1/4**, of **Section 1, T 19N, R 24E**	Long. **87° 34' 35.51" W**	Feet ¨ S Feet ¨ W

Facility Id.	County	County Code	Civil Town/City/or Village
436013160	**Manitowoc**	**36**	**City of Two Rivers**

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	SOIL PROPERTIES Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
		NA	-1	SILT with gravel (ML); brown (10 YR 4/3); moist (fill)	ML			0.3 ppm	NA		NA	NA	NA	NA
AGP-16 2-4' bgs	48/36		-2 -3	black				1.1 ppm		Moist				
			-4	poorly graded SAND (SP); with v. thin organic layers; brown (10 YR 4/3); loose; moist	SP									
	36/30		-5 -6 -7 -8	PEAT (PT); brown (10YR 5/3); wet	PT			1.0 ppm						
	36/24		-9					0.9 ppm		Wet				
			-10	CLAY (CL); pale brown (10 YR 6/3); wet	CL			0.9 ppm						
			-11 -12 -13 -14 -15 -16 -17 -18 -19 -20 -21 -22 -23 -24 -25	end of boring at 10 ft bgs										

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State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment X Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
2022 School Street (Lesperance Property) / Two Rivers Site Investigation		**AGP-17**

Boring Drilled By: Name of crew chief (first,last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: **Daniel** Last Name: **Fisher**	**8/18/2016** M/D/Y	**8/18/2016** M/D/Y	**Direct Push (Geoprobe)**
Firm: **Horizon Construction and Exploration, LLC**			

WI Unique Well No.	DNR Well Id No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Dia.
				not surveyed	**2 inches**

Local Grid Origin ¨(estimated: ¨) or Boring Location ¨	Lat. **44° 9' 7.92" N**	Local Grid Location (If applicable)
State Plane N, E	----------	¨ N ¨ E
E 1/2 of **NW 1/4**, of **Section 1, T 19N, R 24E**	Long. **87° 34' 35.53" W**	Feet ¨ S Feet ¨ W

Facility Id.	County	County Code	Civil Town/City/or Village
436013160	**Manitowoc**	**36**	**City of Two Rivers**

SAMPLE									SOIL PROPERTIES					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
AGP-17 0-4' bgs	60/30	NA	-1	sandy SILT (ML); lt brown (7.5 YR 6/4); stiff (fill)	ML			1.0 ppm	NA	Dry	NA	NA	NA	NA
			-2	poorly graded SAND (SP); lt. brown (7.5 YR 6/4); dry (fill)	SP									
			-3	sandy CLAY (CL); brown (10 YR 4/3); moist (fill)	CL			1.0 ppm		Moist				
			-4	silty GRAVEL (GM); white (10 YR 8/1); (fill)	GM									
			-5	PEAT (PT); brown (10YR 4/3); moist	PT			1.0 ppm						
			-6	end of boring at 5 feet										
			-7											
			-8											
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			-25											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

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State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment X Other ☐

Facility/Project Name **2022 School Street (Lesperance Property) / Two Rivers Site Investigation**	License/Permit/Monitoring Number		Boring Number **AGP-18**
Boring Drilled By: Name of crew chief (first,last) and Firm First Name: **Daniel** Last Name: **Fisher** Firm: **Horizon Construction and Exploration, LLC**	Date Drilling Started **8/18/2016** M/D/Y	Date Drilling Completed **8/18/2016** M/D/Y	Drilling Method **Direct Push (Geoprobe)**
WI Unique Well No. / DNR Well Id No. / Well Name	Final Static Water Level	Surface Elevation **not surveyed**	Borehole Dia. **2 inches**
Local Grid Origin ¨(estimated: ¨) or Boring Location ¨ State Plane N, E **E 1/2 of NW 1/4, of Section 1, T 19N, R 24E**	Lat. **44° 9' 8.10" N** ---------- Long. **87° 34' 31.472" W**	Local Grid Location (If applicable) ¨ N ¨ E Feet ¨ S Feet ¨ W	
Facility Id. **436013160**	County **Manitowoc**	County Code **36**	Civil Town/City/or Village **City of Two Rivers**

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	SAMPLE Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	SOIL PROPERTIES Compressive Strength	SOIL PROPERTIES Moisture Content	SOIL PROPERTIES Liquid Limit	SOIL PROPERTIES Plasticity Index	SOIL PROPERTIES P 200	RQD/Comments
AGP-18 0-4' bgs	60/18	NA	-1	organic SILT (OL); lt brown (7.5 YR 6/4); moist	OL			0.0 ppm	NA	Moist	NA	NA	NA	NA
			-2	poorly graded SAND (SP); brown (10 YR 43/3); moist (fill)										
			-3	laminated dk. brown and black organic silt	SP									
			-4					0.1 ppm						
			-5	PEAT (PT); brown (10YR 4/3); moist	PT									
			-6	end of boring at 5 feet										
			-7											
			-8											
			-9											
			-10											
			-11											
			-12											
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State of Wiscosnin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 7-98

Route to:
Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment X Other ☐

Page **1** of **1**

Facility/Project Name **2022 School Street (Lesperance Property) / Two Rivers Site Investigation**	License/Permit/Monitoring Number		Boring Number **AGP-19**
Boring Drilled By: Name of crew chief (first,last) and Firm First Name: **Daniel** Last Name: **Fisher** Firm: **Horizon Construction and Exploration, LLC**	Date Drilling Started **8/18/2016** M/D/Y	Date Drilling Completed **8/18/2016** M/D/Y	Drilling Method **Direct Push (Geoprobe)**
WI Unique Well No. / DNR Well Id No. / Well Name	Final Static Water Level	Surface Elevation **not surveyed**	Borehole Dia. **2 inches**
Local Grid Origin ¨(estimated: ¨) or Boring Location ¨ State Plane N, E **E 1/2 of NW 1/4, of Section 1, T 19N, R 24E**	Lat. **44° 9' 8.48" N** --- Long. **87° 34' 31.42" W**	Local Grid Location (If applicable) ¨ N ¨ E Feet ¨ S Feet ¨ W	
Facility Id. **436013160**	County **Manitowoc**	County Code **36**	Civil Town/City/or Village **City of Two Rivers**

SAMPLE Number and Type	SAMPLE Length Att. & Recovered (in)	SAMPLE Blow Counts	Depth in Feet (Below ground surface)	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT	USCS	Graphic Log	Well Diagram	PID/FID	SOIL PROPERTIES Compressive Strength	SOIL PROPERTIES Moisture Content	SOIL PROPERTIES Liquid Limit	SOIL PROPERTIES Plasticity Index	SOIL PROPERTIES P 200	RQD/Comments
AGP-19 0-4' bgs	60/24	NA	-1	organic SILT (OL); lt brown (7.5 YR 6/4); moist	OL			0.2 ppm	NA	Moist	NA	NA	NA	NA
			-2	SAND with silt (SM); dk. brown (10 YR 3/3); moist; trace gravel	SM									
			-3											
			-4					0 ppm						
			-5	PEAT (PT); brown (10YR 4/3); moist	PT									
			-6	end of boring at 5 feet										
			-7											
			-8											
			-9											
			-10											
			-11											
			-12											
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Appendix D
Monitoring Well Construction and Development Forms

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: White and Lesperance Property	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: AMW-7
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: P M 2 6 7 / DNR Well ID No.: ____
Facility ID: 4 3 6 0 1 3 1 6 0	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 0 8 / 1 8 / 2 0 1 6 (m m d d y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: _____ 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ ☐ E ☐ W	Well Installed By: Name (first, last) and Firm: Daniel Fisher; Horizon Construction & Exploration
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 585.59 ft. MSL

C. Land surface elevation 583.6 ft. MSL

D. Surface seal, bottom 580.6 ft. MSL or 3.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ ____ _____

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

_____

E. Bentonite seal, top 583.6 ft. MSL or 0 ft.

F. Fine sand, top 580.6 ft. MSL or 3.0 ft.

G. Filter pack, top 580.1 ft. MSL or 3.5 ft.

H. Screen joint, top 579.6 ft. MSL or 4.0 ft.

I. Well bottom 569.6 ft. MSL or 14.0 ft.

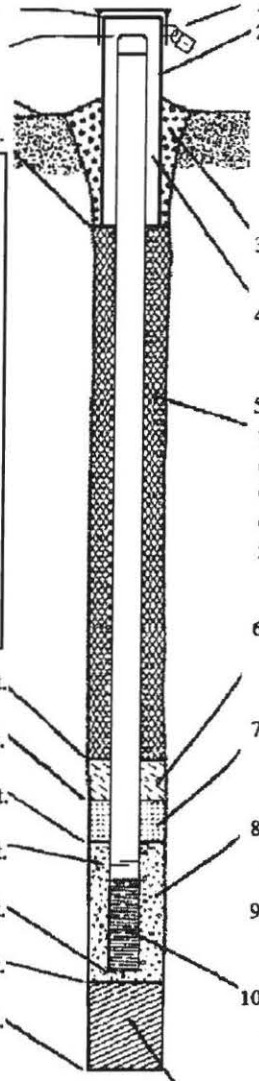
J. Filter pack, bottom 569.1 ft. MSL or 14.5 ft.

K. Borehole, bottom 569.1 ft. MSL or 14.5 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.047 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
   a. Inside diameter: 4.0 in.
   b. Length: 4.0 ft.
   c. Material: Steel ☒ 04 / Other ☐ ____ _____
   d. Additional protection? ☐ Yes ☒ No
   If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐ ____ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ☐ ____ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
   b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
   c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
   d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
   e. _____ Ft^3 volume added for any of the above
   f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
   b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
   c. _____ Other ☐ ____ _____
7. Fine sand material: Manufacturer, product name & mesh size
   a. Unimin, Silica, 100 ____ _____
   b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
   a. Unimin, Silica, 70 ____ _____
   b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ____ _____
10. Screen material: PVC ____ _____
    a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ ____ _____
    b. Manufacturer Johnson
    c. Slot size: 0.006 in.
    d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 / Other ☐ ____ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
William Honea	Ayres Associates

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
White and Lesperance Properties	Manitowoc	AMW-7

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	36	PM267	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☒ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well ___75___ min.

4. Depth of well (from top of well casisng) ___16.0 ft.

5. Inside diameter of well ___2.00___ in.

6. Volume of water in filter pack and well casing ___.___ gal.

7. Volume of water removed from well ___8.0 gal.

8. Volume of water added (if any) ___.___ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. ___4.81 ft.	___4.99 ft.
Date	b. 08/18/2016 (m m d d y y y y)	08/18/2016 (m m d d y y y y)
Time	c. 12:45 ☐ a.m. ☒ p.m.	2:30 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.___ inches	___0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☐ 20 Turbid ☒ 25
	(Describe) light brown, organic odor	(Describe) clear, organic odor

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	___.___ mg/l	___.___ mg/l
15. COD	___.___ mg/l	___.___ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: William Last Name: Honea
Firm: Ayres Associates

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: _____
Street: _____
City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: William Honea
Print Name: William Honea
Firm: Ayres Associates

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: White and Lesperance Property	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: AMW-8
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: PM268 / DNR Well ID No.:
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 08/18/2016 (m m d d y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: _____ 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ ☐ E ☐ W	Well Installed By: Name (first, last) and Firm: Daniel Fisher; Horizon Construction & Exploration
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known / Gov. Lot Number	

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 585.48 ft. MSL

C. Land surface elevation 583.5 ft. MSL

D. Surface seal, bottom 580.5 ft. MSL or 3.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☒ GC ☐ GW ☐ SW ☐ SP ☒
SM ☒ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ ___

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 / Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top 583.5 ft. MSL or 0 ft.

F. Fine sand, top 580.3 ft. MSL or 3.2 ft.

G. Filter pack, top 579.8 ft. MSL or 3.7 ft.

H. Screen joint, top 579.3 ft. MSL or 4.2 ft.

I. Well bottom 569.3 ft. MSL or 14.2 ft.

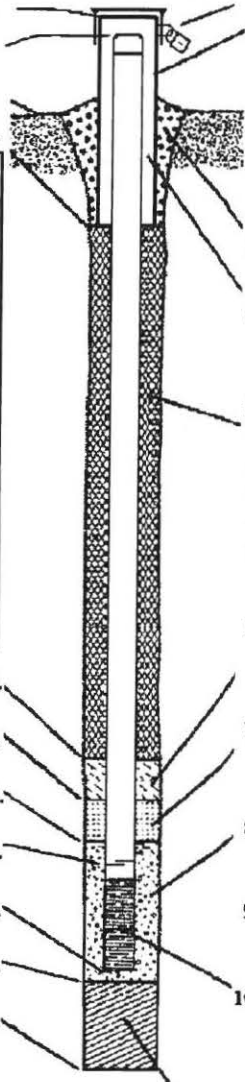
J. Filter pack, bottom 568.5 ft. MSL or 15.0 ft.

K. Borehole, bottom 568.5 ft. MSL or 15.0 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.047 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 4.0 ft.
c. Material: Steel ☒ 04 / Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐ ___

4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ☐ ___

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐ ___

7. Fine sand material: Manufacturer, product name & mesh size
a. Unimin, Silica, 100
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Unimin, Silica, 70
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ___

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ ___
b. Manufacturer Johnson
c. Slot size: 0.006 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☒ 14 / Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: William Honea | Firm: Ayres Associates

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
White and Lesperance Properties	Manitowoc	AMW-8

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	36	PM2688	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☒ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well ___75___ min.

4. Depth of well (from top of well casisng) ___16.0 ft.

5. Inside diameter of well ___2.00___ in.

6. Volume of water in filter pack and well casing ___.___ gal.

7. Volume of water removed from well ___8.0 gal.

8. Volume of water added (if any) ___.___ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. ___4.92 ft.	___7.21 ft.
Date	b. 08/18/2016 (mm/dd/yyyy)	08/18/2016 (mm/dd/yyyy)
Time	c. 10:35 ☒ a.m. ☐ p.m.	12:30 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.___ inches	___0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☐ 20 Turbid ☒ 25
(Describe)	translucent brown, organic odor	clear, organic odor
14. Total suspended solids	___.___ mg/l	___.___ mg/l
15. COD	___.___ mg/l	___.___ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: William Last Name: Honea
Firm: Ayres Associates

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: _____
Street: _____
City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: William Honea
Print Name: William Honea
Firm: Ayres Associates

NOTE: See instructions for more information including a list of county codes and well type codes.

Appendix E

Soil Analytical Results

CT LABORATORIES
delivering more than data from your environmental analyses

CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913
608-356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

AYRES ASSOCIATES
LYNN SCHERBERT
N17 W24222 RIVERWOOD DR
SUITE 310
WAUKESHA, WI 53188-1132

Copy: BILL HONEA

Project Name: TWO RIVERS
Project Phase:
Contract #: 1452
Project #: 19-0558.00
Folder #: 121479
Purchase Order #:

Arrival Temperature: See COC
Report Date: 09/08/2016
Date Received: 08/24/2016
Reprint Date: 09/08/2016

CT LAB Sample#: 760589 Sample Description: TB1 Sampled: 08/18/2016

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.040	mg/kg	0.040	0.13	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.034	mg/kg	0.034	0.12	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.032	mg/kg	0.032	0.10	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.023	mg/kg	0.023	0.074	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,1-Dichloroethane	<0.036	mg/kg	0.036	0.12	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,1-Dichloroethene	<0.037	mg/kg	0.037	0.12	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,1-Dichloropropene	<0.016	mg/kg	0.016	0.053	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.032	mg/kg	0.032	0.10	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.032	mg/kg	0.032	0.10	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.043	mg/kg	0.043	0.16	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.037	mg/kg	0.037	0.12	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.057	mg/kg	0.057	0.19	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,2-Dibromoethane	<0.033	mg/kg	0.033	0.11	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.042	mg/kg	0.042	0.14	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,2-Dichloroethane	<0.033	mg/kg	0.033	0.11	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760589 Sample Description: TB1 Sampled: 08/18/2016

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dichloropropane	<0.017	mg/kg	0.017	0.057	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.032	mg/kg	0.032	0.11	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.039	mg/kg	0.039	0.13	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,3-Dichloropropane	<0.043	mg/kg	0.043	0.14	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.039	mg/kg	0.039	0.13	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
2,2-Dichloropropane	<0.026	mg/kg	0.026	0.087	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
2-Butanone	<0.13	mg/kg	0.13	0.43	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
2-Chlorotoluene	<0.037	mg/kg	0.037	0.12	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
2-Hexanone	<0.16	mg/kg	0.16	0.53	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
4-Chlorotoluene	<0.037	mg/kg	0.037	0.12	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.10	mg/kg	0.10	0.32	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Acetone	<0.40	mg/kg	0.40	1.4	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Benzene	<0.0072	mg/kg	0.0072	0.024	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Bromobenzene	<0.043	mg/kg	0.043	0.16	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Bromochloromethane	<0.014	mg/kg	0.014	0.049	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Bromodichloromethane	<0.023	mg/kg	0.023	0.076	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Bromoform	<0.026	mg/kg	0.026	0.086	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Bromomethane	<0.057	mg/kg	0.057	0.20	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Carbon disulfide	<0.11	mg/kg	0.11	0.37	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Carbon tetrachloride	<0.032	mg/kg	0.032	0.11	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Chlorobenzene	<0.033	mg/kg	0.033	0.11	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Chloroethane	<0.086	mg/kg	0.086	0.30	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Chloroform	<0.030	mg/kg	0.030	0.099	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Chloromethane	<0.072	mg/kg	0.072	0.24	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.039	mg/kg	0.039	0.13	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760589 Sample Description: TB1 Sampled: 08/18/2016

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
cis-1,3-Dichloropropene	<0.027	mg/kg	0.027	0.089	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Dibromochloromethane	<0.026	mg/kg	0.026	0.087	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Dibromomethane	<0.017	mg/kg	0.017	0.056	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Dichlorodifluoromethane	<0.057	mg/kg	0.057	0.20	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Diisopropyl ether	<0.043	mg/kg	0.043	0.14	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Ethylbenzene	<0.030	mg/kg	0.030	0.10	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Hexachlorobutadiene	<0.040	mg/kg	0.040	0.13	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Isopropylbenzene	<0.036	mg/kg	0.036	0.12	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
m & p-Xylene	<0.039	mg/kg	0.039	0.13	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Methyl tert-butyl ether	<0.034	mg/kg	0.034	0.12	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Methylene chloride	<0.043	mg/kg	0.043	0.14	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
n-Butylbenzene	<0.037	mg/kg	0.037	0.12	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
n-Propylbenzene	<0.037	mg/kg	0.037	0.12	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Naphthalene	<0.042	mg/kg	0.042	0.14	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
o-Xylene	<0.034	mg/kg	0.034	0.11	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
p-Isopropyltoluene	<0.032	mg/kg	0.032	0.10	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
sec-Butylbenzene	<0.040	mg/kg	0.040	0.13	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Styrene	<0.042	mg/kg	0.042	0.14	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
tert-Butylbenzene	<0.036	mg/kg	0.036	0.12	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Tetrachloroethene	<0.019	mg/kg	0.019	0.062	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Tetrahydrofuran	<0.20	mg/kg	0.20	0.66	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Toluene	<0.019	mg/kg	0.019	0.063	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.014	mg/kg	0.014	0.047	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.033	mg/kg	0.033	0.11	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Trichloroethene	<0.021	mg/kg	0.021	0.070	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760589 Sample Description: TB1 Sampled: 08/18/2016

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Trichlorofluoromethane	<0.057	mg/kg	0.057	0.19	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C
Vinyl chloride	<0.014	mg/kg	0.014	0.046	1		08/30/2016 08:08	08/30/2016 11:23	RLD	EPA 8260C

CT LAB Sample#: 760590 Sample Description: AMW-8 0-4' BGS Sampled: 08/18/2016 1230

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**69.3**	%	0.1	0.1	1			08/26/2016 14:50	AMA	EPA 8000C
Organic Results										
Qualifiers applying to all Analytes of Method EPA 8260C: W										
1,1,1,2-Tetrachloroethane	<0.040	mg/kg	0.040	0.13	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.035	mg/kg	0.035	0.12	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.032	mg/kg	0.032	0.10	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.023	mg/kg	0.023	0.075	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,1-Dichloroethane	<0.036	mg/kg	0.036	0.12	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,1-Dichloroethene	<0.038	mg/kg	0.038	0.12	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,1-Dichloropropene	<0.016	mg/kg	0.016	0.053	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.032	mg/kg	0.032	0.10	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.032	mg/kg	0.032	0.11	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.043	mg/kg	0.043	0.16	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,2,4-Trimethylbenzene	**0.515**	mg/kg	0.038	0.13	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.058	mg/kg	0.058	0.19	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,2-Dibromoethane	<0.033	mg/kg	0.033	0.11	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760590 Sample Description: AMW-8 0-4' BGS Sampled: 08/18/2016 1230

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: W										
1,2-Dichlorobenzene	<0.042	mg/kg	0.042	0.14	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,2-Dichloroethane	**0.0511**	mg/kg	0.033 *	0.11	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,2-Dichloropropane	<0.017	mg/kg	0.017	0.058	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,3,5-Trimethylbenzene	**0.120**	mg/kg	0.032	0.11	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.039	mg/kg	0.039	0.13	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,3-Dichloropropane	<0.043	mg/kg	0.043	0.14	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.039	mg/kg	0.039	0.13	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
2,2-Dichloropropane	<0.026	mg/kg	0.026	0.088	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
2-Butanone	<0.13	mg/kg	0.13	0.43	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
2-Chlorotoluene	<0.038	mg/kg	0.038	0.13	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
2-Hexanone	<0.16	mg/kg	0.16	0.53	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
4-Chlorotoluene	<0.038	mg/kg	0.038	0.12	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
4-Methyl-2-pentanone	<0.10	mg/kg	0.10	0.32	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Acetone	<0.40	mg/kg	0.40	1.4	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Benzene	**0.129**	mg/kg	0.0072	0.025	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Bromobenzene	<0.043	mg/kg	0.043	0.16	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Bromochloromethane	<0.014	mg/kg	0.014	0.049	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Bromodichloromethane	<0.023	mg/kg	0.023	0.076	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Bromoform	<0.026	mg/kg	0.026	0.087	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Bromomethane	<0.058	mg/kg	0.058	0.20	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Carbon disulfide	<0.12	mg/kg	0.12	0.38	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Carbon tetrachloride	<0.032	mg/kg	0.032	0.11	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Chlorobenzene	<0.033	mg/kg	0.033	0.11	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760590 Sample Description: AMW-8 0-4' BGS Sampled: 08/18/2016 1230

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: W										
Chloroethane	<0.087	mg/kg	0.087	0.30	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Chloroform	<0.030	mg/kg	0.030	0.10	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Chloromethane	<0.072	mg/kg	0.072	0.25	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.039	mg/kg	0.039	0.13	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.027	mg/kg	0.027	0.089	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Dibromochloromethane	<0.026	mg/kg	0.026	0.088	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Dibromomethane	<0.017	mg/kg	0.017	0.056	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Dichlorodifluoromethane	<0.058	mg/kg	0.058	0.20	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Diisopropyl ether	<0.043	mg/kg	0.043	0.14	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Ethylbenzene	**0.128**	mg/kg	0.030	0.10	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Hexachlorobutadiene	<0.040	mg/kg	0.040	0.14	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Isopropylbenzene	<0.036	mg/kg	0.036	0.12	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
m & p-Xylene	**0.726**	mg/kg	0.039	0.13	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Methyl tert-butyl ether	<0.035	mg/kg	0.035	0.12	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Methylene chloride	<0.043	mg/kg	0.043	0.14	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
n-Butylbenzene	<0.038	mg/kg	0.038	0.12	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
n-Propylbenzene	**0.0622**	mg/kg	0.038 *	0.12	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Naphthalene	**0.123**	mg/kg	0.042 *	0.14	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
o-Xylene	**0.186**	mg/kg	0.035	0.12	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
p-Isopropyltoluene	<0.032	mg/kg	0.032	0.11	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
sec-Butylbenzene	<0.040	mg/kg	0.040	0.13	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Styrene	<0.042	mg/kg	0.042	0.14	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
tert-Butylbenzene	<0.036	mg/kg	0.036	0.12	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760590 Sample Description: AMW-8 0-4' BGS Sampled: 08/18/2016 1230

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Qualifiers applying to all Analytes of Method EPA 8260C: W										
Tetrachloroethene	<0.019	mg/kg	0.019	0.062	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Tetrahydrofuran	<0.20	mg/kg	0.20	0.66	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Toluene	**0.442**	mg/kg	0.019	0.063	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.014	mg/kg	0.014	0.048	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.033	mg/kg	0.033	0.11	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Trichloroethene	<0.022	mg/kg	0.022	0.071	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Trichlorofluoromethane	<0.058	mg/kg	0.058	0.19	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
Vinyl chloride	<0.014	mg/kg	0.014	0.046	1		08/30/2016 08:08	08/30/2016 11:51	RLD	EPA 8260C
1-Methylnaphthalene	**0.231**	mg/kg	0.10 *	0.54	1	P	08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
2-Methylnaphthalene	**0.810**	mg/kg	0.12	0.54	1		08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Acenaphthene	<0.11	mg/kg	0.11	0.54	1		08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Acenaphthylene	<0.11	mg/kg	0.11	0.54	1		08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Anthracene	<0.022	mg/kg	0.022	0.094	1		08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Benzo(a)anthracene	<0.0043	mg/kg	0.0043	0.014	1		08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Benzo(a)pyrene	**0.0514**	mg/kg	0.014	0.046	1	P,M	08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Benzo(b)fluoranthene	**0.0499**	mg/kg	0.012	0.038	1		08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Benzo(g,h,i)perylene	**0.0673**	mg/kg	0.029 *	0.087	1		08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Benzo(k)fluoranthene	**0.0174**	mg/kg	0.0094 *	0.030	1	P	08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Chrysene	<0.036	mg/kg	0.036	0.12	1		08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.051	mg/kg	0.051	0.17	1		08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Fluoranthene	**0.0622**	mg/kg	0.017	0.054	1	P	08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Fluorene	<0.058	mg/kg	0.058	0.27	1		08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	**0.0644**	mg/kg	0.029 *	0.10	1		08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760590 Sample Description: AMW-8 0-4' BGS Sampled: 08/18/2016 1230

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	**0.800**	mg/kg	0.17	0.54	1		08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Phenanthrene	**0.0948**	mg/kg	0.029	0.094	1	P	08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310
Pyrene	<0.065	mg/kg	0.065	0.21	1		08/25/2016 08:30	08/31/2016 19:02	RED	EPA 8310

CT LAB Sample#: 760591 Sample Description: AGP-13 0-4' BGS Sampled: 08/18/2016 1245

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**60.5**	%	0.1	0.1	1			08/26/2016 14:50	AMA	EPA 8000C
Organic Results										
1-Methylnaphthalene	**0.207**	mg/kg	0.12 *	0.62	1	P	08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
2-Methylnaphthalene	**0.788**	mg/kg	0.14	0.62	1		08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Acenaphthene	<0.12	mg/kg	0.12	0.62	1		08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Acenaphthylene	**0.232**	mg/kg	0.12 *	0.62	1	P	08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Anthracene	**0.0323**	mg/kg	0.025 *	0.11	1	P	08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Benzo(a)anthracene	**0.163**	mg/kg	0.0050	0.017	1		08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Benzo(a)pyrene	**0.285**	mg/kg	0.017	0.052	1		08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Benzo(b)fluoranthene	**0.338**	mg/kg	0.013	0.043	1		08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Benzo(g,h,i)perylene	**0.305**	mg/kg	0.033	0.099	1		08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Benzo(k)fluoranthene	**0.144**	mg/kg	0.011	0.035	1		08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Chrysene	**0.159**	mg/kg	0.041	0.14	1	P	08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.058	mg/kg	0.058	0.19	1		08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Fluoranthene	**0.601**	mg/kg	0.019	0.061	1		08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Fluorene	<0.066	mg/kg	0.066	0.31	1		08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760591 Sample Description: AGP-13 0-4' BGS Sampled: 08/18/2016 1245

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Indeno(1,2,3-cd)pyrene	**0.296**	mg/kg	0.033	0.12	1		08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Naphthalene	<0.19	mg/kg	0.19	0.62	1		08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Phenanthrene	**0.317**	mg/kg	0.033	0.11	1	P	08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310
Pyrene	**0.128**	mg/kg	0.074 *	0.24	1	P	08/25/2016 08:30	08/31/2016 19:28	RED	EPA 8310

CT LAB Sample#: 760592 Sample Description: AGP-18 0-4' BGS Sampled: 08/18/2016 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**78.6**	%	0.1	0.1	1			08/26/2016 14:50	AMA	EPA 8000C
Metals Results										
Arsenic	**2.4**	mg/kg	0.75 *	2.7	1		08/30/2016 12:00	09/01/2016 20:48	NAH	EPA 6010C
Barium	**45.6**	mg/kg	0.054	0.18	1		08/30/2016 12:00	09/01/2016 20:48	NAH	EPA 6010C
Cadmium	<0.053	mg/kg	0.053	0.18	1		08/30/2016 12:00	09/01/2016 20:48	NAH	EPA 6010C
Chromium	**6.5**	mg/kg	1.6	5.2	1		08/30/2016 12:00	09/01/2016 20:48	NAH	EPA 6010C
Lead	**75.1**	mg/kg	0.32	1.1	1		08/30/2016 12:00	09/01/2016 20:48	NAH	EPA 6010C
Selenium	<1.8	mg/kg	1.8	6.0	1		08/30/2016 12:00	09/01/2016 20:48	NAH	EPA 6010C
Silver	<0.36	mg/kg	0.36	1.2	1		08/30/2016 12:00	09/01/2016 20:48	NAH	EPA 6010C
Mercury	**0.091**	mg/kg	0.00027	0.00093	1	M	08/30/2016 12:00	09/01/2016 10:21	LJF	EPA 7471B
Organic Results										
1-Methylnaphthalene	<0.45	mg/kg	0.44	2.4	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
2-Methylnaphthalene	<0.55	mg/kg	0.54	2.4	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Acenaphthene	<0.48	mg/kg	0.47	2.4	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Acenaphthylene	<0.48	mg/kg	0.47	2.4	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760592 Sample Description: AGP-18 0-4' BGS Sampled: 08/18/2016 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Anthracene	**0.164**	mg/kg	0.095 *	0.41	5	P	08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Benzo(a)anthracene	**1.27**	mg/kg	0.019	0.063	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Benzo(a)pyrene	**1.78**	mg/kg	0.063	0.20	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Benzo(b)fluoranthene	**1.87**	mg/kg	0.050	0.16	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Benzo(g,h,i)perylene	**1.87**	mg/kg	0.13	0.38	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Benzo(k)fluoranthene	**0.432**	mg/kg	0.041	0.13	5	P	08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Chrysene	**1.46**	mg/kg	0.16	0.54	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.22	mg/kg	0.22	0.73	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Fluoranthene	**2.40**	mg/kg	0.073	0.23	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Fluorene	<0.26	mg/kg	0.25	1.2	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	**1.95**	mg/kg	0.13	0.44	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Naphthalene	<0.74	mg/kg	0.73	2.4	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Phenanthrene	**1.34**	mg/kg	0.13	0.41	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310
Pyrene	**2.85**	mg/kg	0.28	0.92	5		08/25/2016 08:30	08/31/2016 15:57	RED	EPA 8310

CT LAB Sample#: 760593 Sample Description: AGP-12 0-4' BGS Sampled: 08/18/2016 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**62.8**	%	0.1	0.1	1			08/26/2016 14:50	AMA	EPA 8000C
Metals Results										
Arsenic	**2.6**	mg/kg	0.72	2.6	1		08/30/2016 12:00	09/01/2016 21:14	NAH	EPA 6010C
Mercury	**0.052**	mg/kg	0.00035	0.0012	1		08/30/2016 12:00	09/01/2016 10:34	LJF	EPA 7471B
Organic Results										

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760593 Sample Description: AGP-12 0-4' BGS Sampled: 08/18/2016 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1-Methylnaphthalene	**0.149**	mg/kg	0.11 *	0.60	1	P	08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
2-Methylnaphthalene	<0.14	mg/kg	0.14	0.60	1		08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Acenaphthene	**2.64**	mg/kg	0.12	0.60	1	P	08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Acenaphthylene	**2.44**	mg/kg	0.12	0.60	1	P	08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Anthracene	**0.0310**	mg/kg	0.024 *	0.10	1	P	08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Benzo(a)anthracene	**0.315**	mg/kg	0.0048	0.016	1		08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Benzo(a)pyrene	<0.016	mg/kg	0.016	0.050	1		08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Benzo(b)fluoranthene	<0.013	mg/kg	0.013	0.041	1		08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Benzo(g,h,i)perylene	**0.526**	mg/kg	0.032	0.095	1		08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Benzo(k)fluoranthene	<0.010	mg/kg	0.010	0.033	1		08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Chrysene	<0.040	mg/kg	0.040	0.14	1		08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.056	mg/kg	0.056	0.18	1		08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Fluoranthene	**0.362**	mg/kg	0.018	0.059	1	P	08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Fluorene	**1.99**	mg/kg	0.064	0.30	1		08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.032	mg/kg	0.032	0.11	1		08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Naphthalene	**0.541**	mg/kg	0.18 *	0.60	1	P	08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Phenanthrene	**0.181**	mg/kg	0.032	0.10	1	P	08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310
Pyrene	<0.072	mg/kg	0.072	0.23	1		08/25/2016 08:30	08/31/2016 21:14	RED	EPA 8310

CT LAB Sample#: 760594 Sample Description: AGP-19 0-4 BGS Sampled: 08/18/2016 1325

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**59.2**	%	0.1	0.1	1			08/26/2016 14:50	AMA	EPA 8000C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760594 Sample Description: AGP-19 0-4 BGS Sampled: 08/18/2016 1325

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Arsenic	**2.7**	mg/kg	0.69	2.5	1		08/30/2016 12:00	09/01/2016 21:21	NAH	EPA 6010C
Barium	**56.4**	mg/kg	0.049	0.17	1		08/30/2016 12:00	09/01/2016 21:21	NAH	EPA 6010C
Cadmium	**0.31**	mg/kg	0.048	0.16	1		08/30/2016 12:00	09/01/2016 21:21	NAH	EPA 6010C
Chromium	**6.4**	mg/kg	1.4	4.8	1		08/30/2016 12:00	09/01/2016 21:21	NAH	EPA 6010C
Lead	**97.6**	mg/kg	0.29	0.99	1		08/30/2016 12:00	09/01/2016 21:21	NAH	EPA 6010C
Selenium	**1.7**	mg/kg	1.7 *	5.5	1		08/30/2016 12:00	09/01/2016 21:21	NAH	EPA 6010C
Silver	<0.32	mg/kg	0.32	1.1	1		08/30/2016 12:00	09/01/2016 21:21	NAH	EPA 6010C
Mercury	**0.12**	mg/kg	0.00037	0.0013	1		08/30/2016 12:00	09/01/2016 10:37	LJF	EPA 7471B
Organic Results										
1-Methylnaphthalene	<0.59	mg/kg	0.59	3.2	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
2-Methylnaphthalene	<0.72	mg/kg	0.72	3.2	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Acenaphthene	<0.63	mg/kg	0.63	3.2	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Acenaphthylene	<0.63	mg/kg	0.63	3.2	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Anthracene	**0.595**	mg/kg	0.13	0.55	5	P	08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Benzo(a)anthracene	**2.36**	mg/kg	0.025	0.084	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Benzo(a)pyrene	**3.43**	mg/kg	0.084	0.27	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Benzo(b)fluoranthene	**3.02**	mg/kg	0.068	0.22	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Benzo(g,h,i)perylene	**3.31**	mg/kg	0.17	0.51	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Benzo(k)fluoranthene	**1.45**	mg/kg	0.055	0.18	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Chrysene	**3.42**	mg/kg	0.21	0.72	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.30	mg/kg	0.30	0.97	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Fluoranthene	**6.13**	mg/kg	0.097	0.31	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Fluorene	<0.34	mg/kg	0.34	1.6	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	**2.77**	mg/kg	0.17	0.59	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760594 Sample Description: AGP-19 0-4 BGS Sampled: 08/18/2016 1325

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	<0.97	mg/kg	0.97	3.2	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Phenanthrene	**4.00**	mg/kg	0.17	0.55	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310
Pyrene	**7.48**	mg/kg	0.38	1.2	5		08/25/2016 08:30	08/31/2016 16:49	RED	EPA 8310

CT LAB Sample#: 760595 Sample Description: AGP-17 0-4 BGS Sampled: 08/18/2016 1340

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**88.1**	%	0.1	0.1	1			08/26/2016 14:50	AMA	EPA 8000C
Metals Results										
Arsenic	<0.42	mg/kg	0.42	1.5	1		08/30/2016 12:00	09/01/2016 21:27	NAH	EPA 6010C
Barium	**39.6**	mg/kg	0.030	0.10	1		08/30/2016 12:00	09/01/2016 21:27	NAH	EPA 6010C
Cadmium	<0.029	mg/kg	0.029	0.097	1		08/30/2016 12:00	09/01/2016 21:27	NAH	EPA 6010C
Chromium	**11.7**	mg/kg	0.87	2.9	1		08/30/2016 12:00	09/01/2016 21:27	NAH	EPA 6010C
Lead	**3.9**	mg/kg	0.18	0.60	1		08/30/2016 12:00	09/01/2016 21:27	NAH	EPA 6010C
Selenium	<1.0	mg/kg	1.0	3.3	1		08/30/2016 12:00	09/01/2016 21:27	NAH	EPA 6010C
Silver	<0.20	mg/kg	0.20	0.67	1		08/30/2016 12:00	09/01/2016 21:27	NAH	EPA 6010C
Mercury	**0.017**	mg/kg	0.00024	0.00083	1		08/30/2016 12:00	09/01/2016 10:39	LJF	EPA 7471B
Organic Results										
1-Methylnaphthalene	<0.016	mg/kg	0.016	0.085	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
2-Methylnaphthalene	<0.019	mg/kg	0.019	0.085	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Acenaphthene	<0.017	mg/kg	0.017	0.085	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Acenaphthylene	<0.017	mg/kg	0.017	0.085	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Anthracene	<0.0034	mg/kg	0.0034	0.015	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760595 Sample Description: AGP-17 0-4 BGS Sampled: 08/18/2016 1340

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Benzo(a)anthracene	**0.00305**	mg/kg	0.00068		0.0023	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Benzo(a)pyrene	<0.0023	mg/kg	0.0023		0.0071	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Benzo(b)fluoranthene	**0.00565**	mg/kg	0.0018	*	0.0059	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Benzo(g,h,i)perylene	<0.0046	mg/kg	0.0045		0.014	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Benzo(k)fluoranthene	**0.00317**	mg/kg	0.0015	*	0.0047	1	P	08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Chrysene	<0.0057	mg/kg	0.0057		0.019	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.0080	mg/kg	0.0079		0.026	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Fluoranthene	**0.00554**	mg/kg	0.0026	*	0.0084	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Fluorene	<0.0091	mg/kg	0.0090		0.043	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	**0.00531**	mg/kg	0.0045	*	0.016	1	P	08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Naphthalene	<0.026	mg/kg	0.026		0.085	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Phenanthrene	<0.0046	mg/kg	0.0045		0.015	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310
Pyrene	<0.010	mg/kg	0.010		0.033	1		08/25/2016 08:30	08/31/2016 17:16	RED	EPA 8310

CT LAB Sample#: 760596 Sample Description: AGP-14 2-4 BGS Sampled: 08/18/2016 1410

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results											
Solids, Percent	**88.8**	%	0.1		0.1	1			08/26/2016 14:50	AMA	EPA 8000C
Organic Results											
Aroclor-1016	<0.0090	mg/kg	0.0090		0.029	1	M	08/25/2016 08:30	08/26/2016 13:32	JJY	EPA 8082A
Aroclor-1221	<0.023	mg/kg	0.023		0.075	1	M	08/25/2016 08:30	08/26/2016 13:32	JJY	EPA 8082A
Aroclor-1232	<0.016	mg/kg	0.016		0.053	1		08/25/2016 08:30	08/26/2016 13:32	JJY	EPA 8082A
Aroclor-1242	<0.011	mg/kg	0.011		0.036	1		08/25/2016 08:30	08/26/2016 13:32	JJY	EPA 8082A

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760596 Sample Description: AGP-14 2-4 BGS Sampled: 08/18/2016 1410

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Aroclor-1248	<0.015	mg/kg	0.015	0.049	1		08/25/2016 08:30	08/26/2016 13:32	JJY	EPA 8082A
Aroclor-1254	<0.011	mg/kg	0.011	0.037	1		08/25/2016 08:30	08/26/2016 13:32	JJY	EPA 8082A
Aroclor-1260	**0.105**	mg/kg	0.0034	0.023	1		08/25/2016 08:30	08/26/2016 13:32	JJY	EPA 8082A

CT LAB Sample#: 760597 Sample Description: AGP-15 2-4 BGS Sampled: 08/18/2016 1430

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**54.4**	%	0.1	0.1	1			08/26/2016 14:50	AMA	EPA 8000C
Organic Results										
Aroclor-1016	<0.015	mg/kg	0.015	0.047	1		08/25/2016 08:30	08/26/2016 13:04	JJY	EPA 8082A
Aroclor-1221	<0.036	mg/kg	0.036	0.12	1		08/25/2016 08:30	08/26/2016 13:04	JJY	EPA 8082A
Aroclor-1232	<0.026	mg/kg	0.026	0.086	1		08/25/2016 08:30	08/26/2016 13:04	JJY	EPA 8082A
Aroclor-1242	<0.018	mg/kg	0.018	0.058	1		08/25/2016 08:30	08/26/2016 13:04	JJY	EPA 8082A
Aroclor-1248	<0.024	mg/kg	0.024	0.078	1		08/25/2016 08:30	08/26/2016 13:04	JJY	EPA 8082A
Aroclor-1254	<0.018	mg/kg	0.018	0.060	1		08/25/2016 08:30	08/26/2016 13:04	JJY	EPA 8082A
Aroclor-1260	<0.0055	mg/kg	0.0055	0.036	1		08/25/2016 08:30	08/26/2016 13:04	JJY	EPA 8082A

CT LAB Sample#: 760598 Sample Description: 2-4 BGS AGP-16 Sampled: 08/18/2016 1455

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**85.3**	%	0.1	0.1	1			08/26/2016 14:50	AMA	EPA 8000C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 760598 Sample Description: 2-4 BGS AGP-16 Sampled: 08/18/2016 1455

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Aroclor-1016	<0.0093	mg/kg	0.0093	0.030	1		08/25/2016 08:30	08/26/2016 13:18	JJY	EPA 8082A
Aroclor-1221	<0.023	mg/kg	0.023	0.077	1		08/25/2016 08:30	08/26/2016 13:18	JJY	EPA 8082A
Aroclor-1232	<0.016	mg/kg	0.016	0.055	1		08/25/2016 08:30	08/26/2016 13:18	JJY	EPA 8082A
Aroclor-1242	**0.0537**	mg/kg	0.012	0.037	1		08/25/2016 08:30	08/26/2016 13:18	JJY	EPA 8082A
Aroclor-1248	<0.015	mg/kg	0.015	0.050	1		08/25/2016 08:30	08/26/2016 13:18	JJY	EPA 8082A
Aroclor-1254	<0.012	mg/kg	0.012	0.039	1		08/25/2016 08:30	08/26/2016 13:18	JJY	EPA 8082A
Aroclor-1260	<0.0035	mg/kg	0.0035	0.023	1		08/25/2016 08:30	08/26/2016 13:18	JJY	EPA 8082A

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

QC Qualifiers

Code	Description
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	BOD incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME/CLIENT
19-0558.00	Two Rivers

SAMPLERS: (Signature) William Honea

SAMPLE NO.	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION/ DESCRIPTION	NO. OF CON-TAINERS	Field Filtered: As & Hg only	RCRA Metals	PAHs	PCBs	VOCs			REMARKS
TB-1	8-18-16	—			trip blank	1					X			760589 MeOH trip blank
AMW-8	8-18-16	1230		✓	0-4' bgs	3			X		X			760590 includes % solids
AGP-13	8-18-16	12:45		✓	0-4' bgs	1			X					760591
AGP-18	8-18-16	13:15		✓	0-4' bgs	2		X	X					760592
AGP-12	8-18-16	13:30		✓	0-4' bgs	2	X		X					760593
AGP-19	8-18-16	13:25		✓	0-4' bgs	2		X	X					760594
AGP-17	8-18-16	13:40		✓	0-4' bgs	2		X	X					760595
AGP-14	8-18-16	14:10		✓	2-4' bgs	1				X				760596
AGP-15	8-18-16	14:30		✓	2-4' bgs	1				X				760597
AGP-16	8-18-16	1455		✓	2-4' bgs	1				X				760598

Folder #: 121479
Company: AYRES ASSOCIATES
Project: TWO RIVERS
Logged By: BNA PM ET

Ayres Project Contact: Bill Honea (honeawl@ayresassociates.com) Ayres Project Manager: Lynn Scherbert

Invoice To: Lynn Scherbert

RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)
				8-24-16 1414	

AYRES ASSOCIATES
Ayres Associates Inc
Engineers/Architects/Scientists/Photogrammetrists
3433 Oakwood Hills Parkway, P.O. Box 1590, Eau Claire, WI 54702-1590
(715) 834-3161

Shipped on ice: ✓ yes ___ no
Received on ice: X yes ___ no
Temp. if not received on ice: 5.5° C

COMMENTS:
AGP-12 gets As, Hg & PCBs only

Appendix F

Groundwater Analytical Results

CT LABORATORIES
delivering more than data from your environmental analyses

CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913
608-356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

AYRES ASSOCIATES
LYNN SCHERBERT
N17 W24222 RIVERWOOD DR
SUITE 310
WAUKESHA, WI 53188-1132

Project Name: TWO RIVERS
Project Phase:
Contract #: 1451
Project #:
Folder #: 121944
Purchase Order #: 190558.00

Arrival Temperature: See COC
Report Date: 09/27/2016
Date Received: 09/09/2016
Reprint Date: 09/27/2016

CT LAB Sample#: 768411 Sample Description: AMW-1 Sampled: 09/07/2016 1116

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**75.3**	ug/L	0.70	2.5	1			09/12/2016 12:10	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/12/2016 12:10	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/12/2016 12:10	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/12/2016 12:10	NAH	EPA 6010C
Dissolved Selenium	**13.3**	ug/L	7.0 *	25	1			09/12/2016 12:10	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/12/2016 12:10	NAH	EPA 6010C
Dissolved Arsenic	**4.0**	ug/L	0.60	2.1	1		09/13/2016 08:10	09/13/2016 12:58	MDS	EPA 7010
Dissolved Mercury	**0.13**	ug/L	0.020	0.066	1		09/12/2016 10:40	09/13/2016 09:35	LJF	EPA 7470A
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			09/16/2016 23:01	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			09/16/2016 23:01	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			09/16/2016 23:01	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			09/16/2016 23:01	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			09/16/2016 23:01	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			09/16/2016 23:01	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768411 Sample Description: AMW-1 Sampled: 09/07/2016 1116

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			09/16/2016 23:01	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			09/16/2016 23:01	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			09/16/2016 23:01	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			09/16/2016 23:01	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			09/16/2016 23:01	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			09/16/2016 23:01	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			09/16/2016 23:01	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			09/16/2016 23:01	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			09/16/2016 23:01	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:01	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			09/16/2016 23:01	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			09/16/2016 23:01	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:01	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			09/16/2016 23:01	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:01	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			09/16/2016 23:01	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:01	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			09/16/2016 23:01	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			09/16/2016 23:01	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			09/16/2016 23:01	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			09/16/2016 23:01	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			09/16/2016 23:01	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			09/16/2016 23:01	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			09/16/2016 23:01	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:01	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768411 Sample Description: AMW-1 Sampled: 09/07/2016 1116

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.70	ug/L	0.70	2.3	1			09/16/2016 23:01	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			09/16/2016 23:01	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:01	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:01	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			09/16/2016 23:01	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:01	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			09/16/2016 23:01	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			09/16/2016 23:01	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			09/16/2016 23:01	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			09/16/2016 23:01	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:01	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			09/16/2016 23:01	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			09/16/2016 23:01	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			09/16/2016 23:01	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			09/16/2016 23:01	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			09/16/2016 23:01	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:01	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			09/16/2016 23:01	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			09/16/2016 23:01	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			09/16/2016 23:01	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			09/16/2016 23:01	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			09/16/2016 23:01	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			09/16/2016 23:01	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:01	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			09/16/2016 23:01	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768411 Sample Description: AMW-1 Sampled: 09/07/2016 1116

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			09/16/2016 23:01	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			09/16/2016 23:01	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:01	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			09/16/2016 23:01	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			09/16/2016 23:01	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			09/16/2016 23:01	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			09/16/2016 23:01	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:01	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			09/16/2016 23:01	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			09/16/2016 23:01	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			09/16/2016 23:01	RLD	EPA 8260C
1-Methylnaphthalene	<0.15	ug/L	0.15	0.77	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Acenaphthene	<0.24	ug/L	0.24	0.82	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Acenaphthylene	<0.17	ug/L	0.17	0.77	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Benzo(a)pyrene	<0.0071	ug/L	0.0071	0.032	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Benzo(b)fluoranthene	<0.0051	ug/L	0.0051	0.026	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.089	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Benzo(k)fluoranthene	<0.0061	ug/L	0.0061	0.026	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Chrysene	<0.024	ug/L	0.024	0.13	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.023	ug/L	0.023	0.13	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Fluoranthene	<0.0092	ug/L	0.0092	0.031	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768411 Sample Description: AMW-1 Sampled: 09/07/2016 1116

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.063	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		09/14/2016 08:00	09/19/2016 20:22	RED	EPA 8310

CT LAB Sample#: 768419 Sample Description: APZ-1 Sampled: 09/07/2016 1116

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**36.1**	ug/L	0.70	2.5	1			09/12/2016 12:17	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/12/2016 12:17	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/12/2016 12:17	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/12/2016 12:17	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			09/12/2016 12:17	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/12/2016 12:17	NAH	EPA 6010C
Dissolved Arsenic	**2.3**	ug/L	0.60	2.1	1		09/13/2016 08:10	09/13/2016 13:04	MDS	EPA 7010
Dissolved Mercury	**0.23**	ug/L	0.020	0.066	1		09/12/2016 10:40	09/13/2016 09:38	LJF	EPA 7470A
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			09/16/2016 23:29	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			09/16/2016 23:29	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			09/16/2016 23:29	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			09/16/2016 23:29	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			09/16/2016 23:29	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			09/16/2016 23:29	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768419 Sample Description: APZ-1 Sampled: 09/07/2016 1116

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			09/16/2016 23:29	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			09/16/2016 23:29	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			09/16/2016 23:29	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			09/16/2016 23:29	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			09/16/2016 23:29	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			09/16/2016 23:29	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			09/16/2016 23:29	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			09/16/2016 23:29	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			09/16/2016 23:29	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:29	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			09/16/2016 23:29	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			09/16/2016 23:29	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:29	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			09/16/2016 23:29	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:29	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			09/16/2016 23:29	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:29	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			09/16/2016 23:29	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			09/16/2016 23:29	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			09/16/2016 23:29	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			09/16/2016 23:29	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			09/16/2016 23:29	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			09/16/2016 23:29	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			09/16/2016 23:29	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:29	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768419 Sample Description: APZ-1 Sampled: 09/07/2016 1116

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.70	ug/L	0.70	2.3	1			09/16/2016 23:29	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			09/16/2016 23:29	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:29	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:29	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			09/16/2016 23:29	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:29	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			09/16/2016 23:29	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			09/16/2016 23:29	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			09/16/2016 23:29	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			09/16/2016 23:29	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:29	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			09/16/2016 23:29	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			09/16/2016 23:29	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			09/16/2016 23:29	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			09/16/2016 23:29	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			09/16/2016 23:29	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:29	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			09/16/2016 23:29	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			09/16/2016 23:29	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			09/16/2016 23:29	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			09/16/2016 23:29	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			09/16/2016 23:29	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			09/16/2016 23:29	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:29	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			09/16/2016 23:29	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768419 Sample Description: APZ-1 Sampled: 09/07/2016 1116

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			09/16/2016 23:29	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			09/16/2016 23:29	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:29	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			09/16/2016 23:29	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			09/16/2016 23:29	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			09/16/2016 23:29	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			09/16/2016 23:29	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:29	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			09/16/2016 23:29	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			09/16/2016 23:29	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			09/16/2016 23:29	RLD	EPA 8260C
1-Methylnaphthalene	<0.15	ug/L	0.15	0.77	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Acenaphthene	<0.25	ug/L	0.25	0.82	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.77	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Benzo(a)pyrene	<0.0072	ug/L	0.0072	0.032	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.090	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Benzo(k)fluoranthene	<0.0062	ug/L	0.0062	0.026	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Fluoranthene	<0.0093	ug/L	0.0093	0.031	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768419 Sample Description: APZ-1 Sampled: 09/07/2016 1116

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.064	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		09/14/2016 08:00	09/19/2016 21:15	RED	EPA 8310

CT LAB Sample#: 768420 Sample Description: AMW-2 Sampled: 09/07/2016 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**352**	ug/L	0.70	2.5	1			09/12/2016 12:24	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/12/2016 12:24	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/12/2016 12:24	NAH	EPA 6010C
Dissolved Lead	**2.5**	ug/L	1.3 *	4.2	1			09/12/2016 12:24	NAH	EPA 6010C
Dissolved Selenium	**26.4**	ug/L	7.0	25	1			09/12/2016 12:24	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/12/2016 12:24	NAH	EPA 6010C
Dissolved Arsenic	**2.8**	ug/L	0.60	2.1	1		09/13/2016 08:10	09/13/2016 13:10	MDS	EPA 7010
Dissolved Mercury	**0.24**	ug/L	0.020	0.066	1		09/12/2016 10:40	09/13/2016 09:40	LJF	EPA 7470A
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			09/16/2016 23:58	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			09/16/2016 23:58	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			09/16/2016 23:58	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			09/16/2016 23:58	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			09/16/2016 23:58	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			09/16/2016 23:58	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768420 Sample Description: AMW-2 Sampled: 09/07/2016 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			09/16/2016 23:58	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			09/16/2016 23:58	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			09/16/2016 23:58	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			09/16/2016 23:58	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			09/16/2016 23:58	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			09/16/2016 23:58	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			09/16/2016 23:58	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			09/16/2016 23:58	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			09/16/2016 23:58	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:58	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			09/16/2016 23:58	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			09/16/2016 23:58	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:58	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			09/16/2016 23:58	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:58	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			09/16/2016 23:58	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:58	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			09/16/2016 23:58	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			09/16/2016 23:58	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			09/16/2016 23:58	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			09/16/2016 23:58	RLD	EPA 8260C
Benzene	**2.9**	ug/L	0.24	0.81	1			09/16/2016 23:58	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			09/16/2016 23:58	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			09/16/2016 23:58	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:58	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768420 Sample Description: AMW-2 Sampled: 09/07/2016 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.70	ug/L	0.70	2.3	1			09/16/2016 23:58	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			09/16/2016 23:58	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:58	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:58	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			09/16/2016 23:58	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			09/16/2016 23:58	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			09/16/2016 23:58	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			09/16/2016 23:58	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			09/16/2016 23:58	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			09/16/2016 23:58	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:58	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			09/16/2016 23:58	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			09/16/2016 23:58	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			09/16/2016 23:58	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			09/16/2016 23:58	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			09/16/2016 23:58	RLD	EPA 8260C
Isopropylbenzene	**2.4**	ug/L	0.40	1.4	1			09/16/2016 23:58	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			09/16/2016 23:58	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			09/16/2016 23:58	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			09/16/2016 23:58	RLD	EPA 8260C
n-Butylbenzene	**1.8**	ug/L	0.40	1.2	1			09/16/2016 23:58	RLD	EPA 8260C
n-Propylbenzene	**3.7**	ug/L	0.50	1.8	1			09/16/2016 23:58	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			09/16/2016 23:58	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			09/16/2016 23:58	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			09/16/2016 23:58	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768420 Sample Description: AMW-2 Sampled: 09/07/2016 1215

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	**1.6**	ug/L	0.40		1.3	1			09/16/2016 23:58	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50		1.7	1			09/16/2016 23:58	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40		1.4	1			09/16/2016 23:58	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50		1.8	1			09/16/2016 23:58	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0		10	1			09/16/2016 23:58	RLD	EPA 8260C
Toluene	**0.51**	ug/L	0.30	*	1.1	1			09/16/2016 23:58	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60		1.9	1			09/16/2016 23:58	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40		1.4	1			09/16/2016 23:58	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30		1.0	1			09/16/2016 23:58	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30		1.1	1			09/16/2016 23:58	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19		0.64	1			09/16/2016 23:58	RLD	EPA 8260C
1-Methylnaphthalene	**11**	ug/L	0.15		0.77	1		09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
2-Methylnaphthalene	**3.7**	ug/L	0.16		0.77	1	P	09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Acenaphthene	**1.7**	ug/L	0.25		0.82	1	P	09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18		0.77	1		09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Anthracene	**0.33**	ug/L	0.10	*	0.34	1	P	09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012		0.040	1		09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Benzo(a)pyrene	<0.0072	ug/L	0.0072		0.032	1		09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052		0.026	1		09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027		0.090	1		09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Benzo(k)fluoranthene	<0.0062	ug/L	0.0062		0.026	1		09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025		0.13	1		09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024		0.13	1		09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Fluoranthene	<0.0093	ug/L	0.0093		0.031	1		09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Fluorene	**4.9**	ug/L	0.082		0.38	1		09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768420 Sample Description: AMW-2 Sampled: 09/07/2016 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.064	1		09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Phenanthrene	**1.4**	ug/L	0.026	0.13	1	P	09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		09/14/2016 08:00	09/19/2016 21:41	RED	EPA 8310

CT LAB Sample#: 768421 Sample Description: APZ-2 Sampled: 09/07/2016 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**52.1**	ug/L	0.70	2.5	1			09/12/2016 12:31	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/12/2016 12:31	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/12/2016 12:31	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/12/2016 12:31	NAH	EPA 6010C
Dissolved Selenium	**11.4**	ug/L	7.0 *	25	1			09/12/2016 12:31	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/12/2016 12:31	NAH	EPA 6010C
Dissolved Arsenic	<0.60	ug/L	0.60	2.1	1		09/13/2016 08:10	09/13/2016 13:16	MDS	EPA 7010
Dissolved Mercury	**0.24**	ug/L	0.020	0.066	1		09/12/2016 10:40	09/13/2016 09:42	LJF	EPA 7470A
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			09/17/2016 00:26	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			09/17/2016 00:26	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 00:26	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 00:26	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 00:26	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			09/17/2016 00:26	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768421 Sample Description: APZ-2 Sampled: 09/07/2016 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			09/17/2016 00:26	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			09/17/2016 00:26	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			09/17/2016 00:26	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			09/17/2016 00:26	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 00:26	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			09/17/2016 00:26	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			09/17/2016 00:26	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 00:26	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			09/17/2016 00:26	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:26	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 00:26	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 00:26	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 00:26	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			09/17/2016 00:26	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 00:26	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			09/17/2016 00:26	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:26	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			09/17/2016 00:26	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			09/17/2016 00:26	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			09/17/2016 00:26	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			09/17/2016 00:26	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			09/17/2016 00:26	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 00:26	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 00:26	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:26	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768421 Sample Description: APZ-2 Sampled: 09/07/2016 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.70	ug/L	0.70	2.3	1			09/17/2016 00:26	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 00:26	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			09/17/2016 00:26	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			09/17/2016 00:26	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			09/17/2016 00:26	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			09/17/2016 00:26	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			09/17/2016 00:26	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			09/17/2016 00:26	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 00:26	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			09/17/2016 00:26	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:26	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 00:26	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 00:26	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			09/17/2016 00:26	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			09/17/2016 00:26	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			09/17/2016 00:26	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:26	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			09/17/2016 00:26	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			09/17/2016 00:26	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			09/17/2016 00:26	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 00:26	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 00:26	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			09/17/2016 00:26	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:26	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			09/17/2016 00:26	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768421 Sample Description: APZ-2 Sampled: 09/07/2016 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 00:26	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			09/17/2016 00:26	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:26	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			09/17/2016 00:26	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			09/17/2016 00:26	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			09/17/2016 00:26	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			09/17/2016 00:26	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:26	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 00:26	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 00:26	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			09/17/2016 00:26	RLD	EPA 8260C
1-Methylnaphthalene	<0.16	ug/L	0.16	0.82	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
2-Methylnaphthalene	<0.17	ug/L	0.17	0.82	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Acenaphthene	<0.26	ug/L	0.26	0.87	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.82	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Anthracene	<0.11	ug/L	0.11	0.36	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Benzo(a)anthracene	<0.013	ug/L	0.013	0.042	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Benzo(a)pyrene	<0.0076	ug/L	0.0076	0.034	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Benzo(b)fluoranthene	<0.0054	ug/L	0.0054	0.027	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Benzo(g,h,i)perylene	<0.028	ug/L	0.028	0.095	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Benzo(k)fluoranthene	<0.0065	ug/L	0.0065	0.027	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Chrysene	<0.026	ug/L	0.026	0.14	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.025	ug/L	0.025	0.14	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Fluoranthene	<0.0098	ug/L	0.0098	0.033	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Fluorene	<0.087	ug/L	0.087	0.40	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768421 Sample Description: APZ-2 Sampled: 09/07/2016 1215

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.017	0.067	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Naphthalene	<0.15	ug/L	0.15	0.82	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Phenanthrene	<0.027	ug/L	0.027	0.14	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310
Pyrene	<0.029	ug/L	0.029	0.14	1		09/14/2016 08:00	09/19/2016 22:08	RED	EPA 8310

CT LAB Sample#: 768422 Sample Description: AMW-3 Sampled: 09/07/2016 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**237**	ug/L	0.70	2.5	1			09/12/2016 12:38	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/12/2016 12:38	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/12/2016 12:38	NAH	EPA 6010C
Dissolved Lead	**3.9**	ug/L	1.3 *	4.2	1			09/12/2016 12:38	NAH	EPA 6010C
Dissolved Selenium	**28.4**	ug/L	7.0	25	1			09/12/2016 12:38	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/12/2016 12:38	NAH	EPA 6010C
Dissolved Arsenic	**1.7**	ug/L	0.60 *	2.1	1		09/13/2016 08:10	09/13/2016 13:22	MDS	EPA 7010
Dissolved Mercury	**0.25**	ug/L	0.020	0.066	1		09/12/2016 10:40	09/13/2016 09:44	LJF	EPA 7470A
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			09/17/2016 00:55	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			09/17/2016 00:55	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 00:55	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 00:55	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 00:55	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			09/17/2016 00:55	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768422 Sample Description: AMW-3 Sampled: 09/07/2016 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			09/17/2016 00:55	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			09/17/2016 00:55	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			09/17/2016 00:55	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			09/17/2016 00:55	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 00:55	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			09/17/2016 00:55	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			09/17/2016 00:55	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 00:55	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			09/17/2016 00:55	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:55	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 00:55	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 00:55	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 00:55	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			09/17/2016 00:55	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 00:55	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			09/17/2016 00:55	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:55	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			09/17/2016 00:55	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			09/17/2016 00:55	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			09/17/2016 00:55	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			09/17/2016 00:55	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			09/17/2016 00:55	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 00:55	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 00:55	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:55	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768422 Sample Description: AMW-3 Sampled: 09/07/2016 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.70	ug/L	0.70	2.3	1			09/17/2016 00:55	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 00:55	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			09/17/2016 00:55	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			09/17/2016 00:55	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			09/17/2016 00:55	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			09/17/2016 00:55	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			09/17/2016 00:55	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			09/17/2016 00:55	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 00:55	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			09/17/2016 00:55	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:55	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 00:55	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 00:55	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			09/17/2016 00:55	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			09/17/2016 00:55	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			09/17/2016 00:55	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:55	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			09/17/2016 00:55	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			09/17/2016 00:55	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			09/17/2016 00:55	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 00:55	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 00:55	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			09/17/2016 00:55	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:55	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			09/17/2016 00:55	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768422 Sample Description: AMW-3 Sampled: 09/07/2016 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 00:55	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			09/17/2016 00:55	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:55	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			09/17/2016 00:55	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			09/17/2016 00:55	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			09/17/2016 00:55	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			09/17/2016 00:55	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			09/17/2016 00:55	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 00:55	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 00:55	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			09/17/2016 00:55	RLD	EPA 8260C
1-Methylnaphthalene	<0.15	ug/L	0.15	0.77	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Acenaphthene	<0.25	ug/L	0.25	0.82	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.77	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Benzo(a)pyrene	<0.0072	ug/L	0.0072	0.032	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.090	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Benzo(k)fluoranthene	<0.0062	ug/L	0.0062	0.026	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Fluoranthene	<0.0093	ug/L	0.0093	0.031	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768422 Sample Description: AMW-3 Sampled: 09/07/2016 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.064	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		09/14/2016 08:00	09/19/2016 22:34	RED	EPA 8310

CT LAB Sample#: 768423 Sample Description: AMW-4 Sampled: 09/07/2016 1308

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**155**	ug/L	0.70	2.5	1			09/12/2016 12:45	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/12/2016 12:45	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/12/2016 12:45	NAH	EPA 6010C
Dissolved Lead	**1.5**	ug/L	1.3 *	4.2	1			09/12/2016 12:45	NAH	EPA 6010C
Dissolved Selenium	**39.2**	ug/L	7.0	25	1			09/12/2016 12:45	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/12/2016 12:45	NAH	EPA 6010C
Dissolved Arsenic	**1.7**	ug/L	0.60 *	2.1	1		09/13/2016 08:10	09/13/2016 13:28	MDS	EPA 7010
Dissolved Mercury	**0.25**	ug/L	0.020	0.066	1		09/12/2016 10:40	09/13/2016 09:46	LJF	EPA 7470A
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			09/17/2016 01:23	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			09/17/2016 01:23	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 01:23	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 01:23	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 01:23	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			09/17/2016 01:23	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768423 Sample Description: AMW-4 Sampled: 09/07/2016 1308

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			09/17/2016 01:23	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			09/17/2016 01:23	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			09/17/2016 01:23	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			09/17/2016 01:23	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 01:23	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			09/17/2016 01:23	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			09/17/2016 01:23	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 01:23	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			09/17/2016 01:23	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:23	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 01:23	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 01:23	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 01:23	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			09/17/2016 01:23	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 01:23	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			09/17/2016 01:23	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:23	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			09/17/2016 01:23	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			09/17/2016 01:23	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			09/17/2016 01:23	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			09/17/2016 01:23	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			09/17/2016 01:23	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 01:23	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 01:23	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:23	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768423 Sample Description: AMW-4 Sampled: 09/07/2016 1308

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.70	ug/L	0.70	2.3	1			09/17/2016 01:23	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 01:23	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			09/17/2016 01:23	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			09/17/2016 01:23	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			09/17/2016 01:23	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			09/17/2016 01:23	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			09/17/2016 01:23	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			09/17/2016 01:23	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 01:23	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			09/17/2016 01:23	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:23	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 01:23	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 01:23	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			09/17/2016 01:23	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			09/17/2016 01:23	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			09/17/2016 01:23	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:23	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			09/17/2016 01:23	RLD	EPA 8260C
Methyl tert-butyl ether	**0.43**	ug/L	0.30 *	1.1	1			09/17/2016 01:23	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			09/17/2016 01:23	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 01:23	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 01:23	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			09/17/2016 01:23	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:23	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			09/17/2016 01:23	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768423 Sample Description: AMW-4 Sampled: 09/07/2016 1308

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 01:23	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			09/17/2016 01:23	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:23	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			09/17/2016 01:23	RLD	EPA 8260C
Tetrahydrofuran	**31**	ug/L	3.0	10	1			09/17/2016 01:23	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			09/17/2016 01:23	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			09/17/2016 01:23	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:23	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 01:23	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 01:23	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			09/17/2016 01:23	RLD	EPA 8260C
1-Methylnaphthalene	<0.16	ug/L	0.16	0.78	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
2-Methylnaphthalene	<0.17	ug/L	0.17	0.78	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Acenaphthene	<0.25	ug/L	0.25	0.83	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.78	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Benzo(a)anthracene	<0.013	ug/L	0.013	0.041	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Benzo(a)pyrene	<0.0073	ug/L	0.0073	0.032	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.091	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Benzo(k)fluoranthene	<0.0063	ug/L	0.0063	0.026	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Fluoranthene	<0.0094	ug/L	0.0094	0.031	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Fluorene	<0.083	ug/L	0.083	0.39	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768423 Sample Description: AMW-4 Sampled: 09/07/2016 1308

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.017	0.065	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Naphthalene	<0.15	ug/L	0.15	0.78	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		09/14/2016 08:00	09/19/2016 23:00	RED	EPA 8310

CT LAB Sample#: 768424 Sample Description: APZ-4 Sampled: 09/07/2016 1306

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**76.9**	ug/L	0.70	2.5	1			09/12/2016 12:51	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/12/2016 12:51	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/12/2016 12:51	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/12/2016 12:51	NAH	EPA 6010C
Dissolved Selenium	**12.7**	ug/L	7.0 *	25	1			09/12/2016 12:51	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/12/2016 12:51	NAH	EPA 6010C
Dissolved Arsenic	<0.60	ug/L	0.60	2.1	1		09/13/2016 08:10	09/13/2016 13:34	MDS	EPA 7010
Dissolved Mercury	**0.23**	ug/L	0.020	0.066	1		09/12/2016 10:40	09/13/2016 09:59	LJF	EPA 7470A
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			09/17/2016 01:52	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			09/17/2016 01:52	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 01:52	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 01:52	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 01:52	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			09/17/2016 01:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768424 Sample Description: APZ-4 Sampled: 09/07/2016 1306

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			09/17/2016 01:52	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			09/17/2016 01:52	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			09/17/2016 01:52	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			09/17/2016 01:52	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 01:52	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			09/17/2016 01:52	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			09/17/2016 01:52	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 01:52	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			09/17/2016 01:52	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:52	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 01:52	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 01:52	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 01:52	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			09/17/2016 01:52	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 01:52	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			09/17/2016 01:52	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:52	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			09/17/2016 01:52	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			09/17/2016 01:52	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			09/17/2016 01:52	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			09/17/2016 01:52	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			09/17/2016 01:52	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 01:52	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 01:52	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768424 Sample Description: APZ-4 Sampled: 09/07/2016 1306

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.70	ug/L	0.70	2.3	1			09/17/2016 01:52	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 01:52	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			09/17/2016 01:52	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			09/17/2016 01:52	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			09/17/2016 01:52	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			09/17/2016 01:52	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			09/17/2016 01:52	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			09/17/2016 01:52	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 01:52	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			09/17/2016 01:52	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:52	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 01:52	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 01:52	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			09/17/2016 01:52	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			09/17/2016 01:52	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			09/17/2016 01:52	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:52	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			09/17/2016 01:52	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			09/17/2016 01:52	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			09/17/2016 01:52	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 01:52	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 01:52	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			09/17/2016 01:52	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:52	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			09/17/2016 01:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768424 Sample Description: APZ-4 Sampled: 09/07/2016 1306

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 01:52	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			09/17/2016 01:52	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:52	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			09/17/2016 01:52	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			09/17/2016 01:52	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			09/17/2016 01:52	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			09/17/2016 01:52	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			09/17/2016 01:52	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 01:52	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 01:52	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			09/17/2016 01:52	RLD	EPA 8260C
1-Methylnaphthalene	<0.17	ug/L	0.17	0.83	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
2-Methylnaphthalene	<0.18	ug/L	0.18	0.83	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Acenaphthene	<0.27	ug/L	0.27	0.89	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Acenaphthylene	<0.19	ug/L	0.19	0.83	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Anthracene	<0.11	ug/L	0.11	0.37	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Benzo(a)anthracene	<0.013	ug/L	0.013	0.043	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Benzo(a)pyrene	<0.0078	ug/L	0.0078	0.034	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Benzo(b)fluoranthene	<0.0056	ug/L	0.0056	0.028	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Benzo(g,h,i)perylene	<0.029	ug/L	0.029	0.097	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Benzo(k)fluoranthene	<0.0067	ug/L	0.0067	0.028	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Chrysene	<0.027	ug/L	0.027	0.14	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.026	ug/L	0.026	0.14	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Fluoranthene	<0.010	ug/L	0.010	0.033	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Fluorene	<0.089	ug/L	0.089	0.41	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768424 Sample Description: APZ-4 Sampled: 09/07/2016 1306

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Indeno(1,2,3-cd)pyrene	<0.018	ug/L	0.018	0.069	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Naphthalene	<0.16	ug/L	0.16	0.83	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Phenanthrene	<0.028	ug/L	0.028	0.14	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310
Pyrene	<0.030	ug/L	0.030	0.14	1		09/14/2016 08:00	09/19/2016 23:27	RED	EPA 8310

CT LAB Sample#: 768425 Sample Description: AMW-5 Sampled: 09/07/2016 1504

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**138**	ug/L	0.70	2.5	1			09/12/2016 12:58	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/12/2016 12:58	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/12/2016 12:58	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1	M		09/12/2016 12:58	NAH	EPA 6010C
Dissolved Selenium	**36.4**	ug/L	7.0	25	1	M		09/12/2016 12:58	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/12/2016 12:58	NAH	EPA 6010C
Dissolved Arsenic	<0.60	ug/L	0.60	2.1	1		09/13/2016 08:10	09/13/2016 13:40	MDS	EPA 7010
Dissolved Mercury	**0.24**	ug/L	0.020	0.066	1		09/12/2016 10:40	09/13/2016 10:01	LJF	EPA 7470A
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			09/17/2016 02:21	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			09/17/2016 02:21	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 02:21	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 02:21	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 02:21	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			09/17/2016 02:21	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768425 Sample Description: AMW-5 Sampled: 09/07/2016 1504

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			09/17/2016 02:21	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			09/17/2016 02:21	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			09/17/2016 02:21	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			09/17/2016 02:21	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 02:21	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			09/17/2016 02:21	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			09/17/2016 02:21	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 02:21	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			09/17/2016 02:21	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:21	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 02:21	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 02:21	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 02:21	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			09/17/2016 02:21	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 02:21	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			09/17/2016 02:21	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:21	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			09/17/2016 02:21	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			09/17/2016 02:21	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			09/17/2016 02:21	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			09/17/2016 02:21	RLD	EPA 8260C
Benzene	**0.33**	ug/L	0.24 *	0.81	1			09/17/2016 02:21	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 02:21	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 02:21	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:21	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768425 Sample Description: AMW-5 Sampled: 09/07/2016 1504

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.70	ug/L	0.70	2.3	1			09/17/2016 02:21	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 02:21	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			09/17/2016 02:21	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			09/17/2016 02:21	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			09/17/2016 02:21	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			09/17/2016 02:21	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			09/17/2016 02:21	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			09/17/2016 02:21	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 02:21	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			09/17/2016 02:21	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:21	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 02:21	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 02:21	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			09/17/2016 02:21	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			09/17/2016 02:21	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			09/17/2016 02:21	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:21	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			09/17/2016 02:21	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			09/17/2016 02:21	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			09/17/2016 02:21	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 02:21	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 02:21	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			09/17/2016 02:21	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:21	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			09/17/2016 02:21	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768425 Sample Description: AMW-5 Sampled: 09/07/2016 1504

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 02:21	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			09/17/2016 02:21	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:21	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			09/17/2016 02:21	RLD	EPA 8260C
Tetrahydrofuran	**5.1**	ug/L	3.0 *	10	1			09/17/2016 02:21	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			09/17/2016 02:21	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			09/17/2016 02:21	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:21	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 02:21	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 02:21	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			09/17/2016 02:21	RLD	EPA 8260C
1-Methylnaphthalene	<0.15	ug/L	0.15	0.77	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Acenaphthene	<0.25	ug/L	0.25	0.82	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.77	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Benzo(a)pyrene	<0.0072	ug/L	0.0072	0.032	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.090	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Benzo(k)fluoranthene	<0.0062	ug/L	0.0062	0.026	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Fluoranthene	<0.0093	ug/L	0.0093	0.031	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768425 Sample Description: AMW-5 Sampled: 09/07/2016 1504

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.064	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		09/14/2016 08:00	09/19/2016 23:53	RED	EPA 8310

CT LAB Sample#: 768426 Sample Description: AMW-6 Sampled: 09/07/2016 1425

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**358**	ug/L	0.70	2.5	1			09/12/2016 13:37	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/12/2016 13:37	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/12/2016 13:37	NAH	EPA 6010C
Dissolved Lead	**1.7**	ug/L	1.3 *	4.2	1			09/12/2016 13:37	NAH	EPA 6010C
Dissolved Selenium	**32.3**	ug/L	7.0	25	1			09/12/2016 13:37	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/12/2016 13:37	NAH	EPA 6010C
Dissolved Arsenic	**1.6**	ug/L	0.60 *	2.1	1		09/13/2016 08:10	09/13/2016 14:10	MDS	EPA 7010
Dissolved Mercury	**0.070**	ug/L	0.020	0.066	1		09/12/2016 10:40	09/13/2016 10:09	LJF	EPA 7470A
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			09/17/2016 02:49	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			09/17/2016 02:49	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 02:49	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 02:49	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 02:49	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			09/17/2016 02:49	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768426 Sample Description: AMW-6 Sampled: 09/07/2016 1425

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			09/17/2016 02:49	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			09/17/2016 02:49	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			09/17/2016 02:49	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			09/17/2016 02:49	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 02:49	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			09/17/2016 02:49	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			09/17/2016 02:49	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 02:49	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			09/17/2016 02:49	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:49	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 02:49	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 02:49	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 02:49	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			09/17/2016 02:49	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 02:49	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			09/17/2016 02:49	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:49	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			09/17/2016 02:49	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			09/17/2016 02:49	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			09/17/2016 02:49	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			09/17/2016 02:49	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			09/17/2016 02:49	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 02:49	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 02:49	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:49	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768426 Sample Description: AMW-6 Sampled: 09/07/2016 1425

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.70	ug/L	0.70	2.3	1			09/17/2016 02:49	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 02:49	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			09/17/2016 02:49	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			09/17/2016 02:49	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			09/17/2016 02:49	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			09/17/2016 02:49	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			09/17/2016 02:49	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			09/17/2016 02:49	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 02:49	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			09/17/2016 02:49	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:49	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 02:49	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 02:49	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			09/17/2016 02:49	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			09/17/2016 02:49	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			09/17/2016 02:49	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:49	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			09/17/2016 02:49	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			09/17/2016 02:49	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			09/17/2016 02:49	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 02:49	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 02:49	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			09/17/2016 02:49	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:49	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			09/17/2016 02:49	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768426 Sample Description: AMW-6 Sampled: 09/07/2016 1425

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 02:49	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			09/17/2016 02:49	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:49	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			09/17/2016 02:49	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			09/17/2016 02:49	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			09/17/2016 02:49	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			09/17/2016 02:49	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			09/17/2016 02:49	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 02:49	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 02:49	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			09/17/2016 02:49	RLD	EPA 8260C
1-Methylnaphthalene	<0.15	ug/L	0.15	0.77	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Acenaphthene	<0.25	ug/L	0.25	0.82	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.77	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Benzo(a)pyrene	<0.0072	ug/L	0.0072	0.032	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.090	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Benzo(k)fluoranthene	<0.0062	ug/L	0.0062	0.026	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Fluoranthene	**0.018**	ug/L	0.0093 *	0.031	1	P	09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768426 Sample Description: AMW-6 Sampled: 09/07/2016 1425

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.064	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Phenanthrene	**0.13**	ug/L	0.026	0.13	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		09/14/2016 08:00	09/20/2016 00:20	RED	EPA 8310

CT LAB Sample#: 768427 Sample Description: AMW-7 Sampled: 09/07/2016 1359

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**90.5**	ug/L	0.70	2.5	1			09/12/2016 13:43	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/12/2016 13:43	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/12/2016 13:43	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/12/2016 13:43	NAH	EPA 6010C
Dissolved Selenium	**41.8**	ug/L	7.0	25	1			09/12/2016 13:43	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/12/2016 13:43	NAH	EPA 6010C
Dissolved Arsenic	**1.9**	ug/L	0.60 *	2.1	1		09/13/2016 08:10	09/13/2016 14:16	MDS	EPA 7010
Dissolved Mercury	**0.24**	ug/L	0.020	0.066	1		09/12/2016 10:40	09/13/2016 10:12	LJF	EPA 7470A
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			09/17/2016 03:17	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			09/17/2016 03:17	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 03:17	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 03:17	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 03:17	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			09/17/2016 03:17	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768427 Sample Description: AMW-7 Sampled: 09/07/2016 1359

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			09/17/2016 03:17	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			09/17/2016 03:17	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			09/17/2016 03:17	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			09/17/2016 03:17	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 03:17	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			09/17/2016 03:17	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			09/17/2016 03:17	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 03:17	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			09/17/2016 03:17	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:17	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 03:17	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 03:17	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 03:17	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			09/17/2016 03:17	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 03:17	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			09/17/2016 03:17	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:17	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			09/17/2016 03:17	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			09/17/2016 03:17	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			09/17/2016 03:17	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			09/17/2016 03:17	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			09/17/2016 03:17	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 03:17	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 03:17	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:17	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768427 Sample Description: AMW-7 Sampled: 09/07/2016 1359

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.70	ug/L	0.70	2.3	1			09/17/2016 03:17	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 03:17	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			09/17/2016 03:17	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			09/17/2016 03:17	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			09/17/2016 03:17	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			09/17/2016 03:17	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			09/17/2016 03:17	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			09/17/2016 03:17	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 03:17	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			09/17/2016 03:17	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:17	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 03:17	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 03:17	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			09/17/2016 03:17	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			09/17/2016 03:17	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			09/17/2016 03:17	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:17	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			09/17/2016 03:17	RLD	EPA 8260C
Methyl tert-butyl ether	**0.51**	ug/L	0.30 *	1.1	1			09/17/2016 03:17	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			09/17/2016 03:17	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 03:17	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 03:17	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			09/17/2016 03:17	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:17	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			09/17/2016 03:17	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768427 Sample Description: AMW-7 Sampled: 09/07/2016 1359

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 03:17	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			09/17/2016 03:17	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:17	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			09/17/2016 03:17	RLD	EPA 8260C
Tetrahydrofuran	**38**	ug/L	3.0	10	1			09/17/2016 03:17	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			09/17/2016 03:17	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			09/17/2016 03:17	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:17	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 03:17	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 03:17	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			09/17/2016 03:17	RLD	EPA 8260C
1-Methylnaphthalene	<0.15	ug/L	0.15	0.77	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Acenaphthene	<0.25	ug/L	0.25	0.82	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.77	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Benzo(a)pyrene	<0.0072	ug/L	0.0072	0.032	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.090	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Benzo(k)fluoranthene	<0.0062	ug/L	0.0062	0.026	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Fluoranthene	<0.0093	ug/L	0.0093	0.031	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768427 Sample Description: AMW-7 Sampled: 09/07/2016 1359

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.064	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		09/14/2016 08:00	09/20/2016 00:46	RED	EPA 8310
Aroclor-1016	<0.18	ug/L	0.18	0.62	1		09/15/2016 08:00	09/24/2016 08:56	JJY	EPA 8082A
Aroclor-1221	<0.18	ug/L	0.18	0.62	1		09/15/2016 08:00	09/24/2016 08:56	JJY	EPA 8082A
Aroclor-1232	<0.19	ug/L	0.19	0.65	1		09/15/2016 08:00	09/24/2016 08:56	JJY	EPA 8082A
Aroclor-1242	<0.092	ug/L	0.092	0.31	1		09/15/2016 08:00	09/24/2016 08:56	JJY	EPA 8082A
Aroclor-1248	<0.11	ug/L	0.11	0.38	1		09/15/2016 08:00	09/24/2016 08:56	JJY	EPA 8082A
Aroclor-1254	<0.082	ug/L	0.082	0.29	1		09/15/2016 08:00	09/24/2016 08:56	JJY	EPA 8082A
Aroclor-1260	<0.051	ug/L	0.051	0.20	1		09/15/2016 08:00	09/24/2016 08:56	JJY	EPA 8082A

CT LAB Sample#: 768428 Sample Description: HMW-7 Sampled: 09/07/2016 1359

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**90.5**	ug/L	0.70	2.5	1			09/12/2016 13:50	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			09/12/2016 13:50	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			09/12/2016 13:50	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			09/12/2016 13:50	NAH	EPA 6010C
Dissolved Selenium	**36.9**	ug/L	7.0	25	1			09/12/2016 13:50	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			09/12/2016 13:50	NAH	EPA 6010C
Dissolved Arsenic	**1.8**	ug/L	0.60 *	2.1	1		09/13/2016 08:10	09/13/2016 14:22	MDS	EPA 7010
Dissolved Mercury	**0.28**	ug/L	0.020	0.066	1		09/12/2016 10:40	09/13/2016 10:14	LJF	EPA 7470A

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768428 Sample Description: HMW-7 Sampled: 09/07/2016 1359

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			09/17/2016 03:46	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			09/17/2016 03:46	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 03:46	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 03:46	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 03:46	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			09/17/2016 03:46	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			09/17/2016 03:46	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			09/17/2016 03:46	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			09/17/2016 03:46	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			09/17/2016 03:46	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 03:46	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			09/17/2016 03:46	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			09/17/2016 03:46	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 03:46	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			09/17/2016 03:46	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:46	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 03:46	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 03:46	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 03:46	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			09/17/2016 03:46	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 03:46	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			09/17/2016 03:46	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:46	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			09/17/2016 03:46	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768428 Sample Description: HMW-7 Sampled: 09/07/2016 1359

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			09/17/2016 03:46	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			09/17/2016 03:46	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			09/17/2016 03:46	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			09/17/2016 03:46	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 03:46	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 03:46	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:46	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			09/17/2016 03:46	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 03:46	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			09/17/2016 03:46	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			09/17/2016 03:46	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			09/17/2016 03:46	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			09/17/2016 03:46	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			09/17/2016 03:46	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			09/17/2016 03:46	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 03:46	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			09/17/2016 03:46	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:46	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 03:46	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 03:46	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			09/17/2016 03:46	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			09/17/2016 03:46	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			09/17/2016 03:46	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:46	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			09/17/2016 03:46	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768428 Sample Description: HMW-7 Sampled: 09/07/2016 1359

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Methyl tert-butyl ether	**0.59**	ug/L	0.30 *	1.1	1			09/17/2016 03:46	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			09/17/2016 03:46	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 03:46	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 03:46	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			09/17/2016 03:46	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:46	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			09/17/2016 03:46	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 03:46	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			09/17/2016 03:46	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:46	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			09/17/2016 03:46	RLD	EPA 8260C
Tetrahydrofuran	**39**	ug/L	3.0	10	1			09/17/2016 03:46	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			09/17/2016 03:46	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			09/17/2016 03:46	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			09/17/2016 03:46	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 03:46	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 03:46	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			09/17/2016 03:46	RLD	EPA 8260C
1-Methylnaphthalene	<0.15	ug/L	0.15	0.77	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Acenaphthene	<0.25	ug/L	0.25	0.82	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.77	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Benzo(a)pyrene	<0.0072	ug/L	0.0072	0.032	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768428 Sample Description: HMW-7 Sampled: 09/07/2016 1359

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.090	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Benzo(k)fluoranthene	<0.0062	ug/L	0.0062	0.026	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Fluoranthene	<0.0093	ug/L	0.0093	0.031	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.064	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		09/14/2016 08:00	09/20/2016 01:12	RED	EPA 8310
Aroclor-1016	<0.19	ug/L	0.19	0.63	1		09/15/2016 08:00	09/24/2016 09:18	JJY	EPA 8082A
Aroclor-1221	<0.19	ug/L	0.19	0.63	1		09/15/2016 08:00	09/24/2016 09:18	JJY	EPA 8082A
Aroclor-1232	<0.20	ug/L	0.20	0.66	1		09/15/2016 08:00	09/24/2016 09:18	JJY	EPA 8082A
Aroclor-1242	<0.093	ug/L	0.093	0.31	1		09/15/2016 08:00	09/24/2016 09:18	JJY	EPA 8082A
Aroclor-1248	<0.11	ug/L	0.11	0.38	1		09/15/2016 08:00	09/24/2016 09:18	JJY	EPA 8082A
Aroclor-1254	<0.082	ug/L	0.082	0.29	1		09/15/2016 08:00	09/24/2016 09:18	JJY	EPA 8082A
Aroclor-1260	<0.052	ug/L	0.052	0.21	1		09/15/2016 08:00	09/24/2016 09:18	JJY	EPA 8082A

CT LAB Sample#: 768429 Sample Description: AMW-8 Sampled: 09/07/2016 1510

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**146**	ug/L	0.70	2.5	1			09/12/2016 13:57	NAH	EPA 6010C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768429 Sample Description: AMW-8 Sampled: 09/07/2016 1510

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Cadmium	<0.40	ug/L	0.40		1.4	1			09/12/2016 13:57	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0		8.0	1			09/12/2016 13:57	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3		4.2	1			09/12/2016 13:57	NAH	EPA 6010C
Dissolved Selenium	**21.0**	ug/L	7.0	*	25	1			09/12/2016 13:57	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5		8.4	1			09/12/2016 13:57	NAH	EPA 6010C
Dissolved Arsenic	**1.0**	ug/L	0.60	*	2.1	1		09/13/2016 08:10	09/13/2016 14:28	MDS	EPA 7010
Dissolved Mercury	**0.27**	ug/L	0.020		0.066	1		09/12/2016 10:40	09/13/2016 10:16	LJF	EPA 7470A
Organic Results											
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60		1.9	1			09/17/2016 04:14	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50		1.8	1			09/17/2016 04:14	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70		2.4	1			09/17/2016 04:14	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40		1.5	1			09/17/2016 04:14	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30		1.1	1			09/17/2016 04:14	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40		1.5	1			09/17/2016 04:14	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70		2.2	1			09/17/2016 04:14	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80		2.6	1			09/17/2016 04:14	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60		1.9	1			09/17/2016 04:14	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50		1.7	1			09/17/2016 04:14	RLD	EPA 8260C
1,2,4-Trimethylbenzene	**32**	ug/L	0.40		1.2	1			09/17/2016 04:14	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70		2.4	1			09/17/2016 04:14	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60		1.8	1			09/17/2016 04:14	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60		1.9	1			09/17/2016 04:14	RLD	EPA 8260C
1,2-Dichloroethane	**10**	ug/L	0.26		0.87	1			09/17/2016 04:14	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40		1.4	1			09/17/2016 04:14	RLD	EPA 8260C
1,3,5-Trimethylbenzene	**1.2**	ug/L	0.40	*	1.3	1			09/17/2016 04:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768429 Sample Description: AMW-8 Sampled: 09/07/2016 1510

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			09/17/2016 04:14	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 04:14	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			09/17/2016 04:14	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			09/17/2016 04:14	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			09/17/2016 04:14	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			09/17/2016 04:14	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			09/17/2016 04:14	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			09/17/2016 04:14	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			09/17/2016 04:14	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			09/17/2016 04:14	RLD	EPA 8260C
Benzene	**420**	ug/L	4.8	16	20			09/17/2016 16:33	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			09/17/2016 04:14	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 04:14	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 04:14	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			09/17/2016 04:14	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			09/17/2016 04:14	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			09/17/2016 04:14	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			09/17/2016 04:14	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			09/17/2016 04:14	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			09/17/2016 04:14	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			09/17/2016 04:14	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			09/17/2016 04:14	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 04:14	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			09/17/2016 04:14	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			09/17/2016 04:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768429 Sample Description: AMW-8 Sampled: 09/07/2016 1510

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromomethane	<0.80	ug/L	0.80	2.5	1			09/17/2016 04:14	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			09/17/2016 04:14	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			09/17/2016 04:14	RLD	EPA 8260C
Ethylbenzene	**88**	ug/L	6.0	22	20			09/17/2016 16:33	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			09/17/2016 04:14	RLD	EPA 8260C
Isopropylbenzene	**10**	ug/L	0.40	1.4	1			09/17/2016 04:14	RLD	EPA 8260C
m & p-Xylene	**5.9**	ug/L	0.50	1.8	1			09/17/2016 04:14	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			09/17/2016 04:14	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			09/17/2016 04:14	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			09/17/2016 04:14	RLD	EPA 8260C
n-Propylbenzene	**3.1**	ug/L	0.50	1.8	1			09/17/2016 04:14	RLD	EPA 8260C
Naphthalene	**23**	ug/L	0.70	2.2	1			09/17/2016 04:14	RLD	EPA 8260C
o-Xylene	**22**	ug/L	0.40	1.4	1			09/17/2016 04:14	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			09/17/2016 04:14	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			09/17/2016 04:14	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			09/17/2016 04:14	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			09/17/2016 04:14	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			09/17/2016 04:14	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			09/17/2016 04:14	RLD	EPA 8260C
Toluene	**1.8**	ug/L	0.30	1.1	1			09/17/2016 04:14	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			09/17/2016 04:14	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			09/17/2016 04:14	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			09/17/2016 04:14	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			09/17/2016 04:14	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			09/17/2016 04:14	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 768429 Sample Description: AMW-8 Sampled: 09/07/2016 1510

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1-Methylnaphthalene	**16**	ug/L	0.15	0.77	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Acenaphthene	**4.0**	ug/L	0.25	0.82	1	P	09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Acenaphthylene	**8.0**	ug/L	0.18	0.77	1	P	09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Benzo(a)pyrene	<0.0072	ug/L	0.0072	0.032	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.090	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Benzo(k)fluoranthene	<0.0062	ug/L	0.0062	0.026	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Fluoranthene	<0.0093	ug/L	0.0093	0.031	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.064	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Naphthalene	**9.3**	ug/L	0.14	0.77	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		09/14/2016 08:00	09/20/2016 02:05	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

QC Qualifiers

Code	Description
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	BOD incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME/CLIENT
19-0558.00	Two Rivers

SAMPLERS: (Signature) William Honea

SAMPLE NO.	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION/ DESCRIPTION	NO. OF CON-TAINERS	Field Filtered: Y — PCB	PAH	VOC	RCRA Metals	REMARKS
AMW-1	9-7-16	1116		✓		5		1	3	1	768411
APZ-1		1116				5		1	3	1	768419
AMW-2		1215				5		1	3	1	768420
APZ-2		1215				5		1	3	1	768421
AMW-3		1350				5		1	3	1	768422
AMW-4		1308				5		1	3	1	768423
APZ-4		1306				5		1	3	1	768424
AMW-5		1504				6		2	3	1	MS/MSD 768425
AMW-6		1425				5		1	3	1	768426
AMW-7		1359				6	1	1	3	1	768427
HMW-7		1359				6	1	1	3	1	768428
AMW-8	↓	1510				5		1	3	1	768429

Folder # 121944
Company AYRES ASSOCIATES
Project TWO RIVERS
Logged By BNA PM EI

Ayres Project Contact: Bill Honea

Ayres Project Manager: Lynn Scherbert

Invoice To: Ayres - Eau Claire

RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)
Jeff Stein	9/8/16 0900			9-9-16 1343	

AYRES ASSOCIATES
3433 Oakwood Hills Parkway, Eau Claire, WI 54702
715.834.3161
5201 E. Terrace Drive, Suite 200, Madison, WI 53718
608.443.1200
N17 W24222 Riverwood Drive, Suite 310, Waukesha, WI 53188
262.523.4488

Shipped on ice: ✓ yes ___ no

Received on ice: X yes ___ no

Temp. if not received on ice: 5.4 9-9-16 1300 BA

COMMENTS:
send EDD

2 coolers

CT LABORATORIES
delivering more than data from your environmental analyses

CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913
608-356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

AYRES ASSOCIATES
BILL HONEA
N17 W24222 RIVERWOOD DR
SUITE 310
WAUKESHA, WI 53188

Project Name: TWO RIVERS
Project Phase:
Contract #: 1451
Project #: 19-0558.00
Folder #: 123765
Purchase Order #:

Arrival Temperature: See COC
Report Date: 12/02/2016
Date Received: 11/18/2016
Reprint Date: 12/02/2016

CT LAB Sample#: 808263 Sample Description: AMW-1 Sampled: 11/17/2016 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**56.6**	ug/L	0.70	2.5	1			11/21/2016 14:40	NAH	EPA 6010C
Dissolved Cadmium	**0.41**	ug/L	0.40 *	1.4	1			11/21/2016 14:40	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			11/21/2016 14:40	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			11/21/2016 14:40	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			11/21/2016 14:40	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			11/21/2016 14:40	NAH	EPA 6010C
Dissolved Arsenic	**4.4**	ug/L	0.60	2.1	1		11/22/2016 08:00	11/28/2016 13:25	MDS	EPA 7010
Dissolved Mercury	**0.12**	ug/L	0.020	0.066	1		11/28/2016 09:35	11/29/2016 10:10	LJF	EPA 7470A
Organic Results										
1-Methylnaphthalene	<0.15	ug/L	0.15	0.77	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Acenaphthene	<0.25	ug/L	0.25	0.82	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.77	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808263 Sample Description: AMW-1 Sampled: 11/17/2016 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Benzo(a)pyrene	<0.0072	ug/L	0.0072	0.032	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.090	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Benzo(k)fluoranthene	<0.0062	ug/L	0.0062	0.026	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Fluoranthene	<0.0093	ug/L	0.0093	0.031	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.064	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		11/22/2016 12:00	11/28/2016 18:01	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			11/22/2016 12:25	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			11/22/2016 12:25	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 12:25	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 12:25	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 12:25	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			11/22/2016 12:25	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			11/22/2016 12:25	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			11/22/2016 12:25	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			11/22/2016 12:25	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/22/2016 12:25	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 12:25	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			11/22/2016 12:25	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			11/22/2016 12:25	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808263 Sample Description: AMW-1 Sampled: 11/17/2016 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 12:25	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			11/22/2016 12:25	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:25	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 12:25	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 12:25	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 12:25	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			11/22/2016 12:25	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 12:25	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			11/22/2016 12:25	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:25	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			11/22/2016 12:25	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			11/22/2016 12:25	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			11/22/2016 12:25	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			11/22/2016 12:25	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			11/22/2016 12:25	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 12:25	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 12:25	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:25	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			11/22/2016 12:25	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 12:25	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			11/22/2016 12:25	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			11/22/2016 12:25	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			11/22/2016 12:25	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z		11/22/2016 12:25	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			11/22/2016 12:25	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808263 Sample Description: AMW-1 Sampled: 11/17/2016 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloromethane	<0.70	ug/L	0.70	2.5	1			11/22/2016 12:25	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 12:25	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			11/22/2016 12:25	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:25	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 12:25	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 12:25	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			11/22/2016 12:25	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/22/2016 12:25	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			11/22/2016 12:25	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:25	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			11/22/2016 12:25	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/22/2016 12:25	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			11/22/2016 12:25	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 12:25	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 12:25	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			11/22/2016 12:25	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:25	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			11/22/2016 12:25	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 12:25	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			11/22/2016 12:25	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:25	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			11/22/2016 12:25	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/22/2016 12:25	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			11/22/2016 12:25	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			11/22/2016 12:25	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808263 Sample Description: AMW-1 Sampled: 11/17/2016 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:25	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 12:25	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 12:25	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			11/22/2016 12:25	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			11/22/2016 12:25	AGK	EPA 8260C

CT LAB Sample#: 808264 Sample Description: APZ-1 Sampled: 11/17/2016 1105

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**34.7**	ug/L	0.70	2.5	1			11/21/2016 14:48	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			11/21/2016 14:48	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			11/21/2016 14:48	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			11/21/2016 14:48	NAH	EPA 6010C
Dissolved Selenium	**10.0**	ug/L	7.0 *	25	1			11/21/2016 14:48	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			11/21/2016 14:48	NAH	EPA 6010C
Dissolved Arsenic	**2.3**	ug/L	0.60	2.1	1		11/22/2016 08:00	11/28/2016 13:31	MDS	EPA 7010
Dissolved Mercury	**0.11**	ug/L	0.020	0.066	1		11/28/2016 09:35	11/29/2016 10:12	LJF	EPA 7470A
Organic Results										
1-Methylnaphthalene	<0.15	ug/L	0.15	0.77	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Acenaphthene	<0.24	ug/L	0.24	0.82	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Acenaphthylene	<0.17	ug/L	0.17	0.77	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808264 Sample Description: APZ-1 Sampled: 11/17/2016 1105

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Benzo(a)pyrene	<0.0071	ug/L	0.0071	0.032	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Benzo(b)fluoranthene	<0.0051	ug/L	0.0051	0.026	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.089	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Benzo(k)fluoranthene	<0.0061	ug/L	0.0061	0.026	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Chrysene	<0.024	ug/L	0.024	0.13	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.023	ug/L	0.023	0.13	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Fluoranthene	<0.0092	ug/L	0.0092	0.031	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.063	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		11/22/2016 12:00	11/28/2016 18:27	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			11/22/2016 12:55	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			11/22/2016 12:55	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 12:55	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 12:55	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 12:55	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			11/22/2016 12:55	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			11/22/2016 12:55	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			11/22/2016 12:55	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			11/22/2016 12:55	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/22/2016 12:55	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 12:55	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			11/22/2016 12:55	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808264 Sample Description: APZ-1 Sampled: 11/17/2016 1105

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			11/22/2016 12:55	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 12:55	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			11/22/2016 12:55	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:55	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 12:55	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 12:55	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 12:55	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			11/22/2016 12:55	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 12:55	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			11/22/2016 12:55	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:55	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			11/22/2016 12:55	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			11/22/2016 12:55	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			11/22/2016 12:55	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			11/22/2016 12:55	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			11/22/2016 12:55	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 12:55	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 12:55	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:55	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			11/22/2016 12:55	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 12:55	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			11/22/2016 12:55	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			11/22/2016 12:55	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			11/22/2016 12:55	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z		11/22/2016 12:55	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808264 Sample Description: APZ-1 Sampled: 11/17/2016 1105

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroform	<0.30	ug/L	0.30	0.90	1			11/22/2016 12:55	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			11/22/2016 12:55	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 12:55	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			11/22/2016 12:55	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:55	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 12:55	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 12:55	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			11/22/2016 12:55	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/22/2016 12:55	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			11/22/2016 12:55	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:55	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			11/22/2016 12:55	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/22/2016 12:55	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			11/22/2016 12:55	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 12:55	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 12:55	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			11/22/2016 12:55	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:55	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			11/22/2016 12:55	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 12:55	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			11/22/2016 12:55	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:55	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			11/22/2016 12:55	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/22/2016 12:55	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			11/22/2016 12:55	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808264 Sample Description: APZ-1 Sampled: 11/17/2016 1105

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			11/22/2016 12:55	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			11/22/2016 12:55	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 12:55	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 12:55	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			11/22/2016 12:55	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			11/22/2016 12:55	AGK	EPA 8260C

CT LAB Sample#: 808265 Sample Description: AMW-3 Sampled: 11/17/2016 1135

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**208**	ug/L	0.70	2.5	1			11/21/2016 14:55	NAH	EPA 6010C
Dissolved Cadmium	**0.97**	ug/L	0.40 *	1.4	1			11/21/2016 14:55	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			11/21/2016 14:55	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			11/21/2016 14:55	NAH	EPA 6010C
Dissolved Selenium	**11.6**	ug/L	7.0 *	25	1			11/21/2016 14:55	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			11/21/2016 14:55	NAH	EPA 6010C
Dissolved Arsenic	**0.96**	ug/L	0.60 *	2.1	1		11/22/2016 08:00	11/28/2016 13:37	MDS	EPA 7010
Dissolved Mercury	**0.11**	ug/L	0.020	0.066	1		11/28/2016 09:35	11/29/2016 10:15	LJF	EPA 7470A
Organic Results										
1-Methylnaphthalene	<0.15	ug/L	0.15	0.77	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Acenaphthene	<0.25	ug/L	0.25	0.82	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.77	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808265 Sample Description: AMW-3 Sampled: 11/17/2016 1135

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Anthracene	<0.10	ug/L	0.10	0.34	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Benzo(a)pyrene	<0.0072	ug/L	0.0072	0.032	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.090	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Benzo(k)fluoranthene	<0.0062	ug/L	0.0062	0.026	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Fluoranthene	<0.0093	ug/L	0.0093	0.031	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.064	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		11/22/2016 12:00	11/28/2016 18:54	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			11/22/2016 13:25	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			11/22/2016 13:25	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 13:25	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 13:25	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 13:25	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			11/22/2016 13:25	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			11/22/2016 13:25	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			11/22/2016 13:25	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			11/22/2016 13:25	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/22/2016 13:25	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 13:25	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808265 Sample Description: AMW-3 Sampled: 11/17/2016 1135

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			11/22/2016 13:25	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			11/22/2016 13:25	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 13:25	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			11/22/2016 13:25	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:25	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 13:25	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 13:25	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 13:25	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			11/22/2016 13:25	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 13:25	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			11/22/2016 13:25	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:25	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			11/22/2016 13:25	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			11/22/2016 13:25	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			11/22/2016 13:25	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			11/22/2016 13:25	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			11/22/2016 13:25	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 13:25	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 13:25	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:25	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			11/22/2016 13:25	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 13:25	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			11/22/2016 13:25	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			11/22/2016 13:25	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			11/22/2016 13:25	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808265 Sample Description: AMW-3 Sampled: 11/17/2016 1135

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z		11/22/2016 13:25	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			11/22/2016 13:25	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			11/22/2016 13:25	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 13:25	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			11/22/2016 13:25	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:25	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 13:25	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 13:25	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			11/22/2016 13:25	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/22/2016 13:25	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			11/22/2016 13:25	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:25	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			11/22/2016 13:25	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/22/2016 13:25	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			11/22/2016 13:25	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 13:25	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 13:25	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			11/22/2016 13:25	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:25	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			11/22/2016 13:25	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 13:25	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			11/22/2016 13:25	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:25	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			11/22/2016 13:25	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/22/2016 13:25	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808265 Sample Description: AMW-3 Sampled: 11/17/2016 1135

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Toluene	<0.30	ug/L	0.30		1.1	1			11/22/2016 13:25	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60		1.9	1			11/22/2016 13:25	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40		1.4	1			11/22/2016 13:25	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30		1.0	1			11/22/2016 13:25	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30		1.1	1			11/22/2016 13:25	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0		11	1			11/22/2016 13:25	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19		0.64	1			11/22/2016 13:25	AGK	EPA 8260C

CT LAB Sample#: 808266 Sample Description: AMW-4 Sampled: 11/17/2016 1220

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results											
Dissolved Barium	**127**	ug/L	0.70		2.5	1			11/21/2016 15:03	NAH	EPA 6010C
Dissolved Cadmium	**1.3**	ug/L	0.40	*	1.4	1			11/21/2016 15:03	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0		8.0	1			11/21/2016 15:03	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3		4.2	1			11/21/2016 15:03	NAH	EPA 6010C
Dissolved Selenium	**11.6**	ug/L	7.0	*	25	1			11/21/2016 15:03	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5		8.4	1			11/21/2016 15:03	NAH	EPA 6010C
Dissolved Arsenic	**1.7**	ug/L	0.60	*	2.1	1		11/22/2016 08:00	11/28/2016 13:43	MDS	EPA 7010
Dissolved Mercury	**0.12**	ug/L	0.020		0.066	1		11/28/2016 09:35	11/29/2016 10:17	LJF	EPA 7470A
Organic Results											
1-Methylnaphthalene	<0.15	ug/L	0.15		0.77	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16		0.77	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Acenaphthene	<0.25	ug/L	0.25		0.82	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808266 Sample Description: AMW-4 Sampled: 11/17/2016 1220

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acenaphthylene	<0.18	ug/L	0.18	0.77	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Benzo(a)pyrene	<0.0072	ug/L	0.0072	0.032	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.090	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Benzo(k)fluoranthene	<0.0062	ug/L	0.0062	0.026	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Fluoranthene	<0.0093	ug/L	0.0093	0.031	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.064	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		11/22/2016 12:00	11/28/2016 19:20	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			11/22/2016 13:54	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			11/22/2016 13:54	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 13:54	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 13:54	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 13:54	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			11/22/2016 13:54	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			11/22/2016 13:54	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			11/22/2016 13:54	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			11/22/2016 13:54	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/22/2016 13:54	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808266 Sample Description: AMW-4 Sampled: 11/17/2016 1220

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 13:54	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			11/22/2016 13:54	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			11/22/2016 13:54	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 13:54	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			11/22/2016 13:54	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:54	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 13:54	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 13:54	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 13:54	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			11/22/2016 13:54	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 13:54	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			11/22/2016 13:54	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:54	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			11/22/2016 13:54	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			11/22/2016 13:54	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			11/22/2016 13:54	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			11/22/2016 13:54	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			11/22/2016 13:54	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 13:54	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 13:54	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:54	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			11/22/2016 13:54	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 13:54	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			11/22/2016 13:54	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			11/22/2016 13:54	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808266 Sample Description: AMW-4 Sampled: 11/17/2016 1220

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			11/22/2016 13:54	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z		11/22/2016 13:54	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			11/22/2016 13:54	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			11/22/2016 13:54	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 13:54	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			11/22/2016 13:54	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:54	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 13:54	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 13:54	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			11/22/2016 13:54	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/22/2016 13:54	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			11/22/2016 13:54	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:54	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			11/22/2016 13:54	AGK	EPA 8260C
Methyl tert-butyl ether	**0.54**	ug/L	0.30 *	1.1	1			11/22/2016 13:54	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			11/22/2016 13:54	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 13:54	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 13:54	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			11/22/2016 13:54	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:54	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			11/22/2016 13:54	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 13:54	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			11/22/2016 13:54	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:54	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			11/22/2016 13:54	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808266 Sample Description: AMW-4 Sampled: 11/17/2016 1220

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Tetrahydrofuran	**41**	ug/L	3.0	10	1			11/22/2016 13:54	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			11/22/2016 13:54	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			11/22/2016 13:54	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			11/22/2016 13:54	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 13:54	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 13:54	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			11/22/2016 13:54	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			11/22/2016 13:54	AGK	EPA 8260C

CT LAB Sample#: 808267 Sample Description: APZ-4 Sampled: 11/17/2016 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**75.7**	ug/L	0.70	2.5	1			11/21/2016 15:10	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			11/21/2016 15:10	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			11/21/2016 15:10	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			11/21/2016 15:10	NAH	EPA 6010C
Dissolved Selenium	**7.3**	ug/L	7.0 *	25	1			11/21/2016 15:10	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			11/21/2016 15:10	NAH	EPA 6010C
Dissolved Arsenic	<0.60	ug/L	0.60	2.1	1		11/22/2016 08:00	11/28/2016 13:49	MDS	EPA 7010
Dissolved Mercury	**0.099**	ug/L	0.020	0.066	1		11/28/2016 09:35	11/29/2016 10:23	LJF	EPA 7470A
Organic Results										
1-Methylnaphthalene	<0.16	ug/L	0.16	0.78	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
2-Methylnaphthalene	<0.17	ug/L	0.17	0.78	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808267 Sample Description: APZ-4 Sampled: 11/17/2016 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acenaphthene	<0.25	ug/L	0.25	0.83	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.78	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Benzo(a)anthracene	<0.013	ug/L	0.013	0.041	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Benzo(a)pyrene	<0.0073	ug/L	0.0073	0.032	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.091	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Benzo(k)fluoranthene	<0.0063	ug/L	0.0063	0.026	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Fluoranthene	<0.0094	ug/L	0.0094	0.031	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Fluorene	<0.083	ug/L	0.083	0.39	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.017	0.065	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Naphthalene	<0.15	ug/L	0.15	0.78	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		11/22/2016 12:00	11/28/2016 20:13	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			11/22/2016 14:24	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			11/22/2016 14:24	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 14:24	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 14:24	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 14:24	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			11/22/2016 14:24	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			11/22/2016 14:24	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			11/22/2016 14:24	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			11/22/2016 14:24	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808267 Sample Description: APZ-4 Sampled: 11/17/2016 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/22/2016 14:24	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 14:24	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			11/22/2016 14:24	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			11/22/2016 14:24	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 14:24	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			11/22/2016 14:24	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:24	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 14:24	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 14:24	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 14:24	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			11/22/2016 14:24	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 14:24	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			11/22/2016 14:24	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:24	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			11/22/2016 14:24	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			11/22/2016 14:24	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			11/22/2016 14:24	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			11/22/2016 14:24	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			11/22/2016 14:24	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 14:24	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 14:24	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:24	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			11/22/2016 14:24	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 14:24	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			11/22/2016 14:24	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808267 Sample Description: APZ-4 Sampled: 11/17/2016 1250

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			11/22/2016 14:24	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			11/22/2016 14:24	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z		11/22/2016 14:24	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			11/22/2016 14:24	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			11/22/2016 14:24	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 14:24	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			11/22/2016 14:24	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:24	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 14:24	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 14:24	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			11/22/2016 14:24	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/22/2016 14:24	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			11/22/2016 14:24	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:24	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			11/22/2016 14:24	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/22/2016 14:24	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			11/22/2016 14:24	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 14:24	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 14:24	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			11/22/2016 14:24	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:24	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			11/22/2016 14:24	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 14:24	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			11/22/2016 14:24	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:24	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808267 Sample Description: APZ-4 Sampled: 11/17/2016 1250

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Tetrachloroethene	<0.50	ug/L	0.50		1.8	1			11/22/2016 14:24	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0		10	1			11/22/2016 14:24	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30		1.1	1			11/22/2016 14:24	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60		1.9	1			11/22/2016 14:24	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40		1.4	1			11/22/2016 14:24	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30		1.0	1			11/22/2016 14:24	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30		1.1	1			11/22/2016 14:24	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0		11	1			11/22/2016 14:24	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19		0.64	1			11/22/2016 14:24	AGK	EPA 8260C

CT LAB Sample#: 808268 Sample Description: AMW-6 Sampled: 11/17/2016 1330

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results											
Dissolved Barium	**386**	ug/L	0.70		2.5	1			11/21/2016 15:18	NAH	EPA 6010C
Dissolved Cadmium	**1.3**	ug/L	0.40	*	1.4	1			11/21/2016 15:18	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0		8.0	1			11/21/2016 15:18	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3		4.2	1			11/21/2016 15:18	NAH	EPA 6010C
Dissolved Selenium	**7.8**	ug/L	7.0	*	25	1			11/21/2016 15:18	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5		8.4	1			11/21/2016 15:18	NAH	EPA 6010C
Dissolved Arsenic	**1.8**	ug/L	0.60	*	2.1	1		11/22/2016 08:00	11/28/2016 13:55	MDS	EPA 7010
Dissolved Mercury	**0.087**	ug/L	0.020		0.066	1		11/28/2016 09:35	11/29/2016 10:25	LJF	EPA 7470A
Organic Results											
1-Methylnaphthalene	<0.15	ug/L	0.15		0.77	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808268 Sample Description: AMW-6 Sampled: 11/17/2016 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Acenaphthene	<0.25	ug/L	0.25	0.82	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.77	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Benzo(a)pyrene	<0.0072	ug/L	0.0072	0.032	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.090	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Benzo(k)fluoranthene	<0.0062	ug/L	0.0062	0.026	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Fluoranthene	**0.11**	ug/L	0.0093	0.031	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.064	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Phenanthrene	**0.095**	ug/L	0.026 *	0.13	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		11/22/2016 12:00	11/28/2016 20:39	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			11/22/2016 14:54	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			11/22/2016 14:54	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 14:54	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 14:54	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 14:54	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			11/22/2016 14:54	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			11/22/2016 14:54	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			11/22/2016 14:54	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808268 Sample Description: AMW-6 Sampled: 11/17/2016 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			11/22/2016 14:54	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/22/2016 14:54	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 14:54	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			11/22/2016 14:54	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			11/22/2016 14:54	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 14:54	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			11/22/2016 14:54	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:54	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 14:54	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 14:54	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 14:54	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			11/22/2016 14:54	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 14:54	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			11/22/2016 14:54	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:54	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			11/22/2016 14:54	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			11/22/2016 14:54	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			11/22/2016 14:54	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			11/22/2016 14:54	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			11/22/2016 14:54	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 14:54	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 14:54	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:54	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			11/22/2016 14:54	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 14:54	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808268 Sample Description: AMW-6 Sampled: 11/17/2016 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			11/22/2016 14:54	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			11/22/2016 14:54	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			11/22/2016 14:54	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z		11/22/2016 14:54	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			11/22/2016 14:54	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			11/22/2016 14:54	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 14:54	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			11/22/2016 14:54	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:54	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 14:54	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 14:54	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			11/22/2016 14:54	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/22/2016 14:54	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			11/22/2016 14:54	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:54	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			11/22/2016 14:54	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/22/2016 14:54	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			11/22/2016 14:54	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 14:54	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 14:54	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			11/22/2016 14:54	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:54	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			11/22/2016 14:54	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 14:54	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			11/22/2016 14:54	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808268 Sample Description: AMW-6 Sampled: 11/17/2016 1330

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:54	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			11/22/2016 14:54	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/22/2016 14:54	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			11/22/2016 14:54	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			11/22/2016 14:54	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			11/22/2016 14:54	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 14:54	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 14:54	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			11/22/2016 14:54	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			11/22/2016 14:54	AGK	EPA 8260C

CT LAB Sample#: 808269 Sample Description: AMW-5 Sampled: 11/17/2016 1405

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**134**	ug/L	0.70	2.5	1			11/21/2016 15:25	NAH	EPA 6010C
Dissolved Cadmium	**0.94**	ug/L	0.40 *	1.4	1			11/21/2016 15:25	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			11/21/2016 15:25	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			11/21/2016 15:25	NAH	EPA 6010C
Dissolved Selenium	**7.4**	ug/L	7.0 *	25	1			11/21/2016 15:25	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			11/21/2016 15:25	NAH	EPA 6010C
Dissolved Arsenic	**1.6**	ug/L	0.60 *	2.1	1		11/22/2016 08:00	11/28/2016 14:13	MDS	EPA 7010
Dissolved Mercury	**0.093**	ug/L	0.020	0.066	1		11/28/2016 09:35	11/29/2016 10:28	LJF	EPA 7470A
Organic Results										

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808269 Sample Description: AMW-5 Sampled: 11/17/2016 1405

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1-Methylnaphthalene	<0.16	ug/L	0.16	0.79	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
2-Methylnaphthalene	<0.17	ug/L	0.17	0.79	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Acenaphthene	<0.25	ug/L	0.25	0.84	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.79	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Anthracene	<0.11	ug/L	0.11	0.35	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Benzo(a)anthracene	<0.013	ug/L	0.013	0.041	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Benzo(a)pyrene	<0.0074	ug/L	0.0074	0.033	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Benzo(b)fluoranthene	<0.0053	ug/L	0.0053	0.026	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.092	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Benzo(k)fluoranthene	<0.0063	ug/L	0.0063	0.026	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Fluoranthene	<0.0095	ug/L	0.0095	0.032	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Fluorene	<0.084	ug/L	0.084	0.39	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.017	0.065	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Naphthalene	<0.15	ug/L	0.15	0.79	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		11/22/2016 12:00	11/28/2016 21:06	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			11/22/2016 15:24	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			11/22/2016 15:24	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 15:24	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 15:24	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 15:24	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			11/22/2016 15:24	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			11/22/2016 15:24	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808269 Sample Description: AMW-5 Sampled: 11/17/2016 1405

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			11/22/2016 15:24	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			11/22/2016 15:24	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/22/2016 15:24	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 15:24	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			11/22/2016 15:24	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			11/22/2016 15:24	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 15:24	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			11/22/2016 15:24	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:24	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 15:24	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 15:24	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 15:24	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			11/22/2016 15:24	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 15:24	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			11/22/2016 15:24	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:24	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			11/22/2016 15:24	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			11/22/2016 15:24	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			11/22/2016 15:24	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			11/22/2016 15:24	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			11/22/2016 15:24	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 15:24	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 15:24	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:24	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			11/22/2016 15:24	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808269 Sample Description: AMW-5 Sampled: 11/17/2016 1405

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromomethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 15:24	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			11/22/2016 15:24	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			11/22/2016 15:24	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			11/22/2016 15:24	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z		11/22/2016 15:24	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			11/22/2016 15:24	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			11/22/2016 15:24	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 15:24	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			11/22/2016 15:24	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:24	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 15:24	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 15:24	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			11/22/2016 15:24	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/22/2016 15:24	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			11/22/2016 15:24	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:24	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			11/22/2016 15:24	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/22/2016 15:24	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			11/22/2016 15:24	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 15:24	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 15:24	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			11/22/2016 15:24	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:24	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			11/22/2016 15:24	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 15:24	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808269 Sample Description: AMW-5 Sampled: 11/17/2016 1405

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Styrene	<0.50	ug/L	0.50	1.7	1			11/22/2016 15:24	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:24	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			11/22/2016 15:24	AGK	EPA 8260C
Tetrahydrofuran	**11**	ug/L	3.0	10	1			11/22/2016 15:24	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			11/22/2016 15:24	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			11/22/2016 15:24	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:24	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 15:24	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 15:24	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			11/22/2016 15:24	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			11/22/2016 15:24	AGK	EPA 8260C

CT LAB Sample#: 808270 Sample Description: AMW-2 Sampled: 11/17/2016 1435

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**272**	ug/L	0.70	2.5	1			11/21/2016 15:33	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			11/21/2016 15:33	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			11/21/2016 15:33	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			11/21/2016 15:33	NAH	EPA 6010C
Dissolved Selenium	**10.2**	ug/L	7.0 *	25	1			11/21/2016 15:33	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			11/21/2016 15:33	NAH	EPA 6010C
Dissolved Arsenic	**1.8**	ug/L	0.60 *	2.1	1		11/22/2016 08:00	11/28/2016 14:19	MDS	EPA 7010
Dissolved Mercury	**0.093**	ug/L	0.020	0.066	1		11/28/2016 09:35	11/29/2016 10:30	LJF	EPA 7470A

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808270 Sample Description: AMW-2 Sampled: 11/17/2016 1435

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1-Methylnaphthalene	**7.5**	ug/L	0.15	0.77	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
2-Methylnaphthalene	**2.8**	ug/L	0.16	0.77	1	P	11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Acenaphthene	**1.4**	ug/L	0.24	0.82	1	P	11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Acenaphthylene	<0.17	ug/L	0.17	0.77	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Benzo(a)pyrene	<0.0071	ug/L	0.0071	0.032	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Benzo(b)fluoranthene	<0.0051	ug/L	0.0051	0.026	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.089	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Benzo(k)fluoranthene	<0.0061	ug/L	0.0061	0.026	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Chrysene	<0.024	ug/L	0.024	0.13	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.023	ug/L	0.023	0.13	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Fluoranthene	<0.0092	ug/L	0.0092	0.031	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Fluorene	**2.2**	ug/L	0.082	0.38	1	P	11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.063	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		11/22/2016 12:00	11/28/2016 21:32	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			11/22/2016 15:53	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			11/22/2016 15:53	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 15:53	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 15:53	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 15:53	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			11/22/2016 15:53	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808270 Sample Description: AMW-2 Sampled: 11/17/2016 1435

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			11/22/2016 15:53	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			11/22/2016 15:53	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			11/22/2016 15:53	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/22/2016 15:53	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 15:53	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			11/22/2016 15:53	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			11/22/2016 15:53	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 15:53	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			11/22/2016 15:53	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:53	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 15:53	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 15:53	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 15:53	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			11/22/2016 15:53	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 15:53	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			11/22/2016 15:53	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:53	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			11/22/2016 15:53	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			11/22/2016 15:53	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			11/22/2016 15:53	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			11/22/2016 15:53	AGK	EPA 8260C
Benzene	**2.0**	ug/L	0.24	0.81	1			11/22/2016 15:53	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 15:53	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 15:53	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:53	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808270 Sample Description: AMW-2 Sampled: 11/17/2016 1435

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.70	ug/L	0.70	2.3	1			11/22/2016 15:53	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 15:53	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			11/22/2016 15:53	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			11/22/2016 15:53	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			11/22/2016 15:53	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z		11/22/2016 15:53	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			11/22/2016 15:53	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			11/22/2016 15:53	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 15:53	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			11/22/2016 15:53	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:53	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 15:53	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 15:53	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			11/22/2016 15:53	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/22/2016 15:53	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			11/22/2016 15:53	AGK	EPA 8260C
Isopropylbenzene	**1.2**	ug/L	0.40 *	1.4	1			11/22/2016 15:53	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			11/22/2016 15:53	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/22/2016 15:53	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			11/22/2016 15:53	AGK	EPA 8260C
n-Butylbenzene	**1.5**	ug/L	0.40	1.2	1			11/22/2016 15:53	AGK	EPA 8260C
n-Propylbenzene	**1.7**	ug/L	0.50 *	1.8	1			11/22/2016 15:53	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			11/22/2016 15:53	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:53	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			11/22/2016 15:53	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808270 Sample Description: AMW-2 Sampled: 11/17/2016 1435

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	**1.3**	ug/L	0.40	1.3	1			11/22/2016 15:53	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			11/22/2016 15:53	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:53	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			11/22/2016 15:53	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/22/2016 15:53	AGK	EPA 8260C
Toluene	**0.40**	ug/L	0.30 *	1.1	1			11/22/2016 15:53	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			11/22/2016 15:53	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			11/22/2016 15:53	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 15:53	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 15:53	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			11/22/2016 15:53	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			11/22/2016 15:53	AGK	EPA 8260C

CT LAB Sample#: 808271 Sample Description: APZ-2 Sampled: 11/17/2016 1505

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**47.5**	ug/L	0.70	2.5	1			11/21/2016 16:03	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			11/21/2016 16:03	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			11/21/2016 16:03	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			11/21/2016 16:03	NAH	EPA 6010C
Dissolved Selenium	**9.2**	ug/L	7.0 *	25	1			11/21/2016 16:03	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			11/21/2016 16:03	NAH	EPA 6010C
Dissolved Arsenic	<0.60	ug/L	0.60	2.1	1		11/22/2016 08:00	11/28/2016 14:25	MDS	EPA 7010

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808271 Sample Description: APZ-2 Sampled: 11/17/2016 1505

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Mercury	**0.11**	ug/L	0.020	0.066	1	M	11/28/2016 09:35	11/29/2016 10:32	LJF	EPA 7470A
Organic Results										
1-Methylnaphthalene	<0.16	ug/L	0.16	0.78	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
2-Methylnaphthalene	<0.17	ug/L	0.17	0.78	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Acenaphthene	<0.25	ug/L	0.25	0.83	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.78	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Benzo(a)anthracene	<0.013	ug/L	0.013	0.041	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Benzo(a)pyrene	<0.0073	ug/L	0.0073	0.032	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.091	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Benzo(k)fluoranthene	<0.0063	ug/L	0.0063	0.026	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Fluoranthene	<0.0094	ug/L	0.0094	0.031	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Fluorene	<0.083	ug/L	0.083	0.39	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.017	0.065	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Naphthalene	<0.15	ug/L	0.15	0.78	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		11/22/2016 12:00	11/28/2016 21:58	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			11/22/2016 16:23	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			11/22/2016 16:23	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 16:23	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 16:23	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808271 Sample Description: APZ-2 Sampled: 11/17/2016 1505

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 16:23	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			11/22/2016 16:23	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			11/22/2016 16:23	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			11/22/2016 16:23	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			11/22/2016 16:23	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/22/2016 16:23	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 16:23	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			11/22/2016 16:23	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			11/22/2016 16:23	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1	Y		11/22/2016 16:23	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			11/22/2016 16:23	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			11/22/2016 16:23	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 16:23	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 16:23	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 16:23	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			11/22/2016 16:23	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 16:23	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			11/22/2016 16:23	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			11/22/2016 16:23	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			11/22/2016 16:23	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			11/22/2016 16:23	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			11/22/2016 16:23	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			11/22/2016 16:23	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			11/22/2016 16:23	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 16:23	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808271 Sample Description: APZ-2 Sampled: 11/17/2016 1505

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 16:23	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 16:23	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			11/22/2016 16:23	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 16:23	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			11/22/2016 16:23	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			11/22/2016 16:23	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			11/22/2016 16:23	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z		11/22/2016 16:23	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			11/22/2016 16:23	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			11/22/2016 16:23	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 16:23	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			11/22/2016 16:23	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 16:23	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 16:23	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 16:23	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			11/22/2016 16:23	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/22/2016 16:23	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			11/22/2016 16:23	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 16:23	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			11/22/2016 16:23	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/22/2016 16:23	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			11/22/2016 16:23	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 16:23	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 16:23	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			11/22/2016 16:23	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808271 Sample Description: APZ-2 Sampled: 11/17/2016 1505

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
o-Xylene	<0.40	ug/L	0.40	1.4	1			11/22/2016 16:23	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			11/22/2016 16:23	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 16:23	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			11/22/2016 16:23	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 16:23	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			11/22/2016 16:23	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/22/2016 16:23	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			11/22/2016 16:23	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			11/22/2016 16:23	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			11/22/2016 16:23	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 16:23	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 16:23	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			11/22/2016 16:23	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			11/22/2016 16:23	AGK	EPA 8260C

CT LAB Sample#: 808272 Sample Description: AMW-8 Sampled: 11/17/2016 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**129**	ug/L	0.70	2.5	1			11/21/2016 16:10	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			11/21/2016 16:10	NAH	EPA 6010C
Dissolved Chromium	**2.7**	ug/L	2.0 *	8.0	1			11/21/2016 16:10	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1	M		11/21/2016 16:10	NAH	EPA 6010C
Dissolved Selenium	**7.2**	ug/L	7.0 *	25	1	M		11/21/2016 16:10	NAH	EPA 6010C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808272 Sample Description: AMW-8 Sampled: 11/17/2016 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Silver	<2.5	ug/L	2.5	8.4	1	M		11/21/2016 16:10	NAH	EPA 6010C
Dissolved Arsenic	**1.3**	ug/L	0.60 *	2.1	1		11/22/2016 08:00	11/28/2016 14:49	MDS	EPA 7010
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		11/28/2016 09:35	11/29/2016 10:41	LJF	EPA 7470A
Organic Results										
1-Methylnaphthalene	**30**	ug/L	0.15	0.77	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Acenaphthene	**7.1**	ug/L	0.24	0.82	1	P	11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Acenaphthylene	<0.17	ug/L	0.17	0.77	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Benzo(a)pyrene	<0.0071	ug/L	0.0071	0.032	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Benzo(b)fluoranthene	<0.0051	ug/L	0.0051	0.026	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.089	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Benzo(k)fluoranthene	<0.0061	ug/L	0.0061	0.026	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Chrysene	<0.024	ug/L	0.024	0.13	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.023	ug/L	0.023	0.13	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Fluoranthene	<0.0092	ug/L	0.0092	0.031	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.063	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Naphthalene	**17**	ug/L	0.14	0.77	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		11/22/2016 12:00	11/28/2016 22:25	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<12	ug/L	12	38	20			11/22/2016 16:53	AGK	EPA 8260C
1,1,1-Trichloroethane	<10	ug/L	10	36	20			11/22/2016 16:53	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808272 Sample Description: AMW-8 Sampled: 11/17/2016 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,2,2-Tetrachloroethane	<14	ug/L	14	48	20			11/22/2016 16:53	AGK	EPA 8260C
1,1,2-Trichloroethane	<8.0	ug/L	8.0	30	20			11/22/2016 16:53	AGK	EPA 8260C
1,1-Dichloroethane	<6.0	ug/L	6.0	22	20			11/22/2016 16:53	AGK	EPA 8260C
1,1-Dichloroethene	<8.0	ug/L	8.0	30	20			11/22/2016 16:53	AGK	EPA 8260C
1,1-Dichloropropene	<14	ug/L	14	44	20			11/22/2016 16:53	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<16	ug/L	16	52	20			11/22/2016 16:53	AGK	EPA 8260C
1,2,3-Trichloropropane	<12	ug/L	12	38	20			11/22/2016 16:53	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<10	ug/L	10	34	20			11/22/2016 16:53	AGK	EPA 8260C
1,2,4-Trimethylbenzene	**26**	ug/L	8.0	24	20			11/22/2016 16:53	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<14	ug/L	14	48	20			11/22/2016 16:53	AGK	EPA 8260C
1,2-Dibromoethane	<12	ug/L	12	36	20			11/22/2016 16:53	AGK	EPA 8260C
1,2-Dichlorobenzene	<12	ug/L	12	38	20			11/22/2016 16:53	AGK	EPA 8260C
1,2-Dichloroethane	**12**	ug/L	5.2 *	17	20			11/22/2016 16:53	AGK	EPA 8260C
1,2-Dichloropropane	<8.0	ug/L	8.0	28	20			11/22/2016 16:53	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<8.0	ug/L	8.0	26	20			11/22/2016 16:53	AGK	EPA 8260C
1,3-Dichlorobenzene	<10	ug/L	10	36	20			11/22/2016 16:53	AGK	EPA 8260C
1,3-Dichloropropane	<10	ug/L	10	32	20			11/22/2016 16:53	AGK	EPA 8260C
1,4-Dichlorobenzene	<12	ug/L	12	40	20			11/22/2016 16:53	AGK	EPA 8260C
2,2-Dichloropropane	<10	ug/L	10	32	20			11/22/2016 16:53	AGK	EPA 8260C
2-Butanone	<80	ug/L	80	280	20			11/22/2016 16:53	AGK	EPA 8260C
2-Chlorotoluene	<8.0	ug/L	8.0	28	20			11/22/2016 16:53	AGK	EPA 8260C
2-Hexanone	<140	ug/L	140	480	20			11/22/2016 16:53	AGK	EPA 8260C
4-Chlorotoluene	<8.0	ug/L	8.0	30	20			11/22/2016 16:53	AGK	EPA 8260C
4-Methyl-2-pentanone	<120	ug/L	120	380	20			11/22/2016 16:53	AGK	EPA 8260C
Acetone	<180	ug/L	180	600	20			11/22/2016 16:53	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808272 Sample Description: AMW-8 Sampled: 11/17/2016 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Benzene	**540**	ug/L	4.8	16	20			11/22/2016 16:53	AGK	EPA 8260C
Bromobenzene	<12	ug/L	12	38	20			11/22/2016 16:53	AGK	EPA 8260C
Bromochloromethane	<16	ug/L	16	50	20			11/22/2016 16:53	AGK	EPA 8260C
Bromodichloromethane	<8.0	ug/L	8.0	28	20			11/22/2016 16:53	AGK	EPA 8260C
Bromoform	<14	ug/L	14	46	20			11/22/2016 16:53	AGK	EPA 8260C
Bromomethane	<14	ug/L	14	48	20			11/22/2016 16:53	AGK	EPA 8260C
Carbon disulfide	<10	ug/L	10	32	20			11/22/2016 16:53	AGK	EPA 8260C
Carbon tetrachloride	<10	ug/L	10	32	20			11/22/2016 16:53	AGK	EPA 8260C
Chlorobenzene	<10	ug/L	10	30	20			11/22/2016 16:53	AGK	EPA 8260C
Chloroethane	<10	ug/L	10	32	20	Z		11/22/2016 16:53	AGK	EPA 8260C
Chloroform	<6.0	ug/L	6.0	18	20			11/22/2016 16:53	AGK	EPA 8260C
Chloromethane	<14	ug/L	14	50	20			11/22/2016 16:53	AGK	EPA 8260C
cis-1,2-Dichloroethene	<6.0	ug/L	6.0	20	20			11/22/2016 16:53	AGK	EPA 8260C
cis-1,3-Dichloropropene	<8.0	ug/L	8.0	24	20			11/22/2016 16:53	AGK	EPA 8260C
Dibromochloromethane	<8.0	ug/L	8.0	28	20			11/22/2016 16:53	AGK	EPA 8260C
Dibromomethane	<16	ug/L	16	50	20			11/22/2016 16:53	AGK	EPA 8260C
Dichlorodifluoromethane	<8.0	ug/L	8.0	30	20			11/22/2016 16:53	AGK	EPA 8260C
Diisopropyl ether	<5.8	ug/L	5.8	19	20			11/22/2016 16:53	AGK	EPA 8260C
Ethylbenzene	**90**	ug/L	6.0	22	20			11/22/2016 16:53	AGK	EPA 8260C
Hexachlorobutadiene	<18	ug/L	18	58	20			11/22/2016 16:53	AGK	EPA 8260C
Isopropylbenzene	**8.4**	ug/L	8.0 *	28	20			11/22/2016 16:53	AGK	EPA 8260C
m & p-Xylene	<10	ug/L	10	36	20			11/22/2016 16:53	AGK	EPA 8260C
Methyl tert-butyl ether	<6.0	ug/L	6.0	22	20			11/22/2016 16:53	AGK	EPA 8260C
Methylene chloride	**19**	ug/L	10 *	34	20			11/22/2016 16:53	AGK	EPA 8260C
n-Butylbenzene	<8.0	ug/L	8.0	24	20			11/22/2016 16:53	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808272 Sample Description: AMW-8 Sampled: 11/17/2016 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
n-Propylbenzene	<10	ug/L	10	36	20			11/22/2016 16:53	AGK	EPA 8260C
Naphthalene	**20**	ug/L	14 *	44	20			11/22/2016 16:53	AGK	EPA 8260C
o-Xylene	**20**	ug/L	8.0 *	28	20			11/22/2016 16:53	AGK	EPA 8260C
p-Isopropyltoluene	<10	ug/L	10	30	20			11/22/2016 16:53	AGK	EPA 8260C
sec-Butylbenzene	<8.0	ug/L	8.0	26	20			11/22/2016 16:53	AGK	EPA 8260C
Styrene	<10	ug/L	10	34	20			11/22/2016 16:53	AGK	EPA 8260C
tert-Butylbenzene	<8.0	ug/L	8.0	28	20			11/22/2016 16:53	AGK	EPA 8260C
Tetrachloroethene	<10	ug/L	10	36	20			11/22/2016 16:53	AGK	EPA 8260C
Tetrahydrofuran	<60	ug/L	60	200	20			11/22/2016 16:53	AGK	EPA 8260C
Toluene	<6.0	ug/L	6.0	22	20			11/22/2016 16:53	AGK	EPA 8260C
trans-1,2-Dichloroethene	<12	ug/L	12	38	20			11/22/2016 16:53	AGK	EPA 8260C
trans-1,3-Dichloropropene	<8.0	ug/L	8.0	28	20			11/22/2016 16:53	AGK	EPA 8260C
Trichloroethene	<6.0	ug/L	6.0	20	20			11/22/2016 16:53	AGK	EPA 8260C
Trichlorofluoromethane	<6.0	ug/L	6.0	22	20			11/22/2016 16:53	AGK	EPA 8260C
Vinyl acetate	<60	ug/L	60	220	20			11/22/2016 16:53	AGK	EPA 8260C
Vinyl chloride	<3.8	ug/L	3.8	13	20			11/22/2016 16:53	AGK	EPA 8260C

CT LAB Sample#: 808273 Sample Description: HMW-8 Sampled: 11/17/2016 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			11/22/2016 17:22	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			11/22/2016 17:22	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 17:22	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808273 Sample Description: HMW-8 Sampled: 11/17/2016 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 17:22	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 17:22	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			11/22/2016 17:22	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			11/22/2016 17:22	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			11/22/2016 17:22	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			11/22/2016 17:22	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/22/2016 17:22	AGK	EPA 8260C
1,2,4-Trimethylbenzene	**33**	ug/L	0.40	1.2	1			11/22/2016 17:22	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			11/22/2016 17:22	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			11/22/2016 17:22	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 17:22	AGK	EPA 8260C
1,2-Dichloroethane	**14**	ug/L	0.26	0.87	1			11/22/2016 17:22	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			11/22/2016 17:22	AGK	EPA 8260C
1,3,5-Trimethylbenzene	**1.4**	ug/L	0.40	1.3	1			11/22/2016 17:22	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 17:22	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 17:22	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			11/22/2016 17:22	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 17:22	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			11/22/2016 17:22	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			11/22/2016 17:22	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			11/22/2016 17:22	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			11/22/2016 17:22	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			11/22/2016 17:22	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			11/22/2016 17:22	AGK	EPA 8260C
Benzene	**560**	ug/L	2.4	8.1	10			11/23/2016 12:28	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808273 Sample Description: HMW-8 Sampled: 11/17/2016 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 17:22	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 17:22	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 17:22	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			11/22/2016 17:22	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 17:22	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			11/22/2016 17:22	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			11/22/2016 17:22	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			11/22/2016 17:22	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z		11/22/2016 17:22	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			11/22/2016 17:22	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			11/22/2016 17:22	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 17:22	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			11/22/2016 17:22	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 17:22	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 17:22	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 17:22	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			11/22/2016 17:22	AGK	EPA 8260C
Ethylbenzene	**110**	ug/L	3.0	11	10			11/23/2016 12:28	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			11/22/2016 17:22	AGK	EPA 8260C
Isopropylbenzene	**11**	ug/L	0.40	1.4	1			11/22/2016 17:22	AGK	EPA 8260C
m & p-Xylene	**4.9**	ug/L	0.50	1.8	1			11/22/2016 17:22	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/22/2016 17:22	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			11/22/2016 17:22	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 17:22	AGK	EPA 8260C
n-Propylbenzene	**3.5**	ug/L	0.50	1.8	1			11/22/2016 17:22	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808273 Sample Description: HMW-8 Sampled: 11/17/2016 1550

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Naphthalene	**28**	ug/L	0.70	2.2	1			11/22/2016 17:22	AGK	EPA 8260C
o-Xylene	**25**	ug/L	0.40	1.4	1			11/22/2016 17:22	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			11/22/2016 17:22	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 17:22	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			11/22/2016 17:22	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 17:22	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			11/22/2016 17:22	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/22/2016 17:22	AGK	EPA 8260C
Toluene	**2.4**	ug/L	0.30	1.1	1			11/22/2016 17:22	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			11/22/2016 17:22	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			11/22/2016 17:22	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 17:22	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 17:22	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			11/22/2016 17:22	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			11/22/2016 17:22	AGK	EPA 8260C

CT LAB Sample#: 808274 Sample Description: TRIP BLANK Sampled: 11/17/2016

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			11/22/2016 11:55	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			11/22/2016 11:55	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 11:55	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 11:55	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808274 Sample Description: TRIP BLANK Sampled: 11/17/2016

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 11:55	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			11/22/2016 11:55	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			11/22/2016 11:55	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			11/22/2016 11:55	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			11/22/2016 11:55	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			11/22/2016 11:55	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 11:55	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			11/22/2016 11:55	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			11/22/2016 11:55	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 11:55	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			11/22/2016 11:55	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			11/22/2016 11:55	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 11:55	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 11:55	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 11:55	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			11/22/2016 11:55	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			11/22/2016 11:55	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			11/22/2016 11:55	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			11/22/2016 11:55	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			11/22/2016 11:55	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			11/22/2016 11:55	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			11/22/2016 11:55	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			11/22/2016 11:55	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			11/22/2016 11:55	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			11/22/2016 11:55	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808274 Sample Description: TRIP BLANK Sampled: 11/17/2016

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 11:55	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 11:55	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			11/22/2016 11:55	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			11/22/2016 11:55	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			11/22/2016 11:55	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			11/22/2016 11:55	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			11/22/2016 11:55	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Z		11/22/2016 11:55	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			11/22/2016 11:55	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			11/22/2016 11:55	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 11:55	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			11/22/2016 11:55	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			11/22/2016 11:55	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			11/22/2016 11:55	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			11/22/2016 11:55	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			11/22/2016 11:55	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			11/22/2016 11:55	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			11/22/2016 11:55	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 11:55	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			11/22/2016 11:55	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			11/22/2016 11:55	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			11/22/2016 11:55	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			11/22/2016 11:55	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			11/22/2016 11:55	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			11/22/2016 11:55	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 808274 Sample Description: TRIP BLANK Sampled: 11/17/2016

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
o-Xylene	<0.40	ug/L	0.40	1.4	1			11/22/2016 11:55	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			11/22/2016 11:55	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			11/22/2016 11:55	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			11/22/2016 11:55	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			11/22/2016 11:55	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			11/22/2016 11:55	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			11/22/2016 11:55	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			11/22/2016 11:55	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			11/22/2016 11:55	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			11/22/2016 11:55	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			11/22/2016 11:55	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			11/22/2016 11:55	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			11/22/2016 11:55	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			11/22/2016 11:55	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

QC Qualifiers

Code	Description
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	BOD incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Kansas NELAP ID# E-10368
Kentucky ID# 0023
ISO/IEC 17025-2005 A2LA Cert # 3806.01
North Carolina ID# 674
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID E871111, Expires Annually
Louisiana ID # 115843
Virginia ID# 7608
Illinois NELAP ID # 002413
Wisconsin (WOSB) ID# WI-5499-WBE
Maryland ID# 344

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME/CLIENT
19-0558.00	Two Rivers

SAMPLERS: (*Signature*) William Honea

Field Filtered: N N Y

SAMPLE NO.	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION/ DESCRIPTION	NO. OF CON-TAINERS	VOCs	PAHs	diss. RCRA Metals							REMARKS
AMW-1	11/17/16	1030		X	AMW-1	5	3	1	1							808263
APZ-1	11/17/16	1105		X	APZ-1	5	3	1	1							808264
AMW-3	11/17/16	1135		X	AMW-3	5	3	1	1							808265
AMW-4	11/17/16	1220		X	AMW-4	5	3	1	1							808266
APZ-4	11/17/16	1250		X	APZ-4	5	3	1	1							808267
AMW-6	11/17/16	1330		X	AMW-6	5	3	1	1							808268
AMW-5	11/17/16	1405		X	AMW-5	5	3	1	1							808269
AMW-2	11/17/16	1435		X	AMW-2	5	3	1	1							808270
APZ-2	11/17/16	1505		X	APZ-2	7	3	3	1							4b MS/MSD for PAHs 808271
AMW-8	11/17/16	1550		X	AMW-8	5	3	1	1							808272
HMW-8	11/17/16	1550		X	HMW-8	3	3									808273
TB-1	11/17/16	———			Trip Blank	2	2									808274

Folder # 123765
Company: AYRES ASSOCIATES
Project TWO RIVERS
Logged By: BNA PM ET

Ayres Project Contact: Bill Honea

Project Manager: Lynn Scherbert

Invoice To:

RELINQUISHED BY: (*Signature*)	DATE / TIME	RECEIVED BY: (*Signature*)	RELINQUISHED BY: (*Signature*)	DATE / TIME	RECEIVED BY: (*Signature*)
	11-18-16 0935				

AYRES ASSOCIATES
3433 Oakwood Hills Parkway, Eau Claire, WI 54702
715.834.3161
5201 E. Terrace Drive, Suite 200, Madison, WI 53718
608.443.1200
N17 W24222 Riverwood Drive, Suite 310, Waukesha, WI 53188
262.523.4488

Shipped on ice: ✓ yes ___ no

Received on ice: X yes ___ no

Temp. if not received on ice: ___

COMMENTS:
2 Coolers
3827 & 5830

0.9° & 1.6° ir #14 11/18/16 0820 JS

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ANALYTICAL REPORT

AYRES ASSOCIATES
BILL HONEA
N17 W24222 RIVERWOOD DR
SUITE 310
WAUKESHA, WI 53188-1132

Project Name: TWO RIVERS
Project Phase:
Contract #: 1452
Project #: 19-0558-00
Folder #: 124867
Purchase Order #:

Arrival Temperature: See COC
Report Date: 01/31/2017
Date Received: 01/18/2017
Reprint Date: 01/31/2017

CT LAB Sample#: 828393 Sample Description: AMW-1 Sampled: 01/16/2017 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**69.3**	ug/L	0.70	2.5	1			01/19/2017 00:31	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			01/19/2017 00:31	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			01/19/2017 00:31	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			01/19/2017 00:31	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			01/19/2017 00:31	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			01/19/2017 00:31	NAH	EPA 6010C
Dissolved Arsenic	**2.7**	ug/L	0.60	2.1	1		01/19/2017 08:00	01/20/2017 12:49	MDS	EPA 7010
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		01/26/2017 10:30	01/27/2017 09:01	LJF	EPA 7470A
Organic Results										
1-Methylnaphthalene	<0.15	ug/L	0.15	0.77	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Acenaphthene	<0.24	ug/L	0.24	0.82	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Acenaphthylene	<0.17	ug/L	0.17	0.77	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828393 Sample Description: AMW-1 Sampled: 01/16/2017 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Benzo(a)pyrene	<0.0071	ug/L	0.0071	0.032	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Benzo(b)fluoranthene	<0.0051	ug/L	0.0051	0.026	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.089	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Benzo(k)fluoranthene	<0.0061	ug/L	0.0061	0.026	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Chrysene	<0.024	ug/L	0.024	0.13	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.023	ug/L	0.023	0.13	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Fluoranthene	<0.0092	ug/L	0.0092	0.031	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.063	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		01/23/2017 07:45	01/26/2017 19:14	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			01/18/2017 15:56	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			01/18/2017 15:56	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 15:56	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 15:56	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 15:56	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			01/18/2017 15:56	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			01/18/2017 15:56	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			01/18/2017 15:56	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			01/18/2017 15:56	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			01/18/2017 15:56	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 15:56	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			01/18/2017 15:56	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			01/18/2017 15:56	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828393 Sample Description: AMW-1 Sampled: 01/16/2017 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 15:56	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			01/18/2017 15:56	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:56	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 15:56	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 15:56	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 15:56	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			01/18/2017 15:56	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 15:56	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			01/18/2017 15:56	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:56	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			01/18/2017 15:56	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			01/18/2017 15:56	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			01/18/2017 15:56	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			01/18/2017 15:56	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			01/18/2017 15:56	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 15:56	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 15:56	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:56	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			01/18/2017 15:56	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 15:56	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			01/18/2017 15:56	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			01/18/2017 15:56	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			01/18/2017 15:56	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			01/18/2017 15:56	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			01/18/2017 15:56	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828393 Sample Description: AMW-1 Sampled: 01/16/2017 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloromethane	<0.70	ug/L	0.70	2.5	1			01/18/2017 15:56	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 15:56	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			01/18/2017 15:56	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:56	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 15:56	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 15:56	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			01/18/2017 15:56	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			01/18/2017 15:56	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			01/18/2017 15:56	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:56	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			01/18/2017 15:56	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			01/18/2017 15:56	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			01/18/2017 15:56	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 15:56	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 15:56	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			01/18/2017 15:56	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:56	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			01/18/2017 15:56	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 15:56	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			01/18/2017 15:56	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:56	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			01/18/2017 15:56	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			01/18/2017 15:56	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			01/18/2017 15:56	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			01/18/2017 15:56	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828393 Sample Description: AMW-1 Sampled: 01/16/2017 1120

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:56	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 15:56	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 15:56	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			01/18/2017 15:56	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			01/18/2017 15:56	RLD	EPA 8260C

CT LAB Sample#: 828398 Sample Description: APZ-1 Sampled: 01/16/2017 1150

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**39.3**	ug/L	0.70	2.5	1			01/19/2017 00:38	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			01/19/2017 00:38	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			01/19/2017 00:38	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			01/19/2017 00:38	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			01/19/2017 00:38	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			01/19/2017 00:38	NAH	EPA 6010C
Dissolved Arsenic	**1.4**	ug/L	0.60 *	2.1	1		01/19/2017 08:00	01/20/2017 12:55	MDS	EPA 7010
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		01/26/2017 10:30	01/27/2017 09:03	LJF	EPA 7470A
Organic Results										
1-Methylnaphthalene	<0.15	ug/L	0.15	0.76	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.76	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Acenaphthene	<0.24	ug/L	0.24	0.81	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Acenaphthylene	<0.17	ug/L	0.17	0.76	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.33	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828398 Sample Description: APZ-1 Sampled: 01/16/2017 1150

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Benzo(a)anthracene	<0.012	ug/L	0.012	0.039	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Benzo(a)pyrene	<0.0071	ug/L	0.0071	0.031	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Benzo(b)fluoranthene	<0.0051	ug/L	0.0051	0.025	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Benzo(g,h,i)perylene	<0.026	ug/L	0.026	0.088	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Benzo(k)fluoranthene	<0.0061	ug/L	0.0061	0.025	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Chrysene	<0.024	ug/L	0.024	0.13	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.023	ug/L	0.023	0.13	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Fluoranthene	<0.0091	ug/L	0.0091	0.030	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Fluorene	<0.081	ug/L	0.081	0.37	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.063	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.76	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Phenanthrene	<0.025	ug/L	0.025	0.13	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
Pyrene	<0.027	ug/L	0.027	0.13	1		01/23/2017 07:45	01/26/2017 19:41	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			01/18/2017 16:24	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			01/18/2017 16:24	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 16:24	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 16:24	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 16:24	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			01/18/2017 16:24	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			01/18/2017 16:24	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			01/18/2017 16:24	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			01/18/2017 16:24	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			01/18/2017 16:24	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 16:24	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			01/18/2017 16:24	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828398 Sample Description: APZ-1 Sampled: 01/16/2017 1150

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			01/18/2017 16:24	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 16:24	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			01/18/2017 16:24	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			01/18/2017 16:24	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 16:24	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 16:24	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 16:24	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			01/18/2017 16:24	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 16:24	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			01/18/2017 16:24	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			01/18/2017 16:24	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			01/18/2017 16:24	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			01/18/2017 16:24	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			01/18/2017 16:24	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			01/18/2017 16:24	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			01/18/2017 16:24	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 16:24	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 16:24	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 16:24	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			01/18/2017 16:24	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 16:24	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			01/18/2017 16:24	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			01/18/2017 16:24	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			01/18/2017 16:24	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			01/18/2017 16:24	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828398 Sample Description: APZ-1 Sampled: 01/16/2017 1150

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroform	<0.30	ug/L	0.30	0.90	1			01/18/2017 16:24	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			01/18/2017 16:24	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 16:24	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			01/18/2017 16:24	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 16:24	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 16:24	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 16:24	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			01/18/2017 16:24	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			01/18/2017 16:24	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			01/18/2017 16:24	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 16:24	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			01/18/2017 16:24	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			01/18/2017 16:24	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			01/18/2017 16:24	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 16:24	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 16:24	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			01/18/2017 16:24	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			01/18/2017 16:24	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			01/18/2017 16:24	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 16:24	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			01/18/2017 16:24	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 16:24	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			01/18/2017 16:24	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			01/18/2017 16:24	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			01/18/2017 16:24	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828398 Sample Description: APZ-1 Sampled: 01/16/2017 1150

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			01/18/2017 16:24	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			01/18/2017 16:24	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 16:24	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 16:24	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			01/18/2017 16:24	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			01/18/2017 16:24	RLD	EPA 8260C

CT LAB Sample#: 828399 Sample Description: AMW-2 Sampled: 01/16/2017 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**334**	ug/L	0.70	2.5	1			01/19/2017 00:45	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			01/19/2017 00:45	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			01/19/2017 00:45	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			01/19/2017 00:45	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			01/19/2017 00:45	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			01/19/2017 00:45	NAH	EPA 6010C
Dissolved Arsenic	**2.1**	ug/L	0.60	2.1	1		01/19/2017 08:00	01/20/2017 13:01	MDS	EPA 7010
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		01/26/2017 10:30	01/27/2017 09:05	LJF	EPA 7470A
Organic Results										
1-Methylnaphthalene	**5.9**	ug/L	0.15	0.75	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
2-Methylnaphthalene	**2.8**	ug/L	0.16	0.75	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Acenaphthene	<0.24	ug/L	0.24	0.80	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Acenaphthylene	<0.17	ug/L	0.17	0.75	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828399 Sample Description: AMW-2 Sampled: 01/16/2017 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Anthracene	**0.14**	ug/L	0.10 *	0.33	1	P	01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.039	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Benzo(a)pyrene	<0.0070	ug/L	0.0070	0.031	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Benzo(b)fluoranthene	<0.0050	ug/L	0.0050	0.025	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Benzo(g,h,i)perylene	<0.026	ug/L	0.026	0.087	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Benzo(k)fluoranthene	<0.0060	ug/L	0.0060	0.025	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Chrysene	<0.024	ug/L	0.024	0.13	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.023	ug/L	0.023	0.13	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Fluoranthene	**0.73**	ug/L	0.0090	0.030	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Fluorene	**2.3**	ug/L	0.080	0.37	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.062	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Naphthalene	**0.22**	ug/L	0.14 *	0.75	1	P	01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Phenanthrene	**0.42**	ug/L	0.025	0.13	1	P	01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
Pyrene	**1.3**	ug/L	0.027	0.13	1		01/23/2017 07:45	01/26/2017 20:07	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			01/18/2017 18:43	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			01/18/2017 18:43	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 18:43	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 18:43	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 18:43	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			01/18/2017 18:43	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			01/18/2017 18:43	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			01/18/2017 18:43	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			01/18/2017 18:43	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			01/18/2017 18:43	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 18:43	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828399 Sample Description: AMW-2 Sampled: 01/16/2017 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			01/18/2017 18:43	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			01/18/2017 18:43	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 18:43	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			01/18/2017 18:43	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:43	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 18:43	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 18:43	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 18:43	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			01/18/2017 18:43	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 18:43	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			01/18/2017 18:43	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:43	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			01/18/2017 18:43	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			01/18/2017 18:43	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			01/18/2017 18:43	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			01/18/2017 18:43	RLD	EPA 8260C
Benzene	**3.3**	ug/L	0.24	0.81	1			01/18/2017 18:43	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 18:43	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 18:43	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:43	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			01/18/2017 18:43	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 18:43	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			01/18/2017 18:43	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			01/18/2017 18:43	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			01/18/2017 18:43	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828399 Sample Description: AMW-2 Sampled: 01/16/2017 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroethane	<0.50	ug/L	0.50	1.6	1			01/18/2017 18:43	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			01/18/2017 18:43	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			01/18/2017 18:43	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 18:43	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			01/18/2017 18:43	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:43	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 18:43	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 18:43	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			01/18/2017 18:43	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			01/18/2017 18:43	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			01/18/2017 18:43	RLD	EPA 8260C
Isopropylbenzene	**1.8**	ug/L	0.40	1.4	1			01/18/2017 18:43	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			01/18/2017 18:43	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			01/18/2017 18:43	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			01/18/2017 18:43	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 18:43	RLD	EPA 8260C
n-Propylbenzene	**2.5**	ug/L	0.50	1.8	1			01/18/2017 18:43	RLD	EPA 8260C
Naphthalene	**1.1**	ug/L	0.70 *	2.2	1			01/18/2017 18:43	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:43	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			01/18/2017 18:43	RLD	EPA 8260C
sec-Butylbenzene	**1.7**	ug/L	0.40	1.3	1			01/18/2017 18:43	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			01/18/2017 18:43	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:43	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			01/18/2017 18:43	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			01/18/2017 18:43	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828399 Sample Description: AMW-2 Sampled: 01/16/2017 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Toluene	**0.50**	ug/L	0.30 *	1.1	1			01/18/2017 18:43	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			01/18/2017 18:43	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:43	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 18:43	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 18:43	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			01/18/2017 18:43	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			01/18/2017 18:43	RLD	EPA 8260C

CT LAB Sample#: 828400 Sample Description: APZ-2 Sampled: 01/16/2017 1235

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**50.9**	ug/L	0.70	2.5	1			01/19/2017 00:52	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			01/19/2017 00:52	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			01/19/2017 00:52	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			01/19/2017 00:52	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			01/19/2017 00:52	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			01/19/2017 00:52	NAH	EPA 6010C
Dissolved Arsenic	<0.60	ug/L	0.60	2.1	1		01/19/2017 08:00	01/20/2017 13:07	MDS	EPA 7010
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1	M,Y	01/26/2017 10:30	01/27/2017 09:07	LJF	EPA 7470A
Organic Results										
1-Methylnaphthalene	<0.15	ug/L	0.15	0.77	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Acenaphthene	<0.24	ug/L	0.24	0.82	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828400 Sample Description: APZ-2 Sampled: 01/16/2017 1235

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acenaphthylene	<0.17	ug/L	0.17	0.77	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Benzo(a)pyrene	<0.0071	ug/L	0.0071	0.032	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Benzo(b)fluoranthene	<0.0051	ug/L	0.0051	0.026	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.089	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Benzo(k)fluoranthene	<0.0061	ug/L	0.0061	0.026	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Chrysene	<0.024	ug/L	0.024	0.13	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.023	ug/L	0.023	0.13	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Fluoranthene	<0.0092	ug/L	0.0092	0.031	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.063	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		01/23/2017 07:45	01/26/2017 20:34	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1	Y		01/18/2017 16:52	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1	Y		01/18/2017 16:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828400 Sample Description: APZ-2 Sampled: 01/16/2017 1235

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1	Y		01/18/2017 16:52	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1	Y		01/18/2017 16:52	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1	Y		01/18/2017 16:52	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1	Y		01/18/2017 16:52	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1	Y		01/18/2017 16:52	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1	Y		01/18/2017 16:52	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1	Y		01/18/2017 16:52	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			01/18/2017 16:52	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1	Y		01/18/2017 16:52	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 16:52	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1	Y		01/18/2017 16:52	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828400 Sample Description: APZ-2 Sampled: 01/16/2017 1235

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chlorobenzene	<0.50	ug/L	0.50	1.5	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1	Y		01/18/2017 16:52	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1	Y		01/18/2017 16:52	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1	Y		01/18/2017 16:52	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1	Y		01/18/2017 16:52	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1	Y		01/18/2017 16:52	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1	Y		01/18/2017 16:52	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1	Y		01/18/2017 16:52	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1	Y		01/18/2017 16:52	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			01/18/2017 16:52	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1	Y		01/18/2017 16:52	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1	Y		01/18/2017 16:52	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1	Y		01/18/2017 16:52	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1	Y		01/18/2017 16:52	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828400 Sample Description: APZ-2 Sampled: 01/16/2017 1235

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Tetrahydrofuran	<3.0	ug/L	3.0	10	1	Y		01/18/2017 16:52	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1	M,Y		01/18/2017 16:52	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1	Y		01/18/2017 16:52	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1	Y		01/18/2017 16:52	RLD	EPA 8260C

CT LAB Sample#: 828401 Sample Description: AMW-3 Sampled: 01/16/2017 1555

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**198**	ug/L	0.70	2.5	1			01/19/2017 01:31	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			01/19/2017 01:31	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			01/19/2017 01:31	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			01/19/2017 01:31	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			01/19/2017 01:31	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			01/19/2017 01:31	NAH	EPA 6010C
Dissolved Arsenic	**0.67**	ug/L	0.60 *	2.1	1		01/19/2017 08:00	01/20/2017 13:37	MDS	EPA 7010
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		01/26/2017 10:30	01/27/2017 09:16	LJF	EPA 7470A
Organic Results										
1-Methylnaphthalene	<0.15	ug/L	0.15	0.77	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828401 Sample Description: AMW-3 Sampled: 01/16/2017 1555

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acenaphthene	<0.25	ug/L	0.25	0.82	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Acenaphthylene	<0.18	ug/L	0.18	0.77	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.34	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Benzo(a)pyrene	<0.0072	ug/L	0.0072	0.032	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Benzo(b)fluoranthene	<0.0052	ug/L	0.0052	0.026	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.090	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Benzo(k)fluoranthene	<0.0062	ug/L	0.0062	0.026	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Chrysene	<0.025	ug/L	0.025	0.13	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.024	ug/L	0.024	0.13	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Fluoranthene	<0.0093	ug/L	0.0093	0.031	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.064	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		01/23/2017 07:45	01/26/2017 21:00	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			01/18/2017 17:20	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			01/18/2017 17:20	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 17:20	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 17:20	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 17:20	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			01/18/2017 17:20	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			01/18/2017 17:20	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			01/18/2017 17:20	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			01/18/2017 17:20	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828401 Sample Description: AMW-3 Sampled: 01/16/2017 1555

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			01/18/2017 17:20	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 17:20	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			01/18/2017 17:20	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			01/18/2017 17:20	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 17:20	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			01/18/2017 17:20	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:20	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 17:20	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 17:20	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 17:20	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			01/18/2017 17:20	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 17:20	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			01/18/2017 17:20	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:20	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			01/18/2017 17:20	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			01/18/2017 17:20	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			01/18/2017 17:20	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			01/18/2017 17:20	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			01/18/2017 17:20	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 17:20	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 17:20	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:20	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			01/18/2017 17:20	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 17:20	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			01/18/2017 17:20	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828401 Sample Description: AMW-3 Sampled: 01/16/2017 1555

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			01/18/2017 17:20	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			01/18/2017 17:20	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			01/18/2017 17:20	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			01/18/2017 17:20	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			01/18/2017 17:20	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 17:20	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			01/18/2017 17:20	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:20	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 17:20	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 17:20	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			01/18/2017 17:20	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			01/18/2017 17:20	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			01/18/2017 17:20	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:20	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			01/18/2017 17:20	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			01/18/2017 17:20	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			01/18/2017 17:20	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 17:20	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 17:20	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			01/18/2017 17:20	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:20	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			01/18/2017 17:20	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 17:20	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			01/18/2017 17:20	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:20	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828401 Sample Description: AMW-3 Sampled: 01/16/2017 1555

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			01/18/2017 17:20	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			01/18/2017 17:20	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			01/18/2017 17:20	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			01/18/2017 17:20	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:20	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 17:20	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 17:20	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			01/18/2017 17:20	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			01/18/2017 17:20	RLD	EPA 8260C

CT LAB Sample#: 828402 Sample Description: AMW-4 Sampled: 01/16/2017 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**197**	ug/L	0.70	2.5	1			01/19/2017 01:38	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			01/19/2017 01:38	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			01/19/2017 01:38	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			01/19/2017 01:38	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			01/19/2017 01:38	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			01/19/2017 01:38	NAH	EPA 6010C
Dissolved Arsenic	**9.4**	ug/L	0.60	2.1	1		01/19/2017 08:00	01/20/2017 13:43	MDS	EPA 7010
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		01/26/2017 10:30	01/27/2017 09:22	LJF	EPA 7470A
Organic Results										
1-Methylnaphthalene	<0.15	ug/L	0.15	0.77	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828402 Sample Description: AMW-4 Sampled: 01/16/2017 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
2-Methylnaphthalene	<0.16	ug/L	0.16	0.77	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Acenaphthene	<0.24	ug/L	0.24	0.82	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Acenaphthylene	<0.17	ug/L	0.17	0.77	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Anthracene	**0.37**	ug/L	0.10	0.34	1	P	01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.040	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Benzo(a)pyrene	<0.0071	ug/L	0.0071	0.032	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Benzo(b)fluoranthene	<0.0051	ug/L	0.0051	0.026	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Benzo(g,h,i)perylene	<0.027	ug/L	0.027	0.089	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Benzo(k)fluoranthene	<0.0061	ug/L	0.0061	0.026	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Chrysene	<0.024	ug/L	0.024	0.13	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.023	ug/L	0.023	0.13	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Fluoranthene	<0.0092	ug/L	0.0092	0.031	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Fluorene	<0.082	ug/L	0.082	0.38	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.063	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.77	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Phenanthrene	<0.026	ug/L	0.026	0.13	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
Pyrene	<0.028	ug/L	0.028	0.13	1		01/23/2017 07:45	01/27/2017 11:13	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			01/18/2017 19:11	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			01/18/2017 19:11	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 19:11	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 19:11	RLD	EPA 8260C
1,1-Dichloroethane	**2.7**	ug/L	0.30	1.1	1			01/18/2017 19:11	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			01/18/2017 19:11	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			01/18/2017 19:11	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			01/18/2017 19:11	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828402 Sample Description: AMW-4 Sampled: 01/16/2017 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			01/18/2017 19:11	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			01/18/2017 19:11	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 19:11	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			01/18/2017 19:11	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			01/18/2017 19:11	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 19:11	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			01/18/2017 19:11	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:11	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 19:11	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 19:11	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 19:11	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			01/18/2017 19:11	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 19:11	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			01/18/2017 19:11	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:11	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			01/18/2017 19:11	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			01/18/2017 19:11	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			01/18/2017 19:11	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			01/18/2017 19:11	RLD	EPA 8260C
Benzene	**5.8**	ug/L	0.24	0.81	1			01/18/2017 19:11	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 19:11	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 19:11	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:11	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			01/18/2017 19:11	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 19:11	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828402 Sample Description: AMW-4 Sampled: 01/16/2017 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			01/18/2017 19:11	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			01/18/2017 19:11	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			01/18/2017 19:11	RLD	EPA 8260C
Chloroethane	**1.6**	ug/L	0.50	1.6	1			01/18/2017 19:11	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			01/18/2017 19:11	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			01/18/2017 19:11	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 19:11	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			01/18/2017 19:11	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:11	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 19:11	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 19:11	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			01/18/2017 19:11	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			01/18/2017 19:11	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			01/18/2017 19:11	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:11	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			01/18/2017 19:11	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			01/18/2017 19:11	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			01/18/2017 19:11	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 19:11	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 19:11	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			01/18/2017 19:11	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:11	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			01/18/2017 19:11	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 19:11	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			01/18/2017 19:11	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828402 Sample Description: AMW-4 Sampled: 01/16/2017 1350

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:11	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			01/18/2017 19:11	RLD	EPA 8260C
Tetrahydrofuran	**23**	ug/L	3.0	10	1			01/18/2017 19:11	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			01/18/2017 19:11	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			01/18/2017 19:11	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:11	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 19:11	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 19:11	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			01/18/2017 19:11	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			01/18/2017 19:11	RLD	EPA 8260C

CT LAB Sample#: 828403 Sample Description: PZ-4 Sampled: 01/16/2017 1420

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**79.5**	ug/L	0.70	2.5	1			01/19/2017 01:45	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			01/19/2017 01:45	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			01/19/2017 01:45	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			01/19/2017 01:45	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			01/19/2017 01:45	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			01/19/2017 01:45	NAH	EPA 6010C
Dissolved Arsenic	<0.60	ug/L	0.60	2.1	1		01/19/2017 08:00	01/20/2017 13:49	MDS	EPA 7010
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		01/26/2017 10:30	01/27/2017 09:24	LJF	EPA 7470A
Organic Results										

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828403 Sample Description: PZ-4 Sampled: 01/16/2017 1420

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1-Methylnaphthalene	<0.15	ug/L	0.15	0.76	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.76	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Acenaphthene	<0.24	ug/L	0.24	0.81	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Acenaphthylene	<0.17	ug/L	0.17	0.76	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.33	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.039	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Benzo(a)pyrene	<0.0071	ug/L	0.0071	0.031	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Benzo(b)fluoranthene	<0.0051	ug/L	0.0051	0.025	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Benzo(g,h,i)perylene	<0.026	ug/L	0.026	0.088	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Benzo(k)fluoranthene	<0.0061	ug/L	0.0061	0.025	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Chrysene	<0.024	ug/L	0.024	0.13	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.023	ug/L	0.023	0.13	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Fluoranthene	<0.0091	ug/L	0.0091	0.030	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Fluorene	<0.081	ug/L	0.081	0.37	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.063	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.76	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Phenanthrene	<0.025	ug/L	0.025	0.13	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
Pyrene	<0.027	ug/L	0.027	0.13	1		01/23/2017 07:45	01/27/2017 11:40	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			01/18/2017 17:47	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			01/18/2017 17:47	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 17:47	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 17:47	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 17:47	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			01/18/2017 17:47	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			01/18/2017 17:47	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828403 Sample Description: PZ-4 Sampled: 01/16/2017 1420

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			01/18/2017 17:47	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			01/18/2017 17:47	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			01/18/2017 17:47	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 17:47	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			01/18/2017 17:47	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			01/18/2017 17:47	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 17:47	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			01/18/2017 17:47	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:47	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 17:47	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 17:47	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 17:47	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			01/18/2017 17:47	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 17:47	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			01/18/2017 17:47	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:47	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			01/18/2017 17:47	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			01/18/2017 17:47	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			01/18/2017 17:47	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			01/18/2017 17:47	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			01/18/2017 17:47	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 17:47	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 17:47	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:47	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			01/18/2017 17:47	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828403 Sample Description: PZ-4 Sampled: 01/16/2017 1420

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromomethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 17:47	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			01/18/2017 17:47	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			01/18/2017 17:47	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			01/18/2017 17:47	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			01/18/2017 17:47	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			01/18/2017 17:47	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			01/18/2017 17:47	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 17:47	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			01/18/2017 17:47	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:47	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 17:47	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 17:47	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			01/18/2017 17:47	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			01/18/2017 17:47	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			01/18/2017 17:47	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:47	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			01/18/2017 17:47	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			01/18/2017 17:47	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			01/18/2017 17:47	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 17:47	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 17:47	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			01/18/2017 17:47	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:47	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			01/18/2017 17:47	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 17:47	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828403 Sample Description: PZ-4 Sampled: 01/16/2017 1420

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Styrene	<0.50	ug/L	0.50	1.7	1			01/18/2017 17:47	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:47	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			01/18/2017 17:47	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			01/18/2017 17:47	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			01/18/2017 17:47	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			01/18/2017 17:47	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			01/18/2017 17:47	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 17:47	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 17:47	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			01/18/2017 17:47	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			01/18/2017 17:47	RLD	EPA 8260C

CT LAB Sample#: 828404 Sample Description: AMW-5 Sampled: 01/16/2017 1455

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**140**	ug/L	0.70	2.5	1			01/19/2017 01:52	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			01/19/2017 01:52	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			01/19/2017 01:52	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			01/19/2017 01:52	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			01/19/2017 01:52	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			01/19/2017 01:52	NAH	EPA 6010C
Dissolved Arsenic	**1.4**	ug/L	0.60 *	2.1	1		01/19/2017 08:00	01/20/2017 13:55	MDS	EPA 7010
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		01/26/2017 10:30	01/27/2017 09:27	LJF	EPA 7470A

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828404 Sample Description: AMW-5 Sampled: 01/16/2017 1455

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1-Methylnaphthalene	<0.15	ug/L	0.15	0.76	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.76	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Acenaphthene	<0.24	ug/L	0.24	0.81	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Acenaphthylene	<0.17	ug/L	0.17	0.76	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.33	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.039	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Benzo(a)pyrene	<0.0071	ug/L	0.0071	0.031	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Benzo(b)fluoranthene	<0.0051	ug/L	0.0051	0.025	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Benzo(g,h,i)perylene	<0.026	ug/L	0.026	0.088	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Benzo(k)fluoranthene	<0.0061	ug/L	0.0061	0.025	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Chrysene	<0.024	ug/L	0.024	0.13	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.023	ug/L	0.023	0.13	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Fluoranthene	<0.0091	ug/L	0.0091	0.030	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Fluorene	<0.081	ug/L	0.081	0.37	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.063	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.76	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Phenanthrene	<0.025	ug/L	0.025	0.13	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
Pyrene	<0.027	ug/L	0.027	0.13	1		01/23/2017 07:45	01/27/2017 12:06	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			01/18/2017 19:39	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			01/18/2017 19:39	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 19:39	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 19:39	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 19:39	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			01/18/2017 19:39	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828404 Sample Description: AMW-5 Sampled: 01/16/2017 1455

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			01/18/2017 19:39	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			01/18/2017 19:39	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			01/18/2017 19:39	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			01/18/2017 19:39	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 19:39	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			01/18/2017 19:39	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			01/18/2017 19:39	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 19:39	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			01/18/2017 19:39	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:39	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 19:39	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 19:39	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 19:39	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			01/18/2017 19:39	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 19:39	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			01/18/2017 19:39	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:39	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			01/18/2017 19:39	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			01/18/2017 19:39	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			01/18/2017 19:39	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			01/18/2017 19:39	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			01/18/2017 19:39	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 19:39	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 19:39	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:39	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828404 Sample Description: AMW-5 Sampled: 01/16/2017 1455

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<0.70	ug/L	0.70	2.3	1			01/18/2017 19:39	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 19:39	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			01/18/2017 19:39	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			01/18/2017 19:39	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			01/18/2017 19:39	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			01/18/2017 19:39	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			01/18/2017 19:39	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			01/18/2017 19:39	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 19:39	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			01/18/2017 19:39	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:39	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 19:39	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 19:39	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			01/18/2017 19:39	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			01/18/2017 19:39	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			01/18/2017 19:39	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:39	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			01/18/2017 19:39	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			01/18/2017 19:39	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			01/18/2017 19:39	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 19:39	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 19:39	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			01/18/2017 19:39	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:39	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			01/18/2017 19:39	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828404 Sample Description: AMW-5 Sampled: 01/16/2017 1455

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 19:39	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			01/18/2017 19:39	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:39	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			01/18/2017 19:39	RLD	EPA 8260C
Tetrahydrofuran	**7.2**	ug/L	3.0 *	10	1			01/18/2017 19:39	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			01/18/2017 19:39	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			01/18/2017 19:39	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			01/18/2017 19:39	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 19:39	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 19:39	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			01/18/2017 19:39	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			01/18/2017 19:39	RLD	EPA 8260C

CT LAB Sample#: 828405 Sample Description: AMW-6 Sampled: 01/16/2017 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
Dissolved Barium	**354**	ug/L	0.70	2.5	1			01/19/2017 01:59	NAH	EPA 6010C
Dissolved Cadmium	<0.40	ug/L	0.40	1.4	1			01/19/2017 01:59	NAH	EPA 6010C
Dissolved Chromium	<2.0	ug/L	2.0	8.0	1			01/19/2017 01:59	NAH	EPA 6010C
Dissolved Lead	<1.3	ug/L	1.3	4.2	1			01/19/2017 01:59	NAH	EPA 6010C
Dissolved Selenium	<7.0	ug/L	7.0	25	1			01/19/2017 01:59	NAH	EPA 6010C
Dissolved Silver	<2.5	ug/L	2.5	8.4	1			01/19/2017 01:59	NAH	EPA 6010C
Dissolved Arsenic	**1.5**	ug/L	0.60 *	2.1	1		01/19/2017 08:00	01/20/2017 14:01	MDS	EPA 7010

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828405 Sample Description: AMW-6 Sampled: 01/16/2017 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dissolved Mercury	<0.020	ug/L	0.020	0.066	1		01/26/2017 10:30	01/27/2017 09:29	LJF	EPA 7470A
Organic Results										
1-Methylnaphthalene	<0.15	ug/L	0.15	0.76	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
2-Methylnaphthalene	<0.16	ug/L	0.16	0.76	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Acenaphthene	<0.24	ug/L	0.24	0.81	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Acenaphthylene	<0.17	ug/L	0.17	0.76	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Anthracene	<0.10	ug/L	0.10	0.33	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Benzo(a)anthracene	<0.012	ug/L	0.012	0.039	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Benzo(a)pyrene	<0.0071	ug/L	0.0071	0.031	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Benzo(b)fluoranthene	<0.0051	ug/L	0.0051	0.025	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Benzo(g,h,i)perylene	<0.026	ug/L	0.026	0.088	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Benzo(k)fluoranthene	<0.0061	ug/L	0.0061	0.025	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Chrysene	<0.024	ug/L	0.024	0.13	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Dibenzo(a,h)anthracene	<0.023	ug/L	0.023	0.13	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Fluoranthene	**0.085**	ug/L	0.0091	0.030	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Fluorene	<0.081	ug/L	0.081	0.37	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.016	0.063	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Naphthalene	<0.14	ug/L	0.14	0.76	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Phenanthrene	**0.078**	ug/L	0.025 *	0.13	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
Pyrene	<0.027	ug/L	0.027	0.13	1		01/23/2017 07:45	01/27/2017 12:33	RED	EPA 8310
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			01/18/2017 18:15	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			01/18/2017 18:15	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 18:15	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 18:15	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828405 Sample Description: AMW-6 Sampled: 01/16/2017 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 18:15	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			01/18/2017 18:15	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			01/18/2017 18:15	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			01/18/2017 18:15	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			01/18/2017 18:15	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			01/18/2017 18:15	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 18:15	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			01/18/2017 18:15	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			01/18/2017 18:15	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 18:15	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			01/18/2017 18:15	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:15	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 18:15	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 18:15	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 18:15	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			01/18/2017 18:15	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 18:15	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			01/18/2017 18:15	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:15	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			01/18/2017 18:15	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			01/18/2017 18:15	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			01/18/2017 18:15	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			01/18/2017 18:15	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			01/18/2017 18:15	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 18:15	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828405 Sample Description: AMW-6 Sampled: 01/16/2017 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 18:15	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:15	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			01/18/2017 18:15	RLD	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 18:15	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			01/18/2017 18:15	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			01/18/2017 18:15	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			01/18/2017 18:15	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			01/18/2017 18:15	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			01/18/2017 18:15	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			01/18/2017 18:15	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 18:15	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			01/18/2017 18:15	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:15	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 18:15	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 18:15	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			01/18/2017 18:15	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			01/18/2017 18:15	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			01/18/2017 18:15	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:15	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			01/18/2017 18:15	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			01/18/2017 18:15	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			01/18/2017 18:15	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 18:15	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 18:15	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			01/18/2017 18:15	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828405 Sample Description: AMW-6 Sampled: 01/16/2017 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
o-Xylene	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:15	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			01/18/2017 18:15	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 18:15	RLD	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			01/18/2017 18:15	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:15	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			01/18/2017 18:15	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			01/18/2017 18:15	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			01/18/2017 18:15	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			01/18/2017 18:15	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			01/18/2017 18:15	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 18:15	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 18:15	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			01/18/2017 18:15	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			01/18/2017 18:15	RLD	EPA 8260C

CT LAB Sample#: 828410 Sample Description: AMW-8 Sampled: 01/16/2017

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<6.0	ug/L	6.0	19	10			01/18/2017 20:07	RLD	EPA 8260C
1,1,1-Trichloroethane	<5.0	ug/L	5.0	18	10			01/18/2017 20:07	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<7.0	ug/L	7.0	24	10			01/18/2017 20:07	RLD	EPA 8260C
1,1,2-Trichloroethane	<4.0	ug/L	4.0	15	10			01/18/2017 20:07	RLD	EPA 8260C
1,1-Dichloroethane	<3.0	ug/L	3.0	11	10			01/18/2017 20:07	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828410 Sample Description: AMW-8 Sampled: 01/16/2017

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethene	<4.0	ug/L	4.0	15	10			01/18/2017 20:07	RLD	EPA 8260C
1,1-Dichloropropene	<7.0	ug/L	7.0	22	10			01/18/2017 20:07	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<8.0	ug/L	8.0	26	10			01/18/2017 20:07	RLD	EPA 8260C
1,2,3-Trichloropropane	<6.0	ug/L	6.0	19	10			01/18/2017 20:07	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	17	10			01/18/2017 20:07	RLD	EPA 8260C
1,2,4-Trimethylbenzene	**28**	ug/L	4.0	12	10			01/18/2017 20:07	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<7.0	ug/L	7.0	24	10			01/18/2017 20:07	RLD	EPA 8260C
1,2-Dibromoethane	<6.0	ug/L	6.0	18	10			01/18/2017 20:07	RLD	EPA 8260C
1,2-Dichlorobenzene	<6.0	ug/L	6.0	19	10			01/18/2017 20:07	RLD	EPA 8260C
1,2-Dichloroethane	**13**	ug/L	2.6	8.7	10			01/18/2017 20:07	RLD	EPA 8260C
1,2-Dichloropropane	<4.0	ug/L	4.0	14	10			01/18/2017 20:07	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<4.0	ug/L	4.0	13	10			01/18/2017 20:07	RLD	EPA 8260C
1,3-Dichlorobenzene	<5.0	ug/L	5.0	18	10			01/18/2017 20:07	RLD	EPA 8260C
1,3-Dichloropropane	<5.0	ug/L	5.0	16	10			01/18/2017 20:07	RLD	EPA 8260C
1,4-Dichlorobenzene	<6.0	ug/L	6.0	20	10			01/18/2017 20:07	RLD	EPA 8260C
2,2-Dichloropropane	<5.0	ug/L	5.0	16	10			01/18/2017 20:07	RLD	EPA 8260C
2-Butanone	<40	ug/L	40	140	10			01/18/2017 20:07	RLD	EPA 8260C
2-Chlorotoluene	<4.0	ug/L	4.0	14	10			01/18/2017 20:07	RLD	EPA 8260C
2-Hexanone	<70	ug/L	70	240	10			01/18/2017 20:07	RLD	EPA 8260C
4-Chlorotoluene	<4.0	ug/L	4.0	15	10			01/18/2017 20:07	RLD	EPA 8260C
4-Methyl-2-pentanone	<60	ug/L	60	190	10			01/18/2017 20:07	RLD	EPA 8260C
Acetone	<90	ug/L	90	300	10			01/18/2017 20:07	RLD	EPA 8260C
Benzene	**500**	ug/L	2.4	8.1	10			01/18/2017 20:07	RLD	EPA 8260C
Bromobenzene	<6.0	ug/L	6.0	19	10			01/18/2017 20:07	RLD	EPA 8260C
Bromochloromethane	<8.0	ug/L	8.0	25	10			01/18/2017 20:07	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828410 Sample Description: AMW-8 Sampled: 01/16/2017

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromodichloromethane	<4.0	ug/L	4.0	14	10			01/18/2017 20:07	RLD	EPA 8260C
Bromoform	<7.0	ug/L	7.0	23	10			01/18/2017 20:07	RLD	EPA 8260C
Bromomethane	<7.0	ug/L	7.0	24	10			01/18/2017 20:07	RLD	EPA 8260C
Carbon disulfide	<5.0	ug/L	5.0	16	10			01/18/2017 20:07	RLD	EPA 8260C
Carbon tetrachloride	<5.0	ug/L	5.0	16	10			01/18/2017 20:07	RLD	EPA 8260C
Chlorobenzene	<5.0	ug/L	5.0	15	10			01/18/2017 20:07	RLD	EPA 8260C
Chloroethane	<5.0	ug/L	5.0	16	10			01/18/2017 20:07	RLD	EPA 8260C
Chloroform	<3.0	ug/L	3.0	9.0	10			01/18/2017 20:07	RLD	EPA 8260C
Chloromethane	<7.0	ug/L	7.0	25	10			01/18/2017 20:07	RLD	EPA 8260C
cis-1,2-Dichloroethene	<3.0	ug/L	3.0	10	10			01/18/2017 20:07	RLD	EPA 8260C
cis-1,3-Dichloropropene	<4.0	ug/L	4.0	12	10			01/18/2017 20:07	RLD	EPA 8260C
Dibromochloromethane	<4.0	ug/L	4.0	14	10			01/18/2017 20:07	RLD	EPA 8260C
Dibromomethane	<8.0	ug/L	8.0	25	10			01/18/2017 20:07	RLD	EPA 8260C
Dichlorodifluoromethane	<4.0	ug/L	4.0	15	10			01/18/2017 20:07	RLD	EPA 8260C
Diisopropyl ether	<2.9	ug/L	2.9	9.7	10			01/18/2017 20:07	RLD	EPA 8260C
Ethylbenzene	**100**	ug/L	3.0	11	10			01/18/2017 20:07	RLD	EPA 8260C
Hexachlorobutadiene	<9.0	ug/L	9.0	29	10			01/18/2017 20:07	RLD	EPA 8260C
Isopropylbenzene	**9.0**	ug/L	4.0 *	14	10			01/18/2017 20:07	RLD	EPA 8260C
m & p-Xylene	<5.0	ug/L	5.0	18	10			01/18/2017 20:07	RLD	EPA 8260C
Methyl tert-butyl ether	<3.0	ug/L	3.0	11	10			01/18/2017 20:07	RLD	EPA 8260C
Methylene chloride	<5.0	ug/L	5.0	17	10			01/18/2017 20:07	RLD	EPA 8260C
n-Butylbenzene	<4.0	ug/L	4.0	12	10			01/18/2017 20:07	RLD	EPA 8260C
n-Propylbenzene	<5.0	ug/L	5.0	18	10			01/18/2017 20:07	RLD	EPA 8260C
Naphthalene	**22**	ug/L	7.0	22	10			01/18/2017 20:07	RLD	EPA 8260C
o-Xylene	**22**	ug/L	4.0	14	10			01/18/2017 20:07	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828410 Sample Description: AMW-8 Sampled: 01/16/2017

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
p-Isopropyltoluene	<5.0	ug/L	5.0	15	10			01/18/2017 20:07	RLD	EPA 8260C
sec-Butylbenzene	<4.0	ug/L	4.0	13	10			01/18/2017 20:07	RLD	EPA 8260C
Styrene	<5.0	ug/L	5.0	17	10			01/18/2017 20:07	RLD	EPA 8260C
tert-Butylbenzene	<4.0	ug/L	4.0	14	10			01/18/2017 20:07	RLD	EPA 8260C
Tetrachloroethene	<5.0	ug/L	5.0	18	10			01/18/2017 20:07	RLD	EPA 8260C
Tetrahydrofuran	<30	ug/L	30	100	10			01/18/2017 20:07	RLD	EPA 8260C
Toluene	<3.0	ug/L	3.0	11	10			01/18/2017 20:07	RLD	EPA 8260C
trans-1,2-Dichloroethene	<6.0	ug/L	6.0	19	10			01/18/2017 20:07	RLD	EPA 8260C
trans-1,3-Dichloropropene	<4.0	ug/L	4.0	14	10			01/18/2017 20:07	RLD	EPA 8260C
Trichloroethene	<3.0	ug/L	3.0	10	10			01/18/2017 20:07	RLD	EPA 8260C
Trichlorofluoromethane	<3.0	ug/L	3.0	11	10			01/18/2017 20:07	RLD	EPA 8260C
Vinyl acetate	<30	ug/L	30	110	10			01/18/2017 20:07	RLD	EPA 8260C
Vinyl chloride	<1.9	ug/L	1.9	6.4	10			01/18/2017 20:07	RLD	EPA 8260C

CT LAB Sample#: 828411 Sample Description: HMW-8 Sampled: 01/16/2017

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<6.0	ug/L	6.0	19	10			01/18/2017 20:34	RLD	EPA 8260C
1,1,1-Trichloroethane	<5.0	ug/L	5.0	18	10			01/18/2017 20:34	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<7.0	ug/L	7.0	24	10			01/18/2017 20:34	RLD	EPA 8260C
1,1,2-Trichloroethane	<4.0	ug/L	4.0	15	10			01/18/2017 20:34	RLD	EPA 8260C
1,1-Dichloroethane	<3.0	ug/L	3.0	11	10			01/18/2017 20:34	RLD	EPA 8260C
1,1-Dichloroethene	<4.0	ug/L	4.0	15	10			01/18/2017 20:34	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828411 Sample Description: HMW-8 Sampled: 01/16/2017

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloropropene	<7.0	ug/L	7.0	22	10			01/18/2017 20:34	RLD	EPA 8260C
1,2,3-Trichlorobenzene	<8.0	ug/L	8.0	26	10			01/18/2017 20:34	RLD	EPA 8260C
1,2,3-Trichloropropane	<6.0	ug/L	6.0	19	10			01/18/2017 20:34	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	17	10			01/18/2017 20:34	RLD	EPA 8260C
1,2,4-Trimethylbenzene	**32**	ug/L	4.0	12	10			01/18/2017 20:34	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<7.0	ug/L	7.0	24	10			01/18/2017 20:34	RLD	EPA 8260C
1,2-Dibromoethane	<6.0	ug/L	6.0	18	10			01/18/2017 20:34	RLD	EPA 8260C
1,2-Dichlorobenzene	<6.0	ug/L	6.0	19	10			01/18/2017 20:34	RLD	EPA 8260C
1,2-Dichloroethane	**12**	ug/L	2.6	8.7	10			01/18/2017 20:34	RLD	EPA 8260C
1,2-Dichloropropane	<4.0	ug/L	4.0	14	10			01/18/2017 20:34	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<4.0	ug/L	4.0	13	10			01/18/2017 20:34	RLD	EPA 8260C
1,3-Dichlorobenzene	<5.0	ug/L	5.0	18	10			01/18/2017 20:34	RLD	EPA 8260C
1,3-Dichloropropane	<5.0	ug/L	5.0	16	10			01/18/2017 20:34	RLD	EPA 8260C
1,4-Dichlorobenzene	<6.0	ug/L	6.0	20	10			01/18/2017 20:34	RLD	EPA 8260C
2,2-Dichloropropane	<5.0	ug/L	5.0	16	10			01/18/2017 20:34	RLD	EPA 8260C
2-Butanone	<40	ug/L	40	140	10			01/18/2017 20:34	RLD	EPA 8260C
2-Chlorotoluene	<4.0	ug/L	4.0	14	10			01/18/2017 20:34	RLD	EPA 8260C
2-Hexanone	<70	ug/L	70	240	10			01/18/2017 20:34	RLD	EPA 8260C
4-Chlorotoluene	<4.0	ug/L	4.0	15	10			01/18/2017 20:34	RLD	EPA 8260C
4-Methyl-2-pentanone	<60	ug/L	60	190	10			01/18/2017 20:34	RLD	EPA 8260C
Acetone	<90	ug/L	90	300	10			01/18/2017 20:34	RLD	EPA 8260C
Benzene	**460**	ug/L	2.4	8.1	10			01/18/2017 20:34	RLD	EPA 8260C
Bromobenzene	<6.0	ug/L	6.0	19	10			01/18/2017 20:34	RLD	EPA 8260C
Bromochloromethane	<8.0	ug/L	8.0	25	10			01/18/2017 20:34	RLD	EPA 8260C
Bromodichloromethane	<4.0	ug/L	4.0	14	10			01/18/2017 20:34	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828411 Sample Description: HMW-8 Sampled: 01/16/2017

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromoform	<7.0	ug/L	7.0	23	10			01/18/2017 20:34	RLD	EPA 8260C
Bromomethane	<7.0	ug/L	7.0	24	10			01/18/2017 20:34	RLD	EPA 8260C
Carbon disulfide	<5.0	ug/L	5.0	16	10			01/18/2017 20:34	RLD	EPA 8260C
Carbon tetrachloride	<5.0	ug/L	5.0	16	10			01/18/2017 20:34	RLD	EPA 8260C
Chlorobenzene	<5.0	ug/L	5.0	15	10			01/18/2017 20:34	RLD	EPA 8260C
Chloroethane	<5.0	ug/L	5.0	16	10			01/18/2017 20:34	RLD	EPA 8260C
Chloroform	<3.0	ug/L	3.0	9.0	10			01/18/2017 20:34	RLD	EPA 8260C
Chloromethane	<7.0	ug/L	7.0	25	10			01/18/2017 20:34	RLD	EPA 8260C
cis-1,2-Dichloroethene	<3.0	ug/L	3.0	10	10			01/18/2017 20:34	RLD	EPA 8260C
cis-1,3-Dichloropropene	<4.0	ug/L	4.0	12	10			01/18/2017 20:34	RLD	EPA 8260C
Dibromochloromethane	<4.0	ug/L	4.0	14	10			01/18/2017 20:34	RLD	EPA 8260C
Dibromomethane	<8.0	ug/L	8.0	25	10			01/18/2017 20:34	RLD	EPA 8260C
Dichlorodifluoromethane	<4.0	ug/L	4.0	15	10			01/18/2017 20:34	RLD	EPA 8260C
Diisopropyl ether	<2.9	ug/L	2.9	9.7	10			01/18/2017 20:34	RLD	EPA 8260C
Ethylbenzene	**87**	ug/L	3.0	11	10			01/18/2017 20:34	RLD	EPA 8260C
Hexachlorobutadiene	<9.0	ug/L	9.0	29	10			01/18/2017 20:34	RLD	EPA 8260C
Isopropylbenzene	**9.1**	ug/L	4.0 *	14	10			01/18/2017 20:34	RLD	EPA 8260C
m & p-Xylene	<5.0	ug/L	5.0	18	10			01/18/2017 20:34	RLD	EPA 8260C
Methyl tert-butyl ether	<3.0	ug/L	3.0	11	10			01/18/2017 20:34	RLD	EPA 8260C
Methylene chloride	<5.0	ug/L	5.0	17	10			01/18/2017 20:34	RLD	EPA 8260C
n-Butylbenzene	<4.0	ug/L	4.0	12	10			01/18/2017 20:34	RLD	EPA 8260C
n-Propylbenzene	<5.0	ug/L	5.0	18	10			01/18/2017 20:34	RLD	EPA 8260C
Naphthalene	**29**	ug/L	7.0	22	10			01/18/2017 20:34	RLD	EPA 8260C
o-Xylene	**22**	ug/L	4.0	14	10			01/18/2017 20:34	RLD	EPA 8260C
p-Isopropyltoluene	<5.0	ug/L	5.0	15	10			01/18/2017 20:34	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828411 Sample Description: HMW-8 Sampled: 01/16/2017

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
sec-Butylbenzene	<4.0	ug/L	4.0	13	10			01/18/2017 20:34	RLD	EPA 8260C
Styrene	<5.0	ug/L	5.0	17	10			01/18/2017 20:34	RLD	EPA 8260C
tert-Butylbenzene	<4.0	ug/L	4.0	14	10			01/18/2017 20:34	RLD	EPA 8260C
Tetrachloroethene	<5.0	ug/L	5.0	18	10			01/18/2017 20:34	RLD	EPA 8260C
Tetrahydrofuran	<30	ug/L	30	100	10			01/18/2017 20:34	RLD	EPA 8260C
Toluene	<3.0	ug/L	3.0	11	10			01/18/2017 20:34	RLD	EPA 8260C
trans-1,2-Dichloroethene	<6.0	ug/L	6.0	19	10			01/18/2017 20:34	RLD	EPA 8260C
trans-1,3-Dichloropropene	<4.0	ug/L	4.0	14	10			01/18/2017 20:34	RLD	EPA 8260C
Trichloroethene	<3.0	ug/L	3.0	10	10			01/18/2017 20:34	RLD	EPA 8260C
Trichlorofluoromethane	<3.0	ug/L	3.0	11	10			01/18/2017 20:34	RLD	EPA 8260C
Vinyl acetate	<30	ug/L	30	110	10			01/18/2017 20:34	RLD	EPA 8260C
Vinyl chloride	<1.9	ug/L	1.9	6.4	10			01/18/2017 20:34	RLD	EPA 8260C

CT LAB Sample#: 828412 Sample Description: TRIP BLANK Sampled: 01/16/2017

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			01/18/2017 15:28	RLD	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			01/18/2017 15:28	RLD	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 15:28	RLD	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 15:28	RLD	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 15:28	RLD	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			01/18/2017 15:28	RLD	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			01/18/2017 15:28	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828412 Sample Description: TRIP BLANK Sampled: 01/16/2017

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			01/18/2017 15:28	RLD	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			01/18/2017 15:28	RLD	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			01/18/2017 15:28	RLD	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 15:28	RLD	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			01/18/2017 15:28	RLD	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			01/18/2017 15:28	RLD	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 15:28	RLD	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			01/18/2017 15:28	RLD	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:28	RLD	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 15:28	RLD	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 15:28	RLD	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 15:28	RLD	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			01/18/2017 15:28	RLD	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			01/18/2017 15:28	RLD	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			01/18/2017 15:28	RLD	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:28	RLD	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			01/18/2017 15:28	RLD	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			01/18/2017 15:28	RLD	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			01/18/2017 15:28	RLD	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			01/18/2017 15:28	RLD	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			01/18/2017 15:28	RLD	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			01/18/2017 15:28	RLD	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 15:28	RLD	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:28	RLD	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			01/18/2017 15:28	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828412 Sample Description: TRIP BLANK Sampled: 01/16/2017

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromomethane	<0.70	ug/L	0.70	2.4	1			01/18/2017 15:28	RLD	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			01/18/2017 15:28	RLD	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			01/18/2017 15:28	RLD	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			01/18/2017 15:28	RLD	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			01/18/2017 15:28	RLD	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			01/18/2017 15:28	RLD	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			01/18/2017 15:28	RLD	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 15:28	RLD	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			01/18/2017 15:28	RLD	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:28	RLD	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			01/18/2017 15:28	RLD	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			01/18/2017 15:28	RLD	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			01/18/2017 15:28	RLD	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			01/18/2017 15:28	RLD	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			01/18/2017 15:28	RLD	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:28	RLD	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			01/18/2017 15:28	RLD	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			01/18/2017 15:28	RLD	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			01/18/2017 15:28	RLD	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			01/18/2017 15:28	RLD	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			01/18/2017 15:28	RLD	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			01/18/2017 15:28	RLD	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:28	RLD	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			01/18/2017 15:28	RLD	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			01/18/2017 15:28	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 828412 Sample Description: TRIP BLANK Sampled: 01/16/2017

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Styrene	<0.50	ug/L	0.50	1.7	1			01/18/2017 15:28	RLD	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:28	RLD	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			01/18/2017 15:28	RLD	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			01/18/2017 15:28	RLD	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			01/18/2017 15:28	RLD	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			01/18/2017 15:28	RLD	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			01/18/2017 15:28	RLD	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			01/18/2017 15:28	RLD	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			01/18/2017 15:28	RLD	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			01/18/2017 15:28	RLD	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			01/18/2017 15:28	RLD	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

QC Qualifiers

Code	Description
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	BOD incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
Louisiana NELAP (primary) ID# ACC20160002
Illinois NELAP Lab ID# 200073
Kansas NELAP Lab ID# E-10368
Virginia NELAP Lab ID# 460203
Maryland Lab ID# WI00061
ISO/IEC 17025-2005 A2LA Cert # 3806.01
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID ACC20160002

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME/CLIENT
19-0558.00	Two Rivers

SAMPLERS: (*Signature*) William Hones

SAMPLE NO.	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION/ DESCRIPTION	NO. OF CON-TAINERS	Field Filtered: N N Y VOCs	PAHs	diss RCRA metals							REMARKS
AMW-1	1-16-17	1120		X	AMW-1	5	3	1	1							828393
APZ-1	1-16-17	1150		X	APZ-1	5	3	1	1							828398
AMW-2	1-16-17	1315		X	AMW-2	5	3	1	1							828399
APZ-2	1-16-17	1235		X	APZ-2	7	3	3	1							lab MS/MSD (PAHs) 828400
AMW-3	1-16-17	1555		X	AMW-3	5	3	1	1							828401
AMW-4	1-16-17	1350		X	AMW-4	5	3	1	1							828402
APZ-4	1-16-17	1420		X	~~APZ~~ PZ-4	5	3	1	1							828403
AMW-5	1-16-17	1455		X	AMW-5	5	3	1	1							828404
AMW-6	1-16-17	1525		X	AMW-6	5	3	1	1							828405
AMW-8	1-16-17			X	AMW-8	~~X~~ 3	3	X	X							828410
HMW-8	1-16-17			X	AMW-8	3	3									828411
TB	—			X	trip blank	2	2									828412
					temp blank											

Folder # 124867
Company: AYRES ASSOCIATES
Project: TWO RIVERS
Logged By: DRT PM: ET

Ayres Project Contact: Bill Hones
Ayres Project Manager: Lynn Scher
Invoice To:

RELINQUISHED BY: (*Signature*)	DATE / TIME	RECEIVED BY: (*Signature*)	RELINQUISHED BY: (*Signature*)	DATE / TIME	RECEIVED BY: (*Signature*)
William Hones	1-17-16/1500				

AYRES ASSOCIATES
3433 Oakwood Hills Parkway, Eau Claire WI 54702
715.834.3161
5201 E. Terrace Drive, Suite 200, Madison, WI 53718
608.443.1200
N17 W24222 Riverwood Drive, Suite 310, Waukesha, WI 53188
262.523.4488

1/17/17

Shipped on ice: ✓ yes ___ no
Received on ice: X yes ___ no
Temp. if not received on ice: ___

COMMENTS:
2 ~~X~~ coolers
5844, 5694

1.8

1/18/17 1010 gb

1/18/17 1140

Appendix G

Deed Information

DOC # 1051752

VOL 2397 PG 686

STATE OF WISCONSIN CIRCUIT COURT MANITOWOC COUNTY

STATE OF WI - MTWC CO
PRESTON JONES REG/DEEDS
RECEIVED FOR RECORD
08/19/2008 2:31:25 PM

In the Matter of the Foreclosure of Tax Liens Under Section 75.521, Wisconsin Statutes, by Manitowoc County, In Rem 2005, Number 18

Case No: 2005-CV-140

MANITOWOC COUNTY
STATE OF WISCONSIN
FILED
AUG 18 2008
CLERK OF CIRCUIT COURT

JUDGMENT AGAINST PARCEL NO. 18

The above entitled action for foreclosure of tax liens by action in rem pursuant to the provisions of Wis. Stat. § 75.521 and the Court having made the requisite Findings of Fact and Conclusions of Law, but stayed judgment against certain parcels, including Parcel No. 18, at the request of the Manitowoc County Treasurer in its Judgment dated December 22, 2005;

Manitowoc County Treasurer now having moved the Court for an order of judgment with respect to Parcel No. 18 and the Court having heard the motion on August 18, 2008;

NOW, THEREFORE IT IS ADJUDGED that Manitowoc County, Wisconsin is vested with an estate in fee simple absolute in all of the lands hereinafter described, subject, however, to all unpaid taxes and charges which are subsequent to the latest dated valid tax lien appearing on the list of tax liens herein and to recorded restrictions as provided by Wis. Stat. § 75.14(4).

IT IS FURTHER ORDERED that all persons, both natural and artificial, including the State of Wisconsin, infants, incompetents, absentees, and non-residents who may have had any right, title, interest, claim, lien, or equity of redemption in such lands hereinafter described and all persons claiming under or through them from and after the date of filing of the list of tax liens are forever barred and foreclosed of such right, title, interest, claim, lien, or equity of redemption, and a writ of restitution shall issue.

The following is the description of the lands and remaining parcels, identified by the number used in the list of tax liens, unredeemed and affected by this judgment; all situated in Manitowoc County, Wisconsin:

Parcel No. 18

Tax Key No. 53-101-007-259.04. Parcels of land in Lot Numbered Twenty-four (24) of Assessment Plat No. Seven (7) in the City of Two Rivers, described as follows:

Commencing at the intersection of the West line of School Street and the South line of 21st Street, thence West along the South line of 21st Street a distance of 120 feet, thence South and parallel to the West line of School Street a distance of 30 feet, thence East and parallel to the South line of 21st Street a distance of 120 feet, thence North along the West line of School Street a distance of 30 feet to the point of commencement. Said parcel contains .0826 acres of land AND ALSO

Commence to measure at the point where the Western boundary line of School Street intersects the Southern boundary line of 21st Street; measure thence West along the Southern boundary line of 21st Street a distance of 120 feet, the point thus reached being the point of commencement; measure thence South and parallel to the Western boundary line of School Street a distance of 135 feet; thence West and parallel with the Southern boundary line of 21st Street a distance of 350 feet; thence south and parallel with the Western boundary line of School Street a distance of 15 feet; thence West and parallel with the Southern boundary line of 21st Street a distance of 45 feet; thence South and parallel with the Western boundary line of School Street a distance of 62 feet; thence West and parallel with the Southern boundary line of 21st Street a distance of 83 feet to the Eastern boundary of the West Twin River; thence Northwest along the Eastern bank of the West Twin River to the point where said Eastern bank intersects the Southern boundary line of 21st Street; thence East along the Southern boundary line of 21st Street to the point of commencement. All in the City of Two Rivers, together with riparian rights thereto, and subject, however, to the right of way owed by the Wisconsin Public Service Corporation.

Dated this 18th day of August 2008.

By the Court:

Hon. Jerome L. Fox
Circuit Court Judge, Branch 3

This document drafted by:
Return to:
Steven J. Rollins, Wis. Bar No. 1006725
Manitowoc County Corporation Counsel
Manitowoc County Courthouse
1010 South 8th Street
Manitowoc, WI 54220
(920) 683-4062
(920) 683-5182 FAX

13 chg.

R2397 687 2

VOL 2397 PG 687

This document is a full certified copy of the original on file in the Office of the Clerk of Circuit Court, Manitowoc County, State of Wisconsin.

Date: 8/19/08 Teresa J. Skibicki
Deputy Clerk of Circuit Court

VOL 2700 PG 295

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CERTIFICATION - ENTIRE DOCUMENT (INCLUDING ALL ATTACHMENTS)

STATE OF WISCONSIN)
) SS
MANITOWOC COUNTY)

The undersigned certifies that the attached document is an exact copy of the original on file with the Office of Clerk of Circuit Court, Manitowoc County, Wisconsin, consisting of a total of_____ pages, each page of this certification bearing a raised official court seal.

WITNESS MY HAND AND SEAL this 14th day of February, 2012.

COURT SEAL
AFFIXED
OVER SIGNATURE

Mary J. Murray
Deputy Clerk of Circuit Court
Manitowoc County, Wisconsin

STATE OF WISCONSIN CIRCUIT COURT MANITOWOC COUNTY

In the Matter of the Foreclosure of Tax Liens Under Section 75.521, Wisconsin Statutes, by Manitowoc County, List of Tax Liens for 1995, Number Twenty-five

Case No. 95 CV 309

JUDGMENT AGAINST PARCEL NO. 70

The above entitled action for foreclosure of tax liens by action in rem pursuant to the provisions of Wis. Stat. § 75.521 and the Court having made the requisite Findings of Fact and Conclusions of Law, but stayed judgment against certain parcels, including Parcel No. 70, at the request of the Manitowoc County Treasurer in its Judgment dated December 12, 1995;

Manitowoc County Treasurer now having moved the Court for an order of judgment with respect to Parcel No. 70 and the Court having heard the motion on February 14, 2012;

NOW, THEREFORE IT IS ADJUDGED that Manitowoc County, Wisconsin is vested with an estate in fee simple absolute in all of the lands hereinafter described, subject, however, to all unpaid taxes and charges which are subsequent to the latest dated valid tax lien appearing on the list of tax liens herein and to recorded restrictions as provided by Wis. Stat. § 75.14(4).

IT IS FURTHER ORDERED that all persons, both natural and artificial, including the State of Wisconsin, infants, incompetents, absentees, and non-residents who may have had any right, title, interest, claim, lien, or equity of redemption in such lands hereinafter described and all persons claiming under or through them from and after the

date of filing of the list of tax liens are forever barred and foreclosed of such right, title, interest, claim, lien, or equity of redemption.

The following is the description of the lands and remaining parcels, identified by the number used in the list of tax liens, unredeemed and affected by this judgment; all situated in Manitowoc County, Wisconsin:

Parcel No. 70

Tax Key No. 053-101-007-247.06. The following parcels of real estate in Lot 24 of assessment Plat No. 7 in the City of Two Rivers, according to the Recorded Plat of said assessment plot:

1. The tract of land bounded as follows: On the east by a line parallel to and 120 feet west of the west line of School Street, city of Two Rivers, on the north by the westward extension of the north line of 20th Street, City of Two Rivers to the West Twin River, on the west by the West Twin River, on the south by the westward extension of the south line of 20th Street, City of Two Rivers westward to the West Twin River.

2. The tract of land bounded as follows: On the east by a line parallel to the west line of School Street, City of Two Rivers and at a distance of 120 feet west thereof, on the north by the south line of 20th Street, City of Two Rivers extended west to the West Twin River, on the west by the West Twin River, on the south by a line parallel to the north line of 19th Street, City of Two Rivers extended west to the West Twin River and at a distance of 150 feet north thereof, excepting from this tract, however, the east 50 feet of the north 90 feet thereof.

3. The tract of land included within the following boundaries: Commence to measure at a point in the westward extension of the north line of 20th Street, City of Two Rivers 120 feet west of the west line of School Street in said city, run thence north and parallel with the west line of said School Street 165 feet, run thence west and parallel with the westward extension of the north line of said 20th Street, City of Two Rivers 350 feet, thence south and parallel to the west line of said School Street 15 feet, thence west and parallel to the said westward extension of the north line of said 20th street, City of Two Rivers 45 feet, thence south and parallel to the west line of said School Street 62 feet, thence west and parallel to the said westward extension

of the north line of said 20th street, City of Two Rivers 83 feet to the West Twin River, thence along the West Twin River in a southeasterly direction to intersect the westward extension of the north line of said 20th Street, City of Two Rivers, thence east along the westward extension of said north line of 20th Street, City of Two Rivers to the point of commencement.

Subject to (a) covenants, conditions and restrictions of record; (b) private, public and utility easements and road and highways to the extent they may exist including an easement dated June 16, 1953 to Twin Rivers Terminal Corporation and easements to Wisconsin Public Service Corporation by agreement dated November 6, 1958 and in 1959, (c) railroad right-of-way and trackage agreements; (d) special taxes or assessments for improvements not yet completed; (e) installments not due at the date hereof of any special tax or assessment for improvements heretofore completed; (g) general taxes not yet due and payable.

Dated this 14th day of February 2012.

By the Court:

Patrick L. Willis

Hon. Patrick L. Willis, Branch 1
Circuit Court Judge

This document drafted by: (4) CHG

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