

II

PHASE II ENVIRONMENTAL SITE ASSESSMENT

21-23 Wayne Avenue
(a/k/a 119 East Railroad Ave)
Village of West Haverstraw,
Rockland County, New York 10993



Prepared for:

Proudliving Companies
41 Watchung Plaza, Montclair, NJ 07042

August 2018

and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such use.

1.0 SITE BACKGROUND

2.1 Site Description

The Property is located at 21-23 Wayne Avenue, Village of West Haverstraw, Rockland County, New York (Note that this mailing address varies, as the site also has an entrance at 119 East Railroad Ave, and is also listed on the deed as 4-6 Lafayette Street. For the purpose of this report and to avoid confusion, the site has been referenced as 21-23 Wayne Avenue). The property of 21-23 Wayne Avenue is identified with the Rockland County Tax Office as Block D, Lots 10-17; Block G, Lots 81-93; Block H, Lots 18-25, 26-35, 39-48; all situated within the Village of West Haverstraw. The owner of the property is currently listed as Tosott Realty, LLC.

The Site is approximately 5 acres in total area and contains no permanent structures with the exception of the concrete slab that the former garage was built on. The remainder of the Site is vacant land. The surrounding area is mixed industrial and residential. The subject property is bound by residential properties to the north, south and east, and Nelson Metals to the west. Refer to Appendix A for a site vicinity map showing site features and surrounding properties.

2.2 Site History

ERC completed a *Phase I Environmental Site Assessment* (Phase I) Report dated May 2018, prepared on behalf of Proudliving Companies. Based on the information reviewed and the site reconnaissance, the subject property appears to have been developed sometime between 1946-1953, and was utilized as a auto wrecking/auto recycling facility from as early as 1946 until approximately 2005.

The ERC Phase I identified the following recognized environmental conditions (REC):

- 1) The Site's history as an automotive wrecking facility "(junkyard)" and auto parts salvage facility. Vehicles were crushed, drained, and dismantled onsite from as early as 1946 until as late as 2006. A review of the historic aerials depicts hundreds of cars, buses, trucks, and cranes located at the Site. Historic aerials depict soil discoloration on sections of the site. Based on the Site's history and the historic aerial review, ERC considers this a REC.
- 2) Several soil piles, some covered in plastic, were present onsite. It is likely that these soil piles are contaminated soil covered in plastic sheeting, based on the site history. ERC considers this a REC.

- 3) A report by A&G Environmental Corp prepared on March 13, 2000, noted several areas with polyaromatic hydrocarbons (PAH's) and Lead contamination in the soil. Additionally, an underground fuel oil storage tank was present at the time of the A&G inspection. Presumably, this fuel oil tank was located near the garage. During the ERC site reconnaissance, no evidence of an UST was observed, so it is unknown whether or not this UST was removed, abandoned, or is still in place. As this report is more than 18 years old, and was conducted at a time when vehicles were still present onsite, as well as the vehicle crushing crane, the potential for contamination still exists. ERC considers this a REC.
- 4) The former Temco Uniforms site, located at 29 Samsondale Avenue in West Haverstraw is located approximately 325' to the southeast of the Site. The site was formerly an industrial uniform manufacturing, washing, and dry cleaning facility. Based on investigations conducted to date, the primary contaminant of concern at the site is tetrachloroethene (PCE). Several polycyclic aromatic hydrocarbons (PAHs), a group of semi-volatile organic compounds (SVOCs) have also been detected, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene. PCE has been detected in subsurface soils around the loading dock and in the vicinity of the former dry cleaning machine. Surface soils have been impacted by PAHs. The maximum detected exceedance of PCE in subsurface soil was 150,000 ug/kg. The maximum detected exceedances of PAHs in surface soil was 16,000 ug/kg. Groundwater - PCE has impacted groundwater quality across the site and has been documented in the upper and deeper portions of the unconsolidated aquifer. The maximum concentration of PCE detected in groundwater was 890 parts per billion (ppb). Based on the distance to this site, and the fact that the site is upgradient of the Property, ERC considers this a REC.
- 5) The Nelson Metals property, although not listed on the EDR, comprises the majority of the western border of the Site. Several drums were noted during the site reconnaissance immediately adjacent to the west of the Site. The environmental professional had a discussion with the property owner, who stated that the drums were used to store and transport scrap metal. Based on the fact that the drums are stored against the property line, and scrap metal often contains metal fragments, oils, and potentially other pollutants, ERC considers this a REC.

2.3 Geology and Hydrogeology

The United States Geological Survey (USGS) 5262945 *Haverstraw New York* Quadrangle topographic map shows the subject property is situated at an elevation approximately 80 feet above mean sea level, and the local topography is sloping gently to the southeast. Refer to Appendix A for a topographic map of the site vicinity. Information concerning the geology of the subject property was

obtained from the USGS Ground Water Atlas of the United States, New York region (1995). The subject property is located within the Newark Supergroup. The Newark Supergroup consists of continental deposits of reddish arkosic sandstone, feldspathic sandstone, conglomerate, and shale, with some limestone and siltstone.

The sandstone is interbedded with at least three thick basaltic lava flows that also dip eastward at about 15 degrees. Because they are hard and resistant to erosion, the lava flows typically form topographic ridges. The softer sandstone, which is easily eroded, typically forms lowlands and rarely crops out. The sandstone of the Newark Supergroup also is well cemented by carbonate cement that has filled many of the intergranular openings; porosity is estimated to be about 7 percent. Thus, water in the aquifer in the lower Mesozoic sandstone primarily is contained in and moves through secondary openings, such as joints, fractures, and bedding planes. Bedding-plane openings probably transfer the greatest quantity of water. Yields from 688 wells completed in the sandstone aquifer of the Newark Supergroup ranged from 0.5 to 578 gallons per minute; the average yield was 34 gallons per minute. The depths of these wells range from 40 to 973 feet with an average depth of 203 feet.

The United States Department of Agriculture (USDA) Natural Resources Conservation Service Web Soil Survey online database maps the subject property as Udorthents, gravelly loam, Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels. The soils have a moderate corrosion potential to uncoated steel.

Borings advanced during this investigation determined the underlying subsurface consists predominantly of tan medium sand, tan clayey silt, or tan clayey sand from the ground surface until approximately 20 feet below ground surface (bgs), which was the maximum depth of the installed monitoring wells. Groundwater was encountered during this investigation between 19 and 20 feet bgs, however, one monitoring well did not contain any groundwater at 25' bgs.

2.0 FIELD ACTIVITIES

3.1 Preparatory Activities

Prior to the initiation of fieldwork, ERC completed the following activities.

3.1.1 Utility Clearance

ERC notified New Jersey One Call (One Call) to clear public utility lines as required by law at least 72 hours prior to drilling activities.

3.1.2 Health and Safety Plan

ERC reviewed the site-specific Health and Safety Plan with on-site personnel involved in the project prior to the commencement of drilling activities.

3.2 Geophysical Survey

On June 27, 2018, Advanced Tank Services Company (ATS) of Sparta, New Jersey, conducted a geophysical survey throughout the subject property at the direction of ERC. The purpose of the geophysical survey was to identify the locations of the former UST, piping, and/or associated features and to additionally clear boring locations of utilities. The geophysical survey was conducted with a Fisher Model TW-6 inductive locator. The Fisher Model TW-6 unit was configured to transmit signals to a depth of 5 feet bgs. ATS systematically free-traversed all accessible exterior areas with the aforementioned equipment. The technician swept outward a maximum of thirty (30) feet from the concrete slab area, in all directions. The equipment data were interpreted in real time and compiled as necessary in order to identify subsurface anomalies consistent with USTs, utility lines, and/or other subsurface conduits/features.

The geophysical survey identified no specific metallic areas in the subsurface of the soil. No underground utilities were identified at the subject property. All utilities were marked onsite at the Wayne Avenue and Railroad Avenue curbs with appropriate colors; unknown features were marked in pink spray paint.

Refer to Appendix B for a copy of the geophysical survey report, which provides additional details regarding the geophysical survey equipment and methodology.

3.2 Drilling Equipment

Between July 2, 2018 and July 11, 2018, ERC subcontracted with Probe Support Services of Denville, NJ to provide drilling equipment. ERC Services Group environmental technicians advanced the borings at the Site property with Geoprobe 7822DT sampling equipment. Sampling equipment was decontaminated between sample intervals and boring locations to prevent cross-contamination. Kubota excavation equipment was also present onsite to dig test pits.

3.3 Boring Locations

Borings were advanced in the vicinity of the soil piles, in the vicinity of the former garage area, including the area where a suspect former UST was discovered, and in the southwestern corner of the property as close to the former Temco uniform site as possible. Boring placement was determined by the environmental professional based on proximity to structures, assumed groundwater flow direction based on topography, and proximity to suspicious areas, as well as professional judgment.

3.4 Soil Sampling

The ground surface was overlain by topsoil. The ground surface was penetrated using the Geoprobe 7822DT rotary auger with carbide tip. Borings were advanced until drill cuttings became

saturated with groundwater, at which point, the boring was advanced a minimum of an additional five (5) feet to allow for a sufficient rise in static water in the well to purge the well.

Surface soil samples were collected in the vadose zone between 0.5- 3.0', or within the soil piles onsite, above the surface of the ground. ERC utilized a Garmin 2597 LMT GPS unit in conjunction with Google Earth Pro for obtaining coordinates from each sample location, which were field mapped on a portable laptop. Select intervals were field-screened with a photoionization detector (PID) calibrated to isobutylene. PID readings up to 7 parts per million (ppm) were observed in soils recovered from the ground surface until groundwater was encountered.

Based on the Phase I ESA findings, ERC biased the location of the most comprehensive sampling parameters to the areas where the vehicle crane, soil piles, and where vehicles were stripped and reportedly burned. In these areas, seven (7) soil samples were selected for laboratory analysis and were sampled directly from the soil piles and subsurface and manually placed into laboratory-supplied, sixteen-ounce, wide-mouth, unpreserved glass jar, which were sealed with a threaded, Teflon-lined lid for submittal of samples for the following analyses:

Gasoline range organics (GRO)
 Diesel range organics (DRO),
 Polychlorinated Biphenyls (PCB's)
 Pesticides
 Inductively coupled plasma mass spectrometry Metals (ICP Metals)
 Toxicity characteristic leaching procedure Metals (TCLP Metals)
 Volatile Organics + a 15 compound library search (VO+15)
 Base Neutral + a 25 compound library search (BNA+25)

An additional seventeen (17) soil samples were obtained from the soil piles and subsurface, at depths ranging from 0.5 - 3.0' bsg, for a total of twenty-four (24) soil samples taken sitewide. These were selected for laboratory analysis and were sampled directly from the soil piles and subsurface and manually placed into laboratory-supplied, sixteen-ounce, wide-mouth, unpreserved glass jar, which were sealed with a threaded, Teflon-lined lid for submittal of samples for the following analyses:

Gasoline range organics (GRO)
 Diesel range organics (DRO)
 Inductively coupled plasma mass spectrometry Metals (ICP Metals)

The jars were filled with soil to capacity to minimize headspace and reduce the potential for volatilization. The jars were labeled for identification, and stored in an iced cooler. The soil samples

were collected from either depths corresponding to the area directly above observed saturated soils or from the location of highest PID readings.

3.6 Groundwater Sampling

Groundwater samples were collected from three boring locations by withdrawing the drill rods from the subsurface and installing two-inch diameter temporary groundwater sampling points within the open boreholes. Each temporary groundwater sampling point consisted of multiple sections of five-foot long, 0.010-inch factory-slotted polyvinyl chloride (PVC) screen and non-slotted solid PVC riser section five (5) feet in length. Total depth were 32' bsg in MW-1 and MW-3, and 25' bsg in MW-2.

Groundwater samples were retrieved from two (2) of the three (3) well points, MW-1 and MW-3. Although initially containing groundwater, MW-2 was dry on two separate occasions that ERC attempted to obtain a sample. This occurs when a perched water table is intersected and not enough water is present to provide a sample. ERC strongly recommends that a new monitoring well be installed in a nearby location, as MW-2 was the area where the heaviest soil contamination was present.

Each well-point was measured using a static water interface probe with free-product auditory signal, and the following physiochemical parameters were measured: temperature, pH, dissolved oxygen (DO), oxidation reduction potential (ORP), and turbidity. Three to five well volumes were purged from each well using a submersible pump and dedicated plastic tubing, which was decontaminated between each well, and before and after purging.

Groundwater samples were retrieved from each temporary groundwater sampling point using a dedicated Teflon™ bailer and conveyed into two hydrochloric acid-preserved VOA vials for submittal of samples for EPA Method 8260 analysis and into two one-liter unpreserved amber glass jars for submittal of samples for EPA Method 8270 analysis. Each vial and jar was filled with no observable headspace or air bubbles to minimize the potential for volatilization, labeled for identification, and stored in an iced cooler. New bailers were used for each temporary groundwater sampling point.

3.7 Post-Sampling Activities

Temporary groundwater sampling points will be removed from the subsurface and the boreholes will be backfilled with concrete slurry at the conclusion of remediation activities onsite. Boreholes advanced in improved areas will be capped with concrete to match existing ground cover after being backfilled. No significant amounts of derived wastes were generated during this investigation.

4.0 LABORATORY ANALYSIS

4.1 Laboratory Analysis

ERC collected twenty-four (24) soil samples on July 2-5, 2018 and two groundwater samples on July 23, 2018 and July 30, 2018, which were transported in an iced cooler under proper chain-of-custody protocol to Aqua Pro-Tech Laboratories in Fairfield, New Jersey, a state-certified laboratory National [Environmental Laboratory Accreditation Program (NELAP) certificated laboratory for analysis. Seven (7) soil samples were analyzed for:

- Gasoline range organics (GRO)
- Diesel range organics (DRO),
- Polychlorinated Biphenyls (PCB's)
- Pesticides
- Inductively coupled plasma mass spectrometry Metals (ICP Metals)
- Toxicity characteristic leaching procedure Metals (TCLP Metals)
- Volatile Organics + a 15 compound library search (VO+15)
- Base Neutral + a 25 compound library search (BNA+25)

An additional seventeen (17) samples were analyzed for:

- Gasoline range organics (GRO)
- Diesel range organics (DRO)
- Inductively coupled plasma mass spectrometry Metals (ICP Metals)

Groundwater samples were analyzed for EPA 8260/8270 plus Select Ion Monitoring (SIM) analysis.

The Site property is currently zoned "commercial". As the future intended use of the property was stated by the client to be "commercial or industrial" use, ERC compared all samples to the applicable non-residential commercial soil remediation standards as found in New York State Department of Environmental Conservation (NYSDEC) 6 NYCRR PART 375 Environmental Remediation Programs Subparts 375-1 to 375- 4 & 375-6. ERC did not use the "Protection of Groundwater" standard, as no groundwater contamination was discovered at the time of this writing. Should groundwater impacts be discovered during the course of remediation, ERC shall compare the post-excavation soil samples against the applicable "Protection of Groundwater" standard and advise the client accordingly. All soil and groundwater samples were compared to the applicable New York State permissible maximum contamination level (MCL) for each compound.

4.2 Laboratory Analytical Results

Laboratory analytical results are included in Appendix C and discussed below.

4.2.1 Soil Sample Analytical Results

Metals: Analytical results revealed that samples for ICP and TCLP Metals were in exceedence of the New York State Department of Environmental Conservation (NYSDEC) non-residential commercial soil remediation standard for the following metals: Lead, Barium, Zinc, Cadmium, and Copper.

Polychlorinated Biphenyls (PCB's): PCB's were found in exceedence of the NYSDEC non-residential commercial soil remediation standard of 1 ppm in three of the seven samples analyzed.

Total Petroleum Hydrocarbons- Diesel Range Organics: Analytical results revealed that samples ranging from non-detected (ND) to 27,800 ppm, indicating that a release of petroleum hydrocarbons was present onsite.

Semi-Volatile Organic Compounds (SVOC's): Analytical results revealed that samples were in exceedence for the following compounds: Benzo(a)pyrene.

Volatile Organic Compounds (VOC's): Analytical results revealed that all VOC compounds were below the NYSDEC non-residential commercial soil remediation standard, and are not considered a concern at this time.

Total Petroleum Hydrocarbons- Gasoline Range Organics: Analytical results revealed that samples ranging from non-detected (ND) to 61.6 ppm, indicating that a release of gasoline range organics was minimal, and not considered a concern at this time.

Pesticides: Analytical results revealed that all pesticide compounds were below the NYSDEC non-residential commercial soil remediation standard, and are not considered a concern at this time.

4.2.2 Groundwater Sample Analytical Results

All groundwater samples analyzed were below the NYSDEC Class GA Criteria (GA Criteria) and NYSDEC Division of Water Technical and Operation Guidance Series 1.1.1 (TOGS 1.1.1) for all compounds. The authority for these values is derived from Article 17 of the Environmental Conservation Law and 6 NYCRR Parts 700-706, Water Quality Regulations. Analytical results were compared with the most stringent Unrestricted Use criteria

4.2.3 Vapor Intrusion

As no buildings are present onsite at this time, vapor intrusion is not considered a concern at this time.

5.0 DISCUSSION AND CONCLUSIONS

5.1 Regulatory Agency Guidance

The regulatory guidance used by ERC as part of the Phase II Subsurface Investigation is presented below. The soil analytical results were compared to:

- New York State Department of Environmental Conservation (NYSDEC) Non-Residential Commercial Use, Document CP-51 outlined in Part 375-6 and CP-51: Soil Cleanup Guidance (Fuel Oil and Gasoline Contaminated)

The groundwater analytical results were compared to:

- NYSDEC Class GA Criteria; NYSDEC Division of Water Technical and Operation Guidance Series 1.1.1 (TOGS 1.1.1)
- New York State Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006, most recent update as per this writing is May 2017. This is the screening level for potential vapor intrusion concerns. No vapor intrusion concerns exist at this time.

5.2 Discussion

Soils

Soil samples analyzed were above the New York State Department of Environmental Conservation (NYSDEC) Commercial Use Soil Cleanup Criteria as outlined in Part 375-6 and CP-51: Soil Cleanup Guidance (Fuel Oil and Gasoline Contaminated). Additionally, metals analysis were above the NYSDEC Commercial Use Soil Cleanup Criteria as outlined in Part 375-6.

Groundwater

All groundwater samples analyzed were below the NYSDEC Class GA Criteria (GA Criteria) and TOGS 1.1.1 for all compounds. Analytical results were compared with the most stringent Unrestricted Use criteria.

5.3 Summary and Conclusions

ERC conducted a Phase II Subsurface Investigation at the subject property to investigate the potential impact of petroleum hydrocarbons, VOCs, PCB's Metals, Pesticides, and/or SVOCs to soil as a consequence of a release or releases from a former auto wrecking facility. The scope of the Phase II Subsurface Investigation included a geophysical survey and the advancement of three borings to facilitate the collection and analysis of groundwater samples. ERC excavated test-pit areas and sampled existing soil piles and obtained a total of twenty-four (24) samples from the areas identified in the Phase I as RBCs. Seven (7) discreet soil samples were analyzed for BNA+25, ICP Metals, PCB's, TCLP Metals, Pesticides, and SVOC's. An additional seventeen (17) soil samples were analyzed for Metals and VO/SVOC, and GRO/DRO analysis.

Soil samples analyzed were in exceedence of the New York State Department of Environmental Conservation (NYSDEC) Non-Residential Commerical Use, outlined in Part 375-6 and CP-51: Soil Cleanup Guidance (Fuel Oil and Gasoline Contaminated).

Static groundwater was encountered at approximately 19-20' bsg in two of the three monitoring wells. A third monitoring well did not contain enough water to retrieve a sample and therefore, ERC recommends the re-installation of a deeper well in the same location. This recommendation is based on soil sample results that were highest in this location. Two (2) groundwater samples were analyzed for TCL BN+15, VO+15 plus TICs, with Select Ion Monitoring (SIMs) via Method EPA 8260/8270. All groundwater samples analyzed were below the NYSDEC Class GA Criteria (GA Criteria) for all compounds. Analytical results were compared with the most stringent Unrestricted Use criteria.

The geophysical survey identified no suspicious areas within 30' perimeter of the concrete slab (former garage building). No evidence of UST's were found in these locations.

Based on these results, it is the environmental professional's opinion that soil remediation of the existing soil piles, and the areas in exceedence of the NYSDEC soil remediation standard be performed. ERC recommends additional investigation of the soil beneath the soil piles and post-excavation sampling to document that all remaining soil is below NYSDEC non-residential commercial standards. A new permanent monitoring well should be installed in the location of MW-2, or in the location of the current soil pile, to assess groundwater and should be installed to a minimum of 40' in depth, as groundwater here appears to be deeper than other parts of the property.

A NYS licensed professional engineer or professional geologist meeting the criteria of NYSDEC DER-10 [see definition 1.3 (b) (47)] should be consulted for the remainder of the project.

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Also, structures with aluminum siding are unable to be scanned within a 5' radius. Additionally, Bilco doors are unable to be scanned within a 5' radius. Detached garages and sheds are not scanned as part of the main structure scan. Fiberglass, septic and/or concrete tanks may not be located due to lack of metallic components. Underground utilities may impede scanning within a 3' radius of the utility. Tank search reports are valid for the date of the service as on-site conditions can change. This report reflects a scan for underground heating oil tanks only. This report is non-transferable.

The findings in this report are guaranteed for unobstructed areas within the above specified scan radius and depth on the perimeter of the structure. If an underground oil tank is located based on these parameters, please contact Advanced Tank Services immediately.

Very truly yours,

Charles Tiso

our map.









Click here to request additional or contingent analyses for this Sample ID.

Click here to request additional or contingent analyses for this Sample ID.								
Sample ID	Project #	Sample Date	MDL	RL	Results Listed Below	Units	Limit	
3NA+25	SW 846 8270D	07/12/2018 15:56	-	-	Results Listed Below	-	-	
Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
n-Nitroso-dimethylamine	U	A	0.271	0.761	5	ND	mg/kg	
Phenol	U	A	0.0618	0.761	5	ND	mg/kg	
bis(2-chloroethyl)ether	U	A	0.0835	0.761	5	ND	mg/kg	
2-Chlorophenol	U	A	0.101	0.761	5	ND	mg/kg	
bis(2-chloroisopropyl)ether	U	A	0.274	0.761	5	ND	mg/kg	
n-Nitroso-di-n-propylamine	U	A	0.0408	0.761	5	ND	mg/kg	
Hexachloroethane	U	A	0.0835	0.761	5	ND	mg/kg	
Nitrobenzene	U	A	0.129	0.761	5	ND	mg/kg	
Isophorone	U	A	0.0499	0.761	5	ND	mg/kg	
2-Nitrophenol	U	A	0.0847	0.761	5	ND	mg/kg	
2,4-Dimethylphenol	U	A	0.0750	0.761	5	ND	mg/kg	
bis(2-chloroethoxy)methane	U	A	0.105	0.761	5	ND	mg/kg	
2,4-Dichlorophenol	U	A	0.0767	0.761	5	ND	mg/kg	
1,2,4-Trichlorobenzene	U	A	0.0784	0.761	5	ND	mg/kg	
Naphthalene	JD	A	0.0564	0.761	5	0.218	mg/kg	6
Hexachlorobutadiene	U	A	0.366	0.761	5	ND	mg/kg	
4-Chloro-3-methylphenol	U	A	0.120	0.761	5	ND	mg/kg	
Hexachlorocyclopentadiene	U	A	0.318	1.91	5	ND	mg/kg	
2,4,6-Trichlorophenol	U	A	0.0477	0.761	5	ND	mg/kg	
2-Chloronaphthalene	U	A	0.0876	0.761	5	ND	mg/kg	
Dimethylphthalate	U	A	0.0473	0.761	5	ND	mg/kg	
Acenaphthylene	JD	A	0.0265	0.761	5	0.606	mg/kg	NA
2,6-Dinitrotoluene	U	A	0.182	0.761	5	ND	mg/kg	
Acenaphthene	U	A	0.0434	0.761	5	ND	mg/kg	
2,4-Dinitrophenol	U	A	0.110	3.82	5	ND	mg/kg	
4-Nitrophenol	U	A	0.0488	0.761	5	ND	mg/kg	
2,4-Dinitrotoluene	U	A	0.0813	0.761	5	ND	mg/kg	
Fluorene	U	A	0.0635	0.761	5	ND	mg/kg	
Diethylphthalate	U	A	0.148	0.761	5	ND	mg/kg	
4-Chlorophenyl phenyl ether	U	A	0.0411	0.761	5	ND	mg/kg	
6-Dinitro-2-methylphenol	U	A	0.144	1.91	5	ND	mg/kg	
Nitrosodiphenylamine	U	A	0.163	0.761	5	ND	mg/kg	
2-Diphenylhydrazine	U	A	0.0830	0.761	5	ND	mg/kg	
Bromophenyl-phenyl ether	U	A	0.109	0.761	5	ND	mg/kg	
Hexachlorobenzene	U	A	0.0996	0.761	5	ND	mg/kg	
Pentachlorophenol	U	A	0.105	1.91	5	ND	mg/kg	
Phenanthrene	D	A	0.100	0.761	5	2.76	mg/kg	NA
Anthracene	D	A	0.110	0.761	5	1.20	mg/kg	17000
Di-n-butylphthalate	U	A	0.311	0.761	5	ND	mg/kg	
Fluoranthene	D	A	0.0715	0.761	5	5.59	mg/kg	2300
Benzidine	U	A	1.74	1.91	5	ND	mg/kg	
Pyrene	D	A	0.0560	0.761	5	4.70	mg/kg	1700
Butylbenzylphthalate	JD	A	0.0692	0.761	5	0.636	mg/kg	1200
Benzo(a)anthracene	D	A	0.0767	0.761	5	3.59	mg/kg	5
3,3'-Dichlorobenzidine	U	A	0.0801	0.761	5	ND	mg/kg	
Chrysene	D	A	0.0522	0.761	5	3.60	mg/kg	450
bis(2-ethylhexyl)phthalate	U	A	0.152	0.761	5	ND	mg/kg	
Di-n-octylphthalate	U	A	0.156	0.761	5	ND	mg/kg	

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Sample	Method	Analysis Date	MDL	RL	Results	Units	Limit	
3NA+25	SW 846 8270D	07/12/2018 15:56	-	-	Results Listed Below	-	-	
Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
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Phenol	U	A	0.0618	0.761	5	ND	mg/kg	
bis(2-chloroethyl)ether	U	A	0.0835	0.761	5	ND	mg/kg	
2-Chlorophenol	U	A	0.101	0.761	5	ND	mg/kg	
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Nitrobenzene	U	A	0.129	0.761	5	ND	mg/kg	
Isophorone	U	A	0.0499	0.761	5	ND	mg/kg	
2-Nitrophenol	U	A	0.0847	0.761	5	ND	mg/kg	
2,4-Dimethylphenol	U	A	0.0750	0.761	5	ND	mg/kg	
bis(2-chloroethoxy)methane	U	A	0.105	0.761	5	ND	mg/kg	
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Hexachlorobutadiene	U	A	0.366	0.761	5	ND	mg/kg	
4-Chloro-3-methylphenol	U	A	0.120	0.761	5	ND	mg/kg	
Hexachlorocyclopentadiene	U	A	0.318	1.91	5	ND	mg/kg	
2,4,6-Trichlorophenol	U	A	0.0477	0.761	5	ND	mg/kg	
2-Chloronaphthalene	U	A	0.0876	0.761	5	ND	mg/kg	
Dimethylphthalate	U	A	0.0473	0.761	5	ND	mg/kg	
Acenaphthylene	JD	A	0.0265	0.761	5	0.606	mg/kg	NA
2,6-Dinitrotoluene	U	A	0.182	0.761	5	ND	mg/kg	
Acenaphthene	U	A	0.0434	0.761	5	ND	mg/kg	
2,4-Dinitrophenol	U	A	0.110	3.82	5	ND	mg/kg	
4-Nitrophenol	U	A	0.0488	0.761	5	ND	mg/kg	
2,4-Dinitrotoluene	U	A	0.0813	0.761	5	ND	mg/kg	
Fluorene	U	A	0.0635	0.761	5	ND	mg/kg	
Diethylphthalate	U	A	0.148	0.761	5	ND	mg/kg	
4-Chlorophenyl phenyl ether	U	A	0.0411	0.761	5	ND	mg/kg	
4,6-Dinitro-2-methylphenol	U	A	0.144	1.91	5	ND	mg/kg	
n-Nitrosodiphenylamine	U	A	0.163	0.761	5	ND	mg/kg	
1,2-Diphenylhydrazine	U	A	0.0830	0.761	5	ND	mg/kg	
4-Bromophenyl-phenyl ether	U	A	0.109	0.761	5	ND	mg/kg	
Hexachlorobenzene	U	A	0.0996	0.761	5	ND	mg/kg	
Pentachlorophenol	U	A	0.105	1.91	5	ND	mg/kg	
Phenanthrene	D	A	0.100	0.761	5	2.76	mg/kg	NA
Anthracene	D	A	0.110	0.761	5	1.20	mg/kg	17000
Di-n-butylphthalate	U	A	0.311	0.761	5	ND	mg/kg	
Fluoranthene	D	A	0.0715	0.761	5	5.59	mg/kg	2300
Benzidine	U	A	1.74	1.91	5	ND	mg/kg	
Pyrene	D	A	0.0560	0.761	5	4.70	mg/kg	1700
Butylbenzylphthalate	JD	A	0.0692	0.761	5	0.636	mg/kg	1200
Benzo(a)anthracene	D	A	0.0767	0.761	5	3.59	mg/kg	5
3,3'-Dichlorobenzidine	U	A	0.0801	0.761	5	ND	mg/kg	
Chrysene	D	A	0.0522	0.761	5	3.60	mg/kg	450
bis(2-ethylhexyl)phthalate	U	A	0.152	0.761	5	ND	mg/kg	
Di-n-octylphthalate	U	A	0.156	0.761	5	ND	mg/kg	

Benzo(b)fluoranthene	D	A	0.107	0.761	5	5.56	mg/kg	5 *
Benzo(k)fluoranthene	D	A	0.0876	0.761	5	1.77	mg/kg	45
Benzo(a)pyrene	D	A	0.133	0.761	5	3.35	mg/kg	.5 *
Indeno(1,2,3-cd)pyrene	D	A	0.0818	0.761	5	1.21	mg/kg	5
Dibenzo(a,h)anthracene	JD	A	0.0755	0.761	5	0.414	mg/kg	.5
Benzo(g,h,i)perylene	D	A	0.0618	0.761	5	1.18	mg/kg	380000
Anthracene, -methyl-isomer	JD	T			5	1.81	mg/kg	
Tentatively Identified Compounds	J	T			5	1.81	mg/kg	

Test	Reference	Time	MDL	RL	Dilution	Result	Units	Limit
Cyanide	SW 846 9014	07/09/2018 17:02		0.286		ND	mg/kg	
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.43		18.3	mg/kg	31
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.43		6.64	mg/kg	19
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0286		0.389	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.286		22.4	mg/kg	78
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.286		48.6	mg/kg	
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.286		664	mg/kg	3100
ICP Lead	SW 846 6010C	07/23/2018 13:55		143		13600	mg/kg	400 *
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.143		130	mg/kg	1600
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.43		ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.572		ND	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.43		ND	mg/kg	
ICP Zinc	SW 846 6010C	07/23/2018 13:51		85.8		14000	mg/kg	23000
Mercury	SW 846 7471B	07/17/2018 14:12		0.0549		0.239	mg/kg	23
PCBs	SW 846 8082	07/16/2018 12:19	-	-		Results Listed Below	-	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Aroclor-1016	U	A	0.000673	0.0378	1	ND	mg/kg	
Aroclor-1221	U	A	0.00116	0.0378	1	ND	mg/kg	
Aroclor-1232	U	A	0.000889	0.0378	1	ND	mg/kg	
Aroclor-1242	U	A	0.00128	0.0378	1	ND	mg/kg	
Aroclor-1248	U	A	0.000886	0.0378	1	ND	mg/kg	
Aroclor-1254	U	A	0.00135	0.0378	1	ND	mg/kg	
Aroclor-1260		A	0.000996	0.0378	1	ND	mg/kg	
Total PCBs		A	0.000673	0.0378	1	1.08	mg/kg	0.2 *
					1	N/A	mg/kg	0.2

Test	Reference	Time	MDL	RL	Dilution	Result	Units	Limit
Pesticides	SW 846 8081A	07/16/2018 15:43	-	-		Results Listed Below	-	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Aldrin	U	A	0.000924	0.00149	1	ND	mg/kg	
alpha-BHC	U	A	0.000576	0.00149	1	ND	mg/kg	
beta-BHC	U	A	0.00146	0.00149	1	ND	mg/kg	
delta-BHC	U	A	0.00115	0.00149	1	ND	mg/kg	
Dieldrin	U	A	0.000801	0.00149	1	ND	mg/kg	
Endosulfan I	U	A	0.00103	0.00149	1	ND	mg/kg	
Endosulfan II	U	A	0.000809	0.00149	1	ND	mg/kg	
Endosulfan sulfate	U	A	0.000809	0.00149	1	ND	mg/kg	
Endrin	U	A	0.000763	0.00149	1	ND	mg/kg	
Endrin aldehyde	U	A	0.000635	0.00149	1	ND	mg/kg	
Toxaphene	U	A	0.0231	0.0755	1	ND	mg/kg	
gamma-BHC (Lindane)	U	A	0.000680	0.00149	1	ND	mg/kg	
4,4'-DDT	U	A	0.000714	0.00149	1	ND	mg/kg	
4,4'-DDE	U	A	0.00105	0.00149	1	ND	mg/kg	
4,4'-DDD	U	A	0.000901	0.00149	1	ND	mg/kg	
Methoxychlor	U	A	0.000947	0.00149	1	ND	mg/kg	

Heptachlor Epoxide	U	A	0.000930	0.00149	1	ND	mg/kg
Heptachlor	U	A	0.000870	0.00149	1	ND	mg/kg
Chlordane	U	A	0.000999	0.00149	1	ND	mg/kg

Test	Method	Date/Time	MDL	RL	Dilution	Result	Units	Limit
Phenols	SW 846 9065	07/18/2018 09:34		5.72		ND	mg/kg	
VO+15	SW 846 82608	07/12/2018 11:24	-	-		Results Listed Below	-	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Dichlorodifluoromethane	U	A	0.000773	0.00229	1	ND	mg/kg	
Chloromethane	U	A	0.000881	0.00229	1	ND	mg/kg	
Vinyl chloride	U	A	0.000435	0.00229	1	ND	mg/kg	
Bromomethane	U	A	0.000660	0.00229	1	ND	mg/kg	
Chloroethane	U	A	0.000390	0.00229	1	ND	mg/kg	
Trichlorofluoromethane	U	A	0.000263	0.00229	1	ND	mg/kg	
Acrolein	U	A	0.00124	0.00229	1	ND	mg/kg	
1,1-Dichloroethene	U	A	0.000423	0.00229	1	ND	mg/kg	
Methylene Chloride	U	A	0.000688	0.00229	1	ND	mg/kg	
Acrylonitrile	U	A	0.000534	0.00229	1	ND	mg/kg	
trans-1,2-Dichloroethene	U	A	0.000310	0.00229	1	ND	mg/kg	
1,1-Dichloroethane	U	A	0.000334	0.00229	1	ND	mg/kg	
cis-1,2-Dichloroethene	U	A	0.000111	0.00229	1	ND	mg/kg	
Chloroform	U	A	0.000385	0.00229	1	ND	mg/kg	
1,1,1-Trichloroethane	U	A	0.000334	0.00229	1	ND	mg/kg	
Carbon Tetrachloride	U	A	0.000344	0.00229	1	ND	mg/kg	
1,2-Dichloroethane	U	A	0.000323	0.00229	1	ND	mg/kg	
Benzene	U	A	0.000208	0.00229	1	ND	mg/kg	
Trichloroethene	U	A	0.000336	0.00229	1	ND	mg/kg	
1,2-Dichloropropane	U	A	0.000375	0.00229	1	ND	mg/kg	
Bromodichloromethane	U	A	0.000287	0.00229	1	ND	mg/kg	
2-Chloroethylvinyl Ether	U	A	0.000494	0.00229	1	ND	mg/kg	
cis-1,3-Dichloropropene	U	A	0.000290	0.00229	1	ND	mg/kg	
Toluene	U	A	0.000184	0.00229	1	ND	mg/kg	
trans-1,3-Dichloropropene	U	A	0.000437	0.00229	1	ND	mg/kg	
1,1,2-Trichloroethane	U	A	0.000386	0.00229	1	ND	mg/kg	
Tetrachloroethene	U	A	0.000227	0.00229	1	ND	mg/kg	
Dibromochloromethane	U	A	0.000282	0.00229	1	ND	mg/kg	
Chlorobenzene	U	A	0.000332	0.00229	1	ND	mg/kg	
1,1,2,2-Tetrachloroethane	U	A	0.000316	0.00229	1	ND	mg/kg	
EthylBenzene	U	A	0.000310	0.00229	1	ND	mg/kg	
Bromoform	U	A	0.000402	0.00229	1	ND	mg/kg	
1,3-Dichlorobenzene	U	A	0.000168	0.00229	1	ND	mg/kg	
1,4-Dichlorobenzene	U	A	0.000330	0.00229	1	ND	mg/kg	
1,2-Dichlorobenzene	U	A	0.000404	0.00229	1	ND	mg/kg	
Naphthalene, 1,3-dimethyl-	J	T			1	0.00637	mg/kg	
Naphthalene, 1,5-dimethyl-	J	T			1	0.00688	mg/kg	
Total Xylenes	U	A	0.000294	0.00229	1	ND	mg/kg	
Tentatively Identified Compounds	J	T			1	0.0132	mg/kg	

Test	Method	Date/Time	MDL	RL	Dilution	Result	Units	Limit
Percent Solids	Gravimetric	07/06/2018 10:55				87.4	%	

Click here to request additional or contingent analyses for this Sample ID.

Test	Method	Date/Time	MDL	RL	Dilution	Result	Units	Limit
BNA+25	SW 846 8270D	07/12/2018 15:56	-	-		Results Listed	-	-

Analyte	Qualifier	Type	MDL	RL	Below		Units	Limit
					Dilution	Result		
n-Nitroso-dimethylamine	U	A	0.273	0.766	5	ND	mg/kg	
Phenol	U	A	0.0622	0.766	5	ND	mg/kg	
bis(2-chloroethyl)ether	U	A	0.0841	0.766	5	ND	mg/kg	
2-Chlorophenol	U	A	0.101	0.766	5	ND	mg/kg	
bis(2-chloroisopropyl)ether	U	A	0.276	0.766	5	ND	mg/kg	
n-Nitroso-di-n-propylamine	U	A	0.0410	0.766	5	ND	mg/kg	
Hexachloroethane	U	A	0.0841	0.766	5	ND	mg/kg	
Nitrobenzene	U	A	0.130	0.766	5	ND	mg/kg	
Isophorone	U	A	0.0502	0.766	5	ND	mg/kg	
2-Nitrophenol	U	A	0.0852	0.766	5	ND	mg/kg	
2,4-Dimethylphenol	U	A	0.0754	0.766	5	ND	mg/kg	
bis(2-chloroethoxy)methane	U	A	0.106	0.766	5	ND	mg/kg	
2,4-Dichlorophenol	U	A	0.0771	0.766	5	ND	mg/kg	
1,2,4-Trichlorobenzene	U	A	0.0789	0.766	5	ND	mg/kg	
Naphthalene	JD	A	0.0568	0.766	5	0.274	mg/kg	6
Hexachlorobutadiene	U	A	0.368	0.766	5	ND	mg/kg	
4-Chloro-3-methylphenol	U	A	0.121	0.766	5	ND	mg/kg	
Hexachlorocyclopentadiene	U	A	0.320	1.92	5	ND	mg/kg	
2,4,6-Trichlorophenol	U	A	0.0480	0.766	5	ND	mg/kg	
2-Chloronaphthalene	U	A	0.0881	0.766	5	ND	mg/kg	
Dimethylphthalate	JD	A	0.0476	0.766	5	0.194	mg/kg	
Acenaphthylene	JD	A	0.0267	0.766	5	0.691	mg/kg	NA
2,6-Dinitrotoluene	U	A	0.183	0.766	5	ND	mg/kg	
Acenaphthene	U	A	0.0437	0.766	5	ND	mg/kg	
2,4-Dinitrophenol	U	A	0.111	3.84	5	ND	mg/kg	
4-Nitrophenol	U	A	0.0491	0.766	5	ND	mg/kg	
2,4-Dinitrotoluene	U	A	0.0818	0.766	5	ND	mg/kg	
Fluorene	U	A	0.0639	0.766	5	ND	mg/kg	
Diethylphthalate	U	A	0.149	0.766	5	ND	mg/kg	
4-Chlorophenyl phenyl ether	U	A	0.0414	0.766	5	ND	mg/kg	
4,6-Dinitro-2-methylphenol	U	A	0.145	1.92	5	ND	mg/kg	
n-Nitrosodiphenylamine	U	A	0.164	0.766	5	ND	mg/kg	
1,2-Diphenylhydrazine	U	A	0.0835	0.766	5	ND	mg/kg	
4-Bromophenyl-phenyl ether	U	A	0.109	0.766	5	ND	mg/kg	
Hexachlorobenzene	U	A	0.100	0.766	5	ND	mg/kg	
Pentachlorophenol	U	A	0.105	1.92	5	ND	mg/kg	
Phenanthrene	D	A	0.101	0.766	5	2.57	mg/kg	NA
Anthracene	D	A	0.111	0.766	5	1.09	mg/kg	17000
Di-n-butylphthalate	JD	A	0.313	0.766	5	0.659	mg/kg	6100
Fluoranthene	D	A	0.0720	0.766	5	4.27	mg/kg	2300
Benzidine	U	A	1.75	1.92	5	ND	mg/kg	
Pyrene	D	A	0.0564	0.766	5	3.48	mg/kg	1700
Butylbenzylphthalate	D	A	0.0697	0.766	5	1.37	mg/kg	1200
Benzo(a)anthracene	D	A	0.0771	0.766	5	2.12	mg/kg	5
3,3'-Dichlorobenzidine	U	A	0.0806	0.766	5	ND	mg/kg	
Chrysene	D	A	0.0525	0.766	5	2.31	mg/kg	450
bis(2-ethylhexyl)phthalate	D	A	0.153	0.766	5	1.46	mg/kg	35
Di-n-octylphthalate	U	A	0.157	0.766	5	ND	mg/kg	
Benzo(b)fluoranthene	D	A	0.108	0.766	5	3.70	mg/kg	5
Benzo(k)fluoranthene	D	A	0.0881	0.766	5	1.21	mg/kg	45
Benzo(a)pyrene	D	A	0.134	0.766	5	2.22	mg/kg	.5 *
Indeno(1,2,3-cd)pyrene	D	A	0.0823	0.766	5	0.991	mg/kg	5

Dibenzo(a,h)anthracene	JD	A	0.0760	0.766	5	0.320	mg/kg	.5
Benzo(g,h,i)perylene	D	A	0.0622	0.766	5	1.04	mg/kg	380000
Cyclohexasiloxane, dodecamethyl- isomer	JD	T			5	1.62	mg/kg	
Tentatively Identified Compounds	J	T			5	1.62	mg/kg	

ICSI	Sample	Date/Time	MDL	RL	Dilution	Result	Units	Limit
Cyanide	SW 846 9014	07/16/2018 15:31		0.288	ND		mg/kg	
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.44	11.2		mg/kg	31
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.44	6.13		mg/kg	19
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0288	0.403		mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.288	28.4		mg/kg	78
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.288	57.6		mg/kg	
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.288	743		mg/kg	3100
ICP Lead	SW 846 6010C	07/23/2018 13:55		144	14600		mg/kg	400 *
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.144	191		mg/kg	1600
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.44	ND		mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.576	ND		mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.44	ND		mg/kg	
ICP Zinc	SW 846 6010C	07/23/2018 13:51		86.4	13200		mg/kg	23000
Mercury	SW 846 7471B	07/17/2018 14:12		0.0564	0.289		mg/kg	23
PCBs	SW 846 8082	07/16/2018 12:19	-	-	Results Listed Below		-	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Aroclor-1016	U	A	0.000677	0.0380	1	ND	mg/kg	
Aroclor-1221	U	A	0.00117	0.0380	1	ND	mg/kg	
Aroclor-1232	U	A	0.000895	0.0380	1	ND	mg/kg	
Aroclor-1242	U	A	0.00129	0.0380	1	ND	mg/kg	
Aroclor-1248	U	A	0.000891	0.0380	1	ND	mg/kg	
Aroclor-1254	U	A	0.00136	0.0380	1	ND	mg/kg	
Aroclor-1260		A	0.00100	0.0380	1	1.48	mg/kg	0.2 *
Total PCBs		A	0.000677	0.0380	1	N/A	mg/kg	0.2

Test	Sample	Date/Time	MDL	RL	Dilution	Result	Units	Limit
Pesticides	SW 846 8081A	07/16/2018 15:43	-	-	Results Listed Below		-	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Aldrin	U	A	0.000929	0.00150	1	ND	mg/kg	
alpha-BHC	U	A	0.000579	0.00150	1	ND	mg/kg	
beta-BHC	U	A	0.00147	0.00150	1	ND	mg/kg	
delta-BHC	U	A	0.00116	0.00150	1	ND	mg/kg	
Dieldrin	U	A	0.000806	0.00150	1	ND	mg/kg	
Endosulfan I	U	A	0.00104	0.00150	1	ND	mg/kg	
Endosulfan II	U	A	0.000814	0.00150	1	ND	mg/kg	
Endosulfan sulfate	U	A	0.000814	0.00150	1	ND	mg/kg	
Endrin	U	A	0.000768	0.00150	1	ND	mg/kg	
Endrin aldehyde	U	A	0.000639	0.00150	1	ND	mg/kg	
Toxaphene	U	A	0.0233	0.0760	1	ND	mg/kg	
gamma-BHC (Lindane)	U	A	0.000684	0.00150	1	ND	mg/kg	
4,4'-DDT	U	A	0.000718	0.00150	1	ND	mg/kg	
4,4'-DDE	U	A	0.00106	0.00150	1	ND	mg/kg	
4,4'-DDD	U	A	0.000906	0.00150	1	ND	mg/kg	
Methoxychlor	U	A	0.000952	0.00150	1	ND	mg/kg	
Heptachlor Epoxide	U	A	0.000936	0.00150	1	ND	mg/kg	
Heptachlor	U	A	0.000875	0.00150	1	ND	mg/kg	
Chlordane	U	A	0.00101	0.00150	1	ND	mg/kg	

Test	Sample	Date/Time	MDL	RL	Dilution	Result	Units	Limit
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Phenols	SW 846 9065	07/18/2018 09:34		5.76	ND	mg/kg	
VO+15	SW 846 8260B	07/12/2018 11:24	-	-	Results Listed Below	-	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Dichlorodifluoromethane	U	A	0.000777	0.00230	1	ND	mg/kg	
Chloromethane	U	A	0.000887	0.00230	1	ND	mg/kg	
Vinyl chloride	U	A	0.000438	0.00230	1	ND	mg/kg	
Bromomethane	U	A	0.000664	0.00230	1	ND	mg/kg	
Chloroethane	U	A	0.000393	0.00230	1	ND	mg/kg	
Trichlorofluoromethane	U	A	0.000265	0.00230	1	ND	mg/kg	
Acrolein	U	A	0.00124	0.00230	1	ND	mg/kg	
1,1-Dichloroethene	U	A	0.000426	0.00230	1	ND	mg/kg	
Methylene Chloride	U	A	0.000692	0.00230	1	ND	mg/kg	
Acrylonitrile	U	A	0.000538	0.00230	1	ND	mg/kg	
trans-1,2-Dichloroethene	U	A	0.000312	0.00230	1	ND	mg/kg	
1,1-Dichloroethane	U	A	0.000336	0.00230	1	ND	mg/kg	
cis-1,2-Dichloroethene	U	A	0.000111	0.00230	1	ND	mg/kg	
Chloroform	U	A	0.000387	0.00230	1	ND	mg/kg	
1,1,1-Trichloroethane	U	A	0.000336	0.00230	1	ND	mg/kg	
Carbon Tetrachloride	U	A	0.000347	0.00230	1	ND	mg/kg	
1,2-Dichloroethane	U	A	0.000325	0.00230	1	ND	mg/kg	
Benzene	U	A	0.000210	0.00230	1	ND	mg/kg	
Trichloroethene	U	A	0.000339	0.00230	1	ND	mg/kg	
1,2-Dichloropropane	U	A	0.000378	0.00230	1	ND	mg/kg	
Bromodichloromethane	U	A	0.000289	0.00230	1	ND	mg/kg	
2-Chloroethylvinyl Ether	U	A	0.000497	0.00230	1	ND	mg/kg	
cis-1,3-Dichloropropene	U	A	0.000291	0.00230	1	ND	mg/kg	
Toluene	U	A	0.000185	0.00230	1	ND	mg/kg	
trans-1,3-Dichloropropene	U	A	0.000440	0.00230	1	ND	mg/kg	
1,1,2-Trichloroethane	U	A	0.000388	0.00230	1	ND	mg/kg	
Tetrachloroethene	U	A	0.000228	0.00230	1	ND	mg/kg	
Dibromochloromethane	U	A	0.000283	0.00230	1	ND	mg/kg	
Chlorobenzene	U	A	0.000334	0.00230	1	ND	mg/kg	
1,1,2,2-Tetrachloroethane	U	A	0.000318	0.00230	1	ND	mg/kg	
EthylBenzene	U	A	0.000312	0.00230	1	ND	mg/kg	
Bromoform	U	A	0.000404	0.00230	1	ND	mg/kg	
1,3-Dichlorobenzene	U	A	0.000169	0.00230	1	ND	mg/kg	
1,4-Dichlorobenzene	U	A	0.000332	0.00230	1	ND	mg/kg	
1,2-Dichlorobenzene	U	A	0.000406	0.00230	1	ND	mg/kg	
Total Xylenes	U	A	0.000296	0.00230	1	ND	mg/kg	
Tentatively Identified Compounds	J	T			1	0	mg/kg	

Percent Solids	Gravimetric	07/06/2018 10:55			86.8	%	Limit
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Click here to request additional or contingent analyses for this Sample ID.

Test	Sample ID	Date Received	MDL	RL	Result	Units	Limit
BNA+25	SW 846 8270D	07/12/2018 15:56	-	-	Results Listed Below	-	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
n-Nitroso-dimethylamine	U	A	0.106	0.298	2	ND	mg/kg	
Phenol	U	A	0.0242	0.298	2	ND	mg/kg	
bis(2-chloroethyl)ether	U	A	0.0327	0.298	2	ND	mg/kg	
2-Chlorophenol	U	A	0.0394	0.298	2	ND	mg/kg	

bis(2-chloroisopropyl)ether	U	A	0.107	0.298	2	ND	mg/kg	
n-Nitroso-di-n-propylamine	U	A	0.0160	0.298	2	ND	mg/kg	
Hexachloroethane	U	A	0.0327	0.298	2	ND	mg/kg	
Nitrobenzene	U	A	0.0506	0.298	2	ND	mg/kg	
Isophorone	U	A	0.0195	0.298	2	ND	mg/kg	
2-Nitrophenol	U	A	0.0332	0.298	2	ND	mg/kg	
2,4-Dimethylphenol	U	A	0.0294	0.298	2	ND	mg/kg	
bis(2-chloroethoxy)methane	U	A	0.0412	0.298	2	ND	mg/kg	
2,4-Dichlorophenol	U	A	0.0300	0.298	2	ND	mg/kg	
1,2,4-Trichlorobenzene	U	A	0.0307	0.298	2	ND	mg/kg	
Naphthalene	U	A	0.0221	0.298	2	ND	mg/kg	
Hexachlorobutadiene	U	A	0.143	0.298	2	ND	mg/kg	
4-Chloro-3-methylphenol	U	A	0.0471	0.298	2	ND	mg/kg	
Hexachlorocyclopentadiene	U	A	0.124	0.746	2	ND	mg/kg	
2,4,6-Trichlorophenol	U	A	0.0187	0.298	2	ND	mg/kg	
2-Chloronaphthalene	U	A	0.0343	0.298	2	ND	mg/kg	
Dimethylphthalate	U	A	0.0185	0.298	2	ND	mg/kg	
Acenaphthylene	JD	A	0.0104	0.298	2	0.174	mg/kg	NA
2,6-Dinitrotoluene	U	A	0.0712	0.298	2	ND	mg/kg	
Acenaphthene	JD	A	0.0170	0.298	2	0.107	mg/kg	3400
2,4-Dinitrophenol	U	A	0.0430	1.49	2	ND	mg/kg	
4-Nitrophenol	U	A	0.0191	0.298	2	ND	mg/kg	
2,4-Dinitrotoluene	U	A	0.0318	0.298	2	ND	mg/kg	
Fluorene	JD	A	0.0249	0.298	2	0.224	mg/kg	2300
Diethylphthalate	U	A	0.0578	0.298	2	ND	mg/kg	
4-Chlorophenyl phenyl ether	U	A	0.0161	0.298	2	ND	mg/kg	
4,6-Dinitro-2-methylphenol	U	A	0.0562	0.746	2	ND	mg/kg	
n-Nitrosodiphenylamine	U	A	0.0636	0.298	2	ND	mg/kg	
1,2-Diphenylhydrazine	U	A	0.0325	0.298	2	ND	mg/kg	
4-Bromophenyl-phenyl ether	U	A	0.0426	0.298	2	ND	mg/kg	
Hexachlorobenzene	U	A	0.0390	0.298	2	ND	mg/kg	
Pentachlorophenol	U	A	0.0410	0.746	2	ND	mg/kg	
Phenanthrene	D	A	0.0392	0.298	2	1.71	mg/kg	NA
Anthracene	D	A	0.0432	0.298	2	0.474	mg/kg	17000
Di-n-butylphthalate	JD	A	0.122	0.298	2	0.183	mg/kg	6100
Fluoranthene	D	A	0.0280	0.298	2	2.16	mg/kg	2300
Benzidine	U	A	0.682	0.746	2	ND	mg/kg	
Pyrene	D	A	0.0219	0.298	2	1.65	mg/kg	1700
Butylbenzylphthalate	D	A	0.0271	0.298	2	1.57	mg/kg	1200
Benzo(a)anthracene	D	A	0.0300	0.298	2	0.960	mg/kg	5
3,3'-Dichlorobenzidine	U	A	0.0314	0.298	2	ND	mg/kg	
Chrysene	D	A	0.0204	0.298	2	0.953	mg/kg	450
bis(2-ethylhexyl)phthalate	D	A	0.0596	0.298	2	1.09	mg/kg	35
Di-n-octylphthalate	U	A	0.0612	0.298	2	ND	mg/kg	
Benzo(b)fluoranthene	D	A	0.0419	0.298	2	1.49	mg/kg	5
Benzo(k)fluoranthene	D	A	0.0343	0.298	2	0.596	mg/kg	45
Benzo(a)pyrene	D	A	0.0520	0.298	2	1.03	mg/kg	.5 *
Indeno(1,2,3-cd)pyrene	D	A	0.0320	0.298	2	0.424	mg/kg	5
Dibenzo(a,h)anthracene	JD	A	0.0296	0.298	2	0.129	mg/kg	.5
Benzo(g,h,i)perylene	D	A	0.0242	0.298	2	0.448	mg/kg	380000
1,2-Benzenedicarboxylic acid, -isomer-(01)	JD	T			2	1.38	mg/kg	
1,2-Benzenedicarboxylic acid, -isomer-(02)	JD	T			2	1.18	mg/kg	

Ethanol, -butoxy-isomer

Tentatively Identified Compounds

JD

T

2

1.09

mg/kg

J

T

2

3.65

mg/kg

Test	Reference	Time	MDL	RL	Dilution	Result	Units	Limit
Cyanide	SW 846 9014	07/16/2018 15:31		0.280	ND		mg/kg	
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.40	1.63		mg/kg	31
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.40	2.26		mg/kg	19
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0280	0.392		mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.280	5.24		mg/kg	78
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.280	20.0		mg/kg	
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.280	164		mg/kg	3100
ICP Lead	SW 846 6010C	07/23/2018 13:54		14.0	2400		mg/kg	400 *
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.140	46.8		mg/kg	1600
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.40	ND		mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.560	ND		mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.40	ND		mg/kg	
ICP Zinc	SW 846 6010C	07/23/2018 13:51		8.40	2600		mg/kg	23000
Mercury	SW 846 7471B	07/17/2018 14:12		0.0518	0.0871		mg/kg	23
PCBs	SW 846 8082	07/16/2018 12:19	-	-	Results Listed Below		-	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Aroclor-1016	U	A	0.000659	0.0370	1	ND	mg/kg	
Aroclor-1221	U	A	0.00114	0.0370	1	ND	mg/kg	
Aroclor-1232	U	A	0.000870	0.0370	1	ND	mg/kg	
Aroclor-1242	U	A	0.00125	0.0370	1	ND	mg/kg	
Aroclor-1248	U	A	0.000867	0.0370	1	ND	mg/kg	
Aroclor-1254	U	A	0.00132	0.0370	1	ND	mg/kg	
Aroclor-1260		A	0.000975	0.0370	1	0.337	mg/kg	0.2 *
Total PCBs		A	0.000659	0.0370	1	N/A	mg/kg	0.2

Test	Reference	Time	MDL	RL	Dilution	Result	Units	Limit
Pesticides	SW 846 8081A	07/16/2018 15:43	-	-	Results Listed Below		-	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Aldrin	U	A	0.000904	0.00146	1	ND	mg/kg	
alpha-BHC	U	A	0.000563	0.00146	1	ND	mg/kg	
beta-BHC	U	A	0.00143	0.00146	1	ND	mg/kg	
delta-BHC	U	A	0.00113	0.00146	1	ND	mg/kg	
Dieldrin	U	A	0.000784	0.00146	1	ND	mg/kg	
Endosulfan I	U	A	0.00101	0.00146	1	ND	mg/kg	
Endosulfan II	U	A	0.000792	0.00146	1	ND	mg/kg	
Endosulfan sulfate	U	A	0.000792	0.00146	1	ND	mg/kg	
Endrin	U	A	0.000747	0.00146	1	ND	mg/kg	
Endrin aldehyde	U	A	0.000622	0.00146	1	ND	mg/kg	
Toxaphene	U	A	0.0226	0.0739	1	ND	mg/kg	
gamma-BHC (Lindane)	U	A	0.000665	0.00146	1	ND	mg/kg	
4,4'-DDT	U	A	0.000699	0.00146	1	ND	mg/kg	
4,4'-DDE	U	A	0.00103	0.00146	1	ND	mg/kg	
4,4'-DDD	U	A	0.000882	0.00146	1	ND	mg/kg	
Methoxychlor	U	A	0.000926	0.00146	1	ND	mg/kg	
Heptachlor Epoxide	U	A	0.000911	0.00146	1	ND	mg/kg	
Heptachlor	U	A	0.000851	0.00146	1	ND	mg/kg	
Chlordane		A	0.000978	0.00146	1	0.0145	mg/kg	0.2

Test	Reference	Time	MDL	RL	Dilution	Result	Units	Limit
Phenols	SW 846 9065	07/18/2018 09:34		5.60	ND		mg/kg	
VO+15	SW 846 8260B	07/12/2018 11:24	-	-	Results Listed Below		-	-

Fluorene	U	A	0.0600	0.719	5	ND	mg/kg	
Diethylphthalate	U	A	0.140	0.719	5	ND	mg/kg	
4-Chlorophenyl phenyl ether	U	A	0.0389	0.719	5	ND	mg/kg	
4,6-Dinitro-2-methylphenol	U	A	0.136	1.80	5	ND	mg/kg	
n-Nitrosodiphenylamine	U	A	0.154	0.719	5	ND	mg/kg	
1,2-Diphenylhydrazine	U	A	0.0784	0.719	5	ND	mg/kg	
4-Bromophenyl-phenyl ether	U	A	0.103	0.719	5	ND	mg/kg	
Hexachlorobenzene	U	A	0.0941	0.719	5	ND	mg/kg	
Pentachlorophenol	U	A	0.0990	1.80	5	ND	mg/kg	
Phenanthrene	D	A	0.0946	0.719	5	0.737	mg/kg	NA
Anthracene	JD	A	0.104	0.719	5	0.224	mg/kg	17000
Di-n-butylphthalate	JD	A	0.294	0.719	5	0.697	mg/kg	6100
Fluoranthene	D	A	0.0676	0.719	5	1.16	mg/kg	2300
Benidine	U	A	1.65	1.80	5	ND	mg/kg	
Pyrene	D	A	0.0529	0.719	5	0.930	mg/kg	1700
Butylbenzylphthalate	D	A	0.0654	0.719	5	4.22	mg/kg	1200
Benzo(a)anthracene	JD	A	0.0725	0.719	5	0.511	mg/kg	5
3,3'-Dichlorobenzidine	U	A	0.0757	0.719	5	ND	mg/kg	
Chrysene	JD	A	0.0493	0.719	5	0.575	mg/kg	450
bis(2-ethylhexyl)phthalate	D	A	0.144	0.719	5	2.94	mg/kg	35
Di-n-octylphthalate	D	A	0.148	0.719	5	1.68	mg/kg	2400
Benzo(b)fluoranthene	D	A	0.101	0.719	5	1.03	mg/kg	5
Benzo(k)fluoranthene	JD	A	0.0827	0.719	5	0.339	mg/kg	45
Benzo(a)pyrene	JD	A	0.125	0.719	5	0.588	mg/kg	.5 *
Indeno(1,2,3-cd)pyrene	JD	A	0.0773	0.719	5	0.267	mg/kg	5
Dibenzo(a,h)anthracene	U	A	0.0714	0.719	5	ND	mg/kg	
Benzo(g,h,i)perylene	JD	A	0.0584	0.719	5	0.279	mg/kg	380000
Tentatively Identified Compounds	J	T			5	0	mg/kg	

Cyanide	SW 846 9014	07/17/2018 15:48		0.2702703	ND	mg/kg	
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.35	1.50	mg/kg	31
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.35	2.32	mg/kg	19
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0270	0.289	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.270	2.56	mg/kg	78
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.270	32.7	mg/kg	
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.270	204	mg/kg	3100
ICP Lead	SW 846 6010C	07/23/2018 13:54		1.35	616	mg/kg	400 *
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.135	150	mg/kg	1600
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.35	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.541	ND	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.35	ND	mg/kg	
ICP Zinc	SW 846 6010C	07/23/2018 13:51		8.11	2430	mg/kg	23000
Mercury	SW 846 7471B	07/17/2018 14:12		0.0458	0.0630	mg/kg	23
PCBs	SW 846 8082	07/16/2018 12:19	-	-	Results Listed Below	-	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Aroclor-1016	U	A	0.000636	0.0357	1	ND	mg/kg	
Aroclor-1221	U	A	0.00110	0.0357	1	ND	mg/kg	
Aroclor-1232	U	A	0.000840	0.0357	1	ND	mg/kg	
Aroclor-1242	U	A	0.00121	0.0357	1	ND	mg/kg	
Aroclor-1248	U	A	0.000837	0.0357	1	ND	mg/kg	
Aroclor-1254	U	A	0.00127	0.0357	1	ND	mg/kg	
Aroclor-1260		A	0.000941	0.0357	1	0.468	mg/kg	0.2 *
Total PCBs		A	0.000636	0.0357	1	N/A	mg/kg	0.2

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Dichlorodifluoromethane	U	A	0.000756	0.00224	1	ND	mg/kg	
Chloromethane	U	A	0.000863	0.00224	1	ND	mg/kg	
Vinyl chloride	U	A	0.000426	0.00224	1	ND	mg/kg	
Bromomethane	U	A	0.000646	0.00224	1	ND	mg/kg	
Chloroethane	U	A	0.000382	0.00224	1	ND	mg/kg	
Trichlorofluoromethane	U	A	0.000258	0.00224	1	ND	mg/kg	
Acrolein	U	A	0.00121	0.00224	1	ND	mg/kg	
1,1-Dichloroethene	U	A	0.000414	0.00224	1	ND	mg/kg	
Methylene Chloride	U	A	0.000673	0.00224	1	ND	mg/kg	
Acrylonitrile	U	A	0.000523	0.00224	1	ND	mg/kg	
trans-1,2-Dichloroethene	U	A	0.000304	0.00224	1	ND	mg/kg	
1,1-Dichloroethane	U	A	0.000327	0.00224	1	ND	mg/kg	
cis-1,2-Dichloroethene	U	A	0.000108	0.00224	1	ND	mg/kg	
Chloroform	U	A	0.000376	0.00224	1	ND	mg/kg	
1,1,1-Trichloroethane	U	A	0.000327	0.00224	1	ND	mg/kg	
Carbon Tetrachloride	U	A	0.000337	0.00224	1	ND	mg/kg	
1,2-Dichloroethane	U	A	0.000316	0.00224	1	ND	mg/kg	
Benzene	U	A	0.000204	0.00224	1	ND	mg/kg	
Trichloroethene	U	A	0.000329	0.00224	1	ND	mg/kg	
1,2-Dichloropropane	U	A	0.000367	0.00224	1	ND	mg/kg	
Bromodichloromethane	U	A	0.000281	0.00224	1	ND	mg/kg	
2-Chloroethylvinyl Ether	U	A	0.000484	0.00224	1	ND	mg/kg	
cis-1,3-Dichloropropene	U	A	0.000283	0.00224	1	ND	mg/kg	
Toluene	U	A	0.000180	0.00224	1	ND	mg/kg	
trans-1,3-Dichloropropene	U	A	0.000428	0.00224	1	ND	mg/kg	
1,1,2-Trichloroethane	U	A	0.000378	0.00224	1	ND	mg/kg	
Tetrachloroethene	U	A	0.000222	0.00224	1	ND	mg/kg	
Dibromochloromethane	U	A	0.000276	0.00224	1	ND	mg/kg	
Chlorobenzene	U	A	0.000325	0.00224	1	ND	mg/kg	
1,1,2,2-Tetrachloroethane	U	A	0.000309	0.00224	1	ND	mg/kg	
EthylBenzene	U	A	0.000304	0.00224	1	ND	mg/kg	
Bromoform	U	A	0.000393	0.00224	1	ND	mg/kg	
1,3-Dichlorobenzene	U	A	0.000165	0.00224	1	ND	mg/kg	
1,4-Dichlorobenzene	U	A	0.000323	0.00224	1	ND	mg/kg	
1,2-Dichlorobenzene	U	A	0.000395	0.00224	1	ND	mg/kg	
Total Xylenes	U	A	0.000288	0.00224	1	ND	mg/kg	
Tentatively Identified Compounds	J	T			1	0	mg/kg	
Test	Method	Sample ID	Lot	Exp	Result	Units	Limit	
Percent Solids	Gravimetric	07/06/2018 10:55			89.3	%		

Click here to request additional or contingent analyses for this Sample ID.

Click here to request additional or contingent analyses for this Sample ID.

Test	Reference	Test Method	Test	Lot	Result	Units	Limit	
BNA+25	SW 846 8270D	07/12/2018 15:56	-	-	Results Listed Below	-	-	
Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
n-Nitroso-dimethylamine	U	A	0.259	0.727	5	ND	mg/kg	
Phenol	U	A	0.0590	0.727	5	ND	mg/kg	
bis(2-chloroethyl)ether	U	A	0.0798	0.727	5	ND	mg/kg	
2-Chlorophenol	U	A	0.0962	0.727	5	ND	mg/kg	
bis(2-chloroisopropyl)ether	U	A	0.262	0.727	5	ND	mg/kg	
n-Nitroso-di-n-propylamine	U	A	0.0390	0.727	5	ND	mg/kg	
Hexachloroethane	U	A	0.0798	0.727	5	ND	mg/kg	

Nitrobenzene	U	A	0.124	0.727	5	ND	mg/kg	
Isophorone	U	A	0.0477	0.727	5	ND	mg/kg	
2-Nitrophenol	U	A	0.0809	0.727	5	ND	mg/kg	
2,4-Dimethylphenol	U	A	0.0716	0.727	5	ND	mg/kg	
bis(2-chloroethoxy)methane	U	A	0.101	0.727	5	ND	mg/kg	
2,4-Dichlorophenol	U	A	0.0732	0.727	5	ND	mg/kg	
1,2,4-Trichlorobenzene	U	A	0.0749	0.727	5	ND	mg/kg	
Naphthalene	U	A	0.0539	0.727	5	ND	mg/kg	
Hexachlorobutadiene	U	A	0.349	0.727	5	ND	mg/kg	
4-Chloro-3-methylphenol	U	A	0.115	0.727	5	ND	mg/kg	
Hexachlorocyclopentadiene	U	A	0.303	1.82	5	ND	mg/kg	
2,4,6-Trichlorophenol	U	A	0.0455	0.727	5	ND	mg/kg	
2-Chloronaphthalene	U	A	0.0836	0.727	5	ND	mg/kg	
Dimethylphthalate	U	A	0.0451	0.727	5	ND	mg/kg	
Acenaphthylene	JD	A	0.0253	0.727	5	0.536	mg/kg	NA
2,6-Dinitrotoluene	U	A	0.174	0.727	5	ND	mg/kg	
Acenaphthene	U	A	0.0415	0.727	5	ND	mg/kg	
2,4-Dinitrophenol	U	A	0.105	3.65	5	ND	mg/kg	
4-Nitrophenol	U	A	0.0466	0.727	5	ND	mg/kg	
2,4-Dinitrotoluene	U	A	0.0776	0.727	5	ND	mg/kg	
Fluorene	U	A	0.0607	0.727	5	ND	mg/kg	
Diethylphthalate	U	A	0.141	0.727	5	ND	mg/kg	
4-Chlorophenyl phenyl ether	U	A	0.0393	0.727	5	ND	mg/kg	
4,6-Dinitro-2-methylphenol	U	A	0.137	1.82	5	ND	mg/kg	
n-Nitrosodiphenylamine	U	A	0.155	0.727	5	ND	mg/kg	
1,2-Diphenylhydrazine	U	A	0.0792	0.727	5	ND	mg/kg	
4-Bromophenyl-phenyl ether	U	A	0.104	0.727	5	ND	mg/kg	
Hexachlorobenzene	U	A	0.0951	0.727	5	ND	mg/kg	
Pentachlorophenol	U	A	0.100	1.82	5	ND	mg/kg	
Phenanthrene	D	A	0.0956	0.727	5	2.44	mg/kg	NA
Anthracene	D	A	0.105	0.727	5	0.963	mg/kg	17000
Di-n-butylphthalate	D	A	0.297	0.727	5	0.799	mg/kg	6100
Fluoranthene	D	A	0.0683	0.727	5	5.56	mg/kg	2300
Benzidine	U	A	1.66	1.82	5	ND	mg/kg	
Pyrene	D	A	0.0535	0.727	5	4.23	mg/kg	1700
Butylbenzylphthalate	D	A	0.0661	0.727	5	2.59	mg/kg	1200
Benzo(a)anthracene	D	A	0.0732	0.727	5	2.46	mg/kg	5
3,3'-Dichlorobenzidine	U	A	0.0765	0.727	5	ND	mg/kg	
Chrysene	D	A	0.0498	0.727	5	2.83	mg/kg	450
bis(2-ethylhexyl)phthalate	D	A	0.145	0.727	5	1.23	mg/kg	35
Di-n-octylphthalate	U	A	0.149	0.727	5	ND	mg/kg	
Benzo(b)fluoranthene	D	A	0.102	0.727	5	5.23	mg/kg	5 *
Benzo(k)fluoranthene	D	A	0.0836	0.727	5	1.85	mg/kg	45
Benzo(a)pyrene	D	A	0.127	0.727	5	3.04	mg/kg	.5 *
Indeno(1,2,3-cd)pyrene	D	A	0.0782	0.727	5	1.43	mg/kg	5
Dibenzo(a,h)anthracene	JD	A	0.0721	0.727	5	0.450	mg/kg	.5
Benzo(g,h,i)perylene	D	A	0.0590	0.727	5	1.43	mg/kg	380000
Benz[e]acephenanthrylene	JD	T			5	2.27	mg/kg	
Tentatively Identified Compounds	J	T			5	2.27	mg/kg	
Test	Method	Date Posted	MDL	RL	Result	Units	Limit	
Cyanide	SW 846 9014	07/13/2018 15:14		0.273224	ND	mg/kg		
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.37	2.38	mg/kg	31	
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.37	4.59	mg/kg	19	
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0273	0.355	mg/kg	16	

ICP Cadmium	SW 846 6010C	07/23/2018 11:19	0.273	10.4	mg/kg	78
ICP Chromium	SW 846 6010C	07/23/2018 11:19	0.273	29.2	mg/kg	
ICP Copper	SW 846 6010C	07/23/2018 11:19	0.273	361	mg/kg	3100
ICP Lead	SW 846 6010C	07/23/2018 13:54	13.7	2900	mg/kg	400 *
ICP Nickel	SW 846 6010C	07/23/2018 11:19	0.137	88.8	mg/kg	1600
ICP Selenium	SW 846 6010C	07/23/2018 11:19	1.37	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19	0.547	ND	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19	1.37	ND	mg/kg	
ICP Zinc	SW 846 6010C	07/23/2018 13:51	8.20	4480	mg/kg	23000
Mercury	SW 846 7471B	07/17/2018 14:12	0.0515	0.240	mg/kg	23
PCBs	SW 846 8082	07/16/2018 12:19			Results Listed Below	

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Aroclor-1016	U	A	0.000643	0.0361	1	ND	mg/kg	
Aroclor-1221	U	A	0.00111	0.0361	1	ND	mg/kg	
Aroclor-1232	U	A	0.000849	0.0361	1	ND	mg/kg	
Aroclor-1242	U	A	0.00122	0.0361	1	ND	mg/kg	
Aroclor-1248	U	A	0.000846	0.0361	1	ND	mg/kg	
Aroclor-1254	U	A	0.00129	0.0361	1	ND	mg/kg	
Aroclor-1260 [2C]		A	0.00137	0.0361	1	ND	mg/kg	
Total PCBs		A	0.000643	0.0361	1	1.21	mg/kg	0.2 *
					1	N/A	mg/kg	0.2

Pesticides	SW 846 8081A	07/16/2018 15:43			Results Listed Below		
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Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Aldrin	U	A	0.000882	0.00142	1	ND	mg/kg	
alpha-BHC	U	A	0.000550	0.00142	1	ND	mg/kg	
beta-BHC	U	A	0.00140	0.00142	1	ND	mg/kg	
delta-BHC	U	A	0.00110	0.00142	1	ND	mg/kg	
Dieldrin	U	A	0.000765	0.00142	1	ND	mg/kg	
Endosulfan I	U	A	0.000984	0.00142	1	ND	mg/kg	
Endosulfan II	U	A	0.000773	0.00142	1	ND	mg/kg	
Endosulfan sulfate	U	A	0.000773	0.00142	1	ND	mg/kg	
Endrin	U	A	0.000729	0.00142	1	ND	mg/kg	
Endrin aldehyde	U	A	0.000607	0.00142	1	ND	mg/kg	
Toxaphene	U	A	0.0221	0.0721	1	ND	mg/kg	
gamma-BHC (Lindane)	U	A	0.000649	0.00142	1	ND	mg/kg	
4,4'-DDT	U	A	0.000682	0.00142	1	ND	mg/kg	
4,4'-DDE	U	A	0.00101	0.00142	1	ND	mg/kg	
4,4'-DDD	U	A	0.000860	0.00142	1	ND	mg/kg	
Methoxychlor	U	A	0.000904	0.00142	1	ND	mg/kg	
Heptachlor Epoxide	U	A	0.000889	0.00142	1	ND	mg/kg	
Heptachlor	U	A	0.000831	0.00142	1	ND	mg/kg	
Chlordane [2C]		A	0.00103	0.00142	1	0.0373	mg/kg	0.2

Phenols	SW 846 9065	07/18/2018 09:34	5.47	ND		mg/kg	
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VO+15	SW 846 8260B	07/12/2018 11:24			Results Listed Below		
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Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Dichlorodifluoromethane	U	A	0.000738	0.00219	1	ND	mg/kg	
Chloromethane	U	A	0.000842	0.00219	1	ND	mg/kg	
Vinyl chloride	U	A	0.000415	0.00219	1	ND	mg/kg	
Bromomethane	U	A	0.000631	0.00219	1	ND	mg/kg	
Chloroethane	U	A	0.000373	0.00219	1	ND	mg/kg	
Trichlorofluoromethane	U	A	0.000251	0.00219	1	ND	mg/kg	

Acrolein	U	A	0.00118	0.00219	1	ND	mg/kg
1,1-Dichloroethene	U	A	0.000404	0.00219	1	ND	mg/kg
Methylene Chloride	U	A	0.000657	0.00219	1	ND	mg/kg
Acrylonitrile	U	A	0.000510	0.00219	1	ND	mg/kg
trans-1,2-Dichloroethene	U	A	0.000296	0.00219	1	ND	mg/kg
1,1-Dichloroethane	U	A	0.000319	0.00219	1	ND	mg/kg
cis-1,2-Dichloroethene	U	A	0.000106	0.00219	1	ND	mg/kg
Chloroform	U	A	0.000367	0.00219	1	ND	mg/kg
1,1,1-Trichloroethane	U	A	0.000319	0.00219	1	ND	mg/kg
Carbon Tetrachloride	U	A	0.000329	0.00219	1	ND	mg/kg
1,2-Dichloroethane	U	A	0.000308	0.00219	1	ND	mg/kg
Benzene	U	A	0.000199	0.00219	1	ND	mg/kg
Trichloroethene	U	A	0.000321	0.00219	1	ND	mg/kg
1,2-Dichloropropane	U	A	0.000359	0.00219	1	ND	mg/kg
Bromodichloromethane	U	A	0.000274	0.00219	1	ND	mg/kg
2-Chloroethylvinyl Ether	U	A	0.000472	0.00219	1	ND	mg/kg
cis-1,3-Dichloropropene	U	A	0.000277	0.00219	1	ND	mg/kg
Toluene	U	A	0.000176	0.00219	1	ND	mg/kg
trans-1,3-Dichloropropene	U	A	0.000418	0.00219	1	ND	mg/kg
1,1,2-Trichloroethane	U	A	0.000368	0.00219	1	ND	mg/kg
Tetrachloroethene	U	A	0.000216	0.00219	1	ND	mg/kg
Dibromochloromethane	U	A	0.000269	0.00219	1	ND	mg/kg
Chlorobenzene	U	A	0.000317	0.00219	1	ND	mg/kg
1,1,2,2-Tetrachloroethane	U	A	0.000302	0.00219	1	ND	mg/kg
EthylBenzene	U	A	0.000296	0.00219	1	ND	mg/kg
Bromoform	U	A	0.000384	0.00219	1	ND	mg/kg
1,3-Dichlorobenzene	U	A	0.000161	0.00219	1	ND	mg/kg
1,4-Dichlorobenzene	U	A	0.000315	0.00219	1	ND	mg/kg
1,2-Dichlorobenzene	U	A	0.000386	0.00219	1	ND	mg/kg
Total Xylenes	U	A	0.000281	0.00219	1	ND	mg/kg
Tentatively Identified Compounds	J	T			1	0	mg/kg

Percent Solids	Gravimetric	07/06/2018 10:55			91.5	%	Limit
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BNA+25	SW 846 8270D	07/12/2018 15:56	-	-	Results Listed Below	-	-	
Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
n-Nitroso-dimethylamine	U	A	0.0513	0.144	1	ND	mg/kg	
Phenol	U	A	0.0117	0.144	1	ND	mg/kg	
bis(2-chloroethyl)ether	U	A	0.0158	0.144	1	ND	mg/kg	
2-Chlorophenol	U	A	0.0191	0.144	1	ND	mg/kg	
bis(2-chloroisopropyl)ether	U	A	0.0519	0.144	1	ND	mg/kg	
n-Nitroso-di-n-propylamine	U	A	0.00772	0.144	1	ND	mg/kg	
Hexachloroethane	U	A	0.0158	0.144	1	ND	mg/kg	
Nitrobenzene	U	A	0.0245	0.144	1	ND	mg/kg	
Isophorone	U	A	0.00944	0.144	1	ND	mg/kg	
2-Nitrophenol	U	A	0.0160	0.144	1	ND	mg/kg	
2,4-Dimethylphenol	U	A	0.0142	0.144	1	ND	mg/kg	
bis(2-chloroethoxy)methane	U	A	0.0199	0.144	1	ND	mg/kg	
2,4-Dichlorophenol	U	A	0.0145	0.144	1	ND	mg/kg	
1,2,4-Trichlorobenzene	U	A	0.0148	0.144	1	ND	mg/kg	

Naphthalene	U	A	0.0107	0.144	1	ND	mg/kg	
Hexachlorobutadiene	U	A	0.0692	0.144	1	ND	mg/kg	
4-Chloro-3-methylphenol	U	A	0.0227	0.144	1	ND	mg/kg	
Hexachlorocyclopentadiene	U	A	0.0601	0.360	1	ND	mg/kg	
2,4,6-Trichlorophenol	U	A	0.00902	0.144	1	ND	mg/kg	
2-Chloronaphthalene	U	A	0.0166	0.144	1	ND	mg/kg	
Dimethylphthalate	U	A	0.00894	0.144	1	ND	mg/kg	
Acenaphthylene	U	A	0.00501	0.144	1	ND	mg/kg	
2,6-Dinitrotoluene	U	A	0.0344	0.144	1	ND	mg/kg	
Acenaphthene	U	A	0.00822	0.144	1	ND	mg/kg	
2,4-Dinitrophenol	U	A	0.0208	0.722	1	ND	mg/kg	
4-Nitrophenol	U	A	0.00922	0.144	1	ND	mg/kg	
2,4-Dinitrotoluene	U	A	0.0154	0.144	1	ND	mg/kg	
Fluorene	U	A	0.0120	0.144	1	ND	mg/kg	
Diethylphthalate	U	A	0.0279	0.144	1	ND	mg/kg	
4-Chlorophenyl phenyl ether	U	A	0.00778	0.144	1	ND	mg/kg	
4,6-Dinitro-2-methylphenol	U	A	0.0272	0.360	1	ND	mg/kg	
n-Nitrosodiphenylamine	U	A	0.0307	0.144	1	ND	mg/kg	
1,2-Diphenylhydrazine	U	A	0.0157	0.144	1	ND	mg/kg	
4-Bromophenyl-phenyl ether	U	A	0.0206	0.144	1	ND	mg/kg	
Hexachlorobenzene	U	A	0.0188	0.144	1	ND	mg/kg	
Pentachlorophenol	U	A	0.0198	0.360	1	ND	mg/kg	
Phenanthrene	J	A	0.0189	0.144	1	0.127	mg/kg	NA
Anthracene	J	A	0.0209	0.144	1	0.0371	mg/kg	17000
Di-n-butylphthalate	U	A	0.0589	0.144	1	ND	mg/kg	
Fluoranthene		A	0.0135	0.144	1	0.310	mg/kg	2300
Benzidine	U	A	0.330	0.360	1	ND	mg/kg	
Pyrene		A	0.0106	0.144	1	0.213	mg/kg	1700
Butylbenzylphthalate	U	A	0.0131	0.144	1	ND	mg/kg	
Benzo(a)anthracene	J	A	0.0145	0.144	1	0.122	mg/kg	5
3,3'-Dichlorobenzidine	U	A	0.0152	0.144	1	ND	mg/kg	
Chrysene	J	A	0.00987	0.144	1	0.128	mg/kg	450
bis(2-ethylhexyl)phthalate		A	0.0288	0.144	1	0.189	mg/kg	35
Di-n-octylphthalate	U	A	0.0296	0.144	1	ND	mg/kg	
Benzo(b)fluoranthene		A	0.0202	0.144	1	0.214	mg/kg	5
Benzo(k)fluoranthene	J	A	0.0166	0.144	1	0.0762	mg/kg	45
Benzo(a)pyrene	J	A	0.0251	0.144	1	0.141	mg/kg	.5
Indeno(1,2,3-cd)pyrene	J	A	0.0155	0.144	1	0.0607	mg/kg	5
Dibenzo(a,h)anthracene	U	A	0.0143	0.144	1	ND	mg/kg	
Benzo(g,h,i)perylene	J	A	0.0117	0.144	1	0.0610	mg/kg	380000
Cyclotetrasiloxane	J	T			1	0.440	mg/kg	
Tentatively Identified Compounds	J	T			1	0.440	mg/kg	

Test	Method	Date Tested	MDL	RL	Result	Units	Limit
Cyanide	SW 846 9014	07/13/2018 15:14		0.2705628	ND	mg/kg	
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.35	ND	mg/kg	
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.35	1.44	mg/kg	19
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0271	0.401	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.271	0.428	mg/kg	78
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.271	13.6	mg/kg	
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.271	56.6	mg/kg	3100
ICP Lead	SW 846 6010C	07/23/2018 13:54		1.35	264	mg/kg	400
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.135	21.9	mg/kg	1600
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.35	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.541	ND	mg/kg	

ICP Thallium	SW 846 6010C	07/23/2018 11:19	1.35	ND	mg/kg	
ICP Zinc	SW 846 6010C	07/23/2018 11:19	0.812	392	mg/kg	23000
Mercury	SW 846 7471B	07/17/2018 14:12	0.0482	ND	mg/kg	
PCBs	SW 846 8082	07/16/2018 12:19	-	-	Results Listed Below	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Aroclor-1016	U	A	0.000637	0.0357	1	ND	mg/kg	
Aroclor-1221	U	A	0.00110	0.0357	1	ND	mg/kg	
Aroclor-1232	U	A	0.000841	0.0357	1	ND	mg/kg	
Aroclor-1242	U	A	0.00121	0.0357	1	ND	mg/kg	
Aroclor-1248	U	A	0.000838	0.0357	1	ND	mg/kg	
Aroclor-1254	U	A	0.00127	0.0357	1	ND	mg/kg	
Aroclor-1260	U	A	0.000942	0.0357	1	ND	mg/kg	
Total PCBs		A	0.000637	0.0357	1	N/A	mg/kg	0.2

Test	SW 846 8081A	07/16/2018 15:43	-	-	Results Listed Below	-	-
Pesticides	SW 846 8081A	07/16/2018 15:43	-	-	Results Listed Below	-	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Aldrin	U	A	0.000874	0.00141	1	ND	mg/kg	
alpha-BHC	U	A	0.000544	0.00141	1	ND	mg/kg	
beta-BHC	U	A	0.00139	0.00141	1	ND	mg/kg	
delta-BHC	U	A	0.00109	0.00141	1	ND	mg/kg	
Dieldrin	U	A	0.000758	0.00141	1	ND	mg/kg	
Endosulfan I	U	A	0.000974	0.00141	1	ND	mg/kg	
Endosulfan II	U	A	0.000765	0.00141	1	ND	mg/kg	
Endosulfan sulfate	U	A	0.000765	0.00141	1	ND	mg/kg	
Endrin	U	A	0.000722	0.00141	1	ND	mg/kg	
Endrin aldehyde	U	A	0.000601	0.00141	1	ND	mg/kg	
Toxaphene	U	A	0.0219	0.0714	1	ND	mg/kg	
gamma-BHC (Lindane)	U	A	0.000643	0.00141	1	ND	mg/kg	
4,4'-DDT	U	A	0.000675	0.00141	1	ND	mg/kg	
4,4'-DDE	U	A	0.000996	0.00141	1	ND	mg/kg	
4,4'-DDD	U	A	0.000852	0.00141	1	ND	mg/kg	
Methoxychlor	U	A	0.000895	0.00141	1	ND	mg/kg	
Heptachlor Epoxide	U	A	0.000880	0.00141	1	ND	mg/kg	
Heptachlor	U	A	0.000823	0.00141	1	ND	mg/kg	
Chlordane	U	A	0.000945	0.00141	1	ND	mg/kg	

Test	SW 846 9065	07/18/2018 09:34	5.41	ND	mg/kg	
Phenols	SW 846 9065	07/18/2018 09:34	5.41	ND	mg/kg	
VO+15	SW 846 8260B	07/12/2018 11:24	-	-	Results Listed Below	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Dichlorodifluoromethane	U	A	0.000731	0.00216	1	ND	mg/kg	
Chloromethane	U	A	0.000834	0.00216	1	ND	mg/kg	
Vinyl chloride	U	A	0.000411	0.00216	1	ND	mg/kg	
Bromomethane	U	A	0.000625	0.00216	1	ND	mg/kg	
Chloroethane	U	A	0.000369	0.00216	1	ND	mg/kg	
Trichlorofluoromethane	U	A	0.000249	0.00216	1	ND	mg/kg	
Acrolein	U	A	0.00117	0.00216	1	ND	mg/kg	
1,1-Dichloroethene	U	A	0.000401	0.00216	1	ND	mg/kg	
Methylene Chloride	U	A	0.000651	0.00216	1	ND	mg/kg	
Acrylonitrile	U	A	0.000506	0.00216	1	ND	mg/kg	
trans-1,2-Dichloroethene	U	A	0.000293	0.00216	1	ND	mg/kg	
1,1-Dichloroethane	U	A	0.000316	0.00216	1	ND	mg/kg	
cis-1,2-Dichloroethene	U	A	0.000105	0.00216	1	ND	mg/kg	

Chloroform	U	A	0.000364	0.00216	1	ND	mg/kg
1,1,1-Trichloroethane	U	A	0.000316	0.00216	1	ND	mg/kg
Carbon Tetrachloride	U	A	0.000326	0.00216	1	ND	mg/kg
1,2-Dichloroethane	U	A	0.000305	0.00216	1	ND	mg/kg
Benzene	U	A	0.000197	0.00216	1	ND	mg/kg
Trichloroethene	U	A	0.000318	0.00216	1	ND	mg/kg
1,2-Dichloropropane	U	A	0.000355	0.00216	1	ND	mg/kg
Bromodichloromethane	U	A	0.000272	0.00216	1	ND	mg/kg
2-Chloroethylvinyl Ether	U	A	0.000468	0.00216	1	ND	mg/kg
cis-1,3-Dichloropropene	U	A	0.000274	0.00216	1	ND	mg/kg
Toluene	U	A	0.000174	0.00216	1	ND	mg/kg
trans-1,3-Dichloropropene	U	A	0.000414	0.00216	1	ND	mg/kg
1,1,2-Trichloroethane	U	A	0.000365	0.00216	1	ND	mg/kg
Tetrachloroethene	U	A	0.000214	0.00216	1	ND	mg/kg
Dibromochloromethane	U	A	0.000266	0.00216	1	ND	mg/kg
Chlorobenzene	U	A	0.000314	0.00216	1	ND	mg/kg
1,1,2,2-Tetrachloroethane	U	A	0.000299	0.00216	1	ND	mg/kg
EthylBenzene	U	A	0.000293	0.00216	1	ND	mg/kg
Bromoform	U	A	0.000380	0.00216	1	ND	mg/kg
1,3-Dichlorobenzene	U	A	0.000159	0.00216	1	ND	mg/kg
1,4-Dichlorobenzene	U	A	0.000312	0.00216	1	ND	mg/kg
1,2-Dichlorobenzene	U	A	0.000382	0.00216	1	ND	mg/kg
Total Xylenes	U	A	0.000278	0.00216	1	ND	mg/kg
Tentatively Identified Compounds	J	T			1	0	mg/kg
Percent Solids	Gravimetric	07/06/2018 10:55			92.4	%	

Click here to request additional or contingent analyses for this Sample ID.

Click here to request additional or contingent analyses for this Sample ID.

BNA+25	SW 846 8270D	07/12/2018 15:56	-	-	Results Listed Below	-	-	
Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
n-Nitroso-dimethylamine	U	A	0.115	0.322	2	ND	mg/kg	
Phenol	U	A	0.0262	0.322	2	ND	mg/kg	
bis(2-chloroethyl)ether	U	A	0.0354	0.322	2	ND	mg/kg	
2-Chlorophenol	U	A	0.0427	0.322	2	ND	mg/kg	
bis(2-chloroisopropyl)ether	U	A	0.116	0.322	2	ND	mg/kg	
n-Nitroso-di-n-propylamine	U	A	0.0173	0.322	2	ND	mg/kg	
Hexachloroethane	U	A	0.0354	0.322	2	ND	mg/kg	
Nitrobenzene	U	A	0.0548	0.322	2	ND	mg/kg	
Isophorone	U	A	0.0211	0.322	2	ND	mg/kg	
2-Nitrophenol	U	A	0.0359	0.322	2	ND	mg/kg	
2,4-Dimethylphenol	U	A	0.0318	0.322	2	ND	mg/kg	
bis(2-chloroethoxy)methane	U	A	0.0446	0.322	2	ND	mg/kg	
2,4-Dichlorophenol	U	A	0.0325	0.322	2	ND	mg/kg	
1,2,4-Trichlorobenzene	U	A	0.0332	0.322	2	ND	mg/kg	
Naphthalene	U	A	0.0239	0.322	2	ND	mg/kg	
Hexachlorobutadiene	U	A	0.155	0.322	2	ND	mg/kg	
4-Chloro-3-methylphenol	U	A	0.0509	0.322	2	ND	mg/kg	
Hexachlorocyclopentadiene	U	A	0.135	0.807	2	ND	mg/kg	
2,4,6-Trichlorophenol	U	A	0.0202	0.322	2	ND	mg/kg	
2-Chloronaphthalene	U	A	0.0371	0.322	2	ND	mg/kg	
Dimethylphthalate	U	A	0.0200	0.322	2	ND	mg/kg	

Bromodichloromethane	U	A	0.000304	0.00242	1	ND	mg/kg
2-Chloroethylvinyl Ether	U	A	0.000524	0.00242	1	ND	mg/kg
cis-1,3-Dichloropropene	U	A	0.000307	0.00242	1	ND	mg/kg
Toluene	U	A	0.000195	0.00242	1	ND	mg/kg
trans-1,3-Dichloropropene	U	A	0.000463	0.00242	1	ND	mg/kg
1,1,2-Trichloroethane	U	A	0.000408	0.00242	1	ND	mg/kg
Tetrachloroethene	U	A	0.000240	0.00242	1	ND	mg/kg
Dibromochloromethane	U	A	0.000298	0.00242	1	ND	mg/kg
Chlorobenzene	U	A	0.000352	0.00242	1	ND	mg/kg
1,1,2,2-Tetrachloroethane	U	A	0.000335	0.00242	1	ND	mg/kg
EthylBenzene	U	A	0.000328	0.00242	1	ND	mg/kg
Bromoform	U	A	0.000425	0.00242	1	ND	mg/kg
1,3-Dichlorobenzene	U	A	0.000178	0.00242	1	ND	mg/kg
1,4-Dichlorobenzene	U	A	0.000349	0.00242	1	ND	mg/kg
1,2-Dichlorobenzene	U	A	0.000428	0.00242	1	ND	mg/kg
unknown	J	T			1	0.0110	mg/kg
Total Xylenes	U	A	0.000312	0.00242	1	ND	mg/kg
Tentatively Identified Compounds	J	T			1	0.0110	mg/kg

Test	Method	Sample ID	Date	Time	Amount	Units	Limit
Percent Solids	Gravimetric	07/06/2018 10:55			82.5	%	

Click here to request additional or contingent analyses for this Sample ID.

Test	Method	Sample ID	Date	Time	Amount	Units	Limit
BNA+25	SW 846 8270D	07/12/2018 15:56	-	-	Results Listed Below	-	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
n-Nitroso-dimethylamine	U	A	0.256	0.719	5	ND	mg/kg	
Phenol	U	A	0.0584	0.719	5	ND	mg/kg	
bis(2-chloroethyl)ether	U	A	0.0790	0.719	5	ND	mg/kg	
2-Chlorophenol	U	A	0.0952	0.719	5	ND	mg/kg	
bis(2-chloroisopropyl)ether	U	A	0.259	0.719	5	ND	mg/kg	
n-Nitroso-di-n-propylamine	U	A	0.0386	0.719	5	ND	mg/kg	
Hexachloroethane	U	A	0.0790	0.719	5	ND	mg/kg	
Nitrobenzene	U	A	0.122	0.719	5	ND	mg/kg	
Isophorone	U	A	0.0472	0.719	5	ND	mg/kg	
2-Nitrophenol	U	A	0.0800	0.719	5	ND	mg/kg	
2,4-Dimethylphenol	U	A	0.0708	0.719	5	ND	mg/kg	
bis(2-chloroethoxy)methane	U	A	0.0995	0.719	5	ND	mg/kg	
2,4-Dichlorophenol	U	A	0.0725	0.719	5	ND	mg/kg	
1,2,4-Trichlorobenzene	U	A	0.0741	0.719	5	ND	mg/kg	
Naphthalene	U	A	0.0533	0.719	5	ND	mg/kg	
Hexachlorobutadiene	U	A	0.346	0.719	5	ND	mg/kg	
4-Chloro-3-methylphenol	U	A	0.114	0.719	5	ND	mg/kg	
Hexachlorocyclopentadiene	U	A	0.300	1.80	5	ND	mg/kg	
2,4,6-Trichlorophenol	U	A	0.0450	0.719	5	ND	mg/kg	
2-Chloronaphthalene	U	A	0.0827	0.719	5	ND	mg/kg	
Dimethylphthalate	U	A	0.0447	0.719	5	ND	mg/kg	
Acenaphthylene	U	A	0.0250	0.719	5	ND	mg/kg	
2,6-Dinitrotoluene	U	A	0.172	0.719	5	ND	mg/kg	
Acenaphthene	U	A	0.0410	0.719	5	ND	mg/kg	
2,4-Dinitrophenol	U	A	0.104	3.61	5	ND	mg/kg	
4-Nitrophenol	U	A	0.0461	0.719	5	ND	mg/kg	
2,4-Dinitrotoluene	U	A	0.0768	0.719	5	ND	mg/kg	

Acenaphthylene	JD	A	0.0112	0.322	2	0.0928	mg/kg	NA
2,6-Dinitrotoluene	U	A	0.0771	0.322	2	ND	mg/kg	
Acenaphthene	JD	A	0.0184	0.322	2	0.122	mg/kg	3400
2,4-Dinitrophenol	U	A	0.0465	1.62	2	ND	mg/kg	
4-Nitrophenol	U	A	0.0207	0.322	2	ND	mg/kg	
2,4-Dinitrotoluene	U	A	0.0344	0.322	2	ND	mg/kg	
Fluorene	JD	A	0.0269	0.322	2	0.0942	mg/kg	2300
Diethylphthalate	U	A	0.0625	0.322	2	ND	mg/kg	
4-Chlorophenyl phenyl ether	U	A	0.0174	0.322	2	ND	mg/kg	
4,6-Dinitro-2-methylphenol	U	A	0.0608	0.807	2	ND	mg/kg	
n-Nitrosodiphenylamine	U	A	0.0688	0.322	2	ND	mg/kg	
1,2-Diphenylhydrazine	U	A	0.0352	0.322	2	ND	mg/kg	
4-Bromophenyl-phenyl ether	U	A	0.0461	0.322	2	ND	mg/kg	
Hexachlorobenzene	U	A	0.0422	0.322	2	ND	mg/kg	
Pentachlorophenol	U	A	0.0444	0.807	2	ND	mg/kg	
Phenanthrene	D	A	0.0424	0.322	2	0.947	mg/kg	NA
Anthracene	D	A	0.0468	0.322	2	0.332	mg/kg	17000
Di-n-butylphthalate	D	A	0.132	0.322	2	0.396	mg/kg	6100
Fluoranthene	D	A	0.0303	0.322	2	1.61	mg/kg	2300
Benzidine	U	A	0.738	0.807	2	ND	mg/kg	
Pyrene	D	A	0.0237	0.322	2	1.19	mg/kg	1700
Butylbenzylphthalate	D	A	0.0293	0.322	2	1.76	mg/kg	1200
Benzo(a)anthracene	D	A	0.0325	0.322	2	0.707	mg/kg	5
3,3'-Dichlorobenzidine	U	A	0.0339	0.322	2	ND	mg/kg	
Chrysene	D	A	0.0221	0.322	2	0.749	mg/kg	450
bis(2-ethylhexyl)phthalate	D	A	0.0645	0.322	2	0.453	mg/kg	35
Di-n-octylphthalate	U	A	0.0662	0.322	2	ND	mg/kg	
Benzo(b)fluoranthene	D	A	0.0453	0.322	2	1.32	mg/kg	5
Benzo(k)fluoranthene	D	A	0.0371	0.322	2	0.571	mg/kg	45
Benzo(a)pyrene	D	A	0.0562	0.322	2	0.805	mg/kg	.5 *
Indeno(1,2,3-cd)pyrene	JD	A	0.0347	0.322	2	0.315	mg/kg	5
Dibenzo(a,h)anthracene	JD	A	0.0320	0.322	2	0.104	mg/kg	.5
Benzo(g,h,i)perylene	D	A	0.0262	0.322	2	0.334	mg/kg	380000
Tentatively Identified Compounds	J	T			2	0	mg/kg	

Cyanide	SW 846 9014	07/17/2018 15:48	0.3030303	ND	mg/kg	
ICP Antimony	SW 846 6010C	07/23/2018 11:19	1.52	3.58	mg/kg	31
ICP Arsenic	SW 846 6010C	07/23/2018 11:19	1.52	6.24	mg/kg	19
ICP Beryllium	SW 846 6010C	07/23/2018 11:19	0.0303	0.124	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19	0.303	2.43	mg/kg	78
ICP Chromium	SW 846 6010C	07/23/2018 11:19	0.303	16.9	mg/kg	
ICP Copper	SW 846 6010C	07/23/2018 11:19	0.303	111	mg/kg	3100
ICP Lead	SW 846 6010C	07/23/2018 13:54	1.52	503	mg/kg	400 *
ICP Nickel	SW 846 6010C	07/23/2018 11:19	0.152	73.6	mg/kg	1600
ICP Selenium	SW 846 6010C	07/23/2018 11:19	1.52	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19	0.606	ND	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19	1.52	ND	mg/kg	
ICP Zinc	SW 846 6010C	07/23/2018 11:19	0.909	606	mg/kg	23000
Mercury	SW 846 7471B	07/17/2018 14:12	0.0550	0.278	mg/kg	23
PCBs	SW 846 8082	07/16/2018 12:19	-	-	Results Listed Below	-

Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Aroclor-1016	U	A	0.000713	0.0400	1	ND	mg/kg	
Aroclor-1221	U	A	0.00123	0.0400	1	ND	mg/kg	

Aroclor-1232	U	A	0.000942	0.0400	1	ND	mg/kg	
Aroclor-1242	U	A	0.00136	0.0400	1	ND	mg/kg	
Aroclor-1248	U	A	0.000938	0.0400	1	ND	mg/kg	
Aroclor-1254	U	A	0.00143	0.0400	1	ND	mg/kg	
Aroclor-1260 [2C]		A	0.00152	0.0400	1	0.282	mg/kg	0.2 *
Total PCBs		A	0.000713	0.0400	1	N/A	mg/kg	0.2

Pesticides	SW 846 8081A	07/16/2018 15:43	-	-	Results Listed Below	-	-
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Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Aldrin	U	A	0.000978	0.00158	1	ND	mg/kg	
alpha-BHC	U	A	0.000610	0.00158	1	ND	mg/kg	
beta-BHC	U	A	0.00155	0.00158	1	ND	mg/kg	
delta-BHC	U	A	0.00122	0.00158	1	ND	mg/kg	
Dieldrin	U	A	0.000848	0.00158	1	ND	mg/kg	
Endosulfan I	U	A	0.00109	0.00158	1	ND	mg/kg	
Endosulfan II	U	A	0.000857	0.00158	1	ND	mg/kg	
Endosulfan sulfate	U	A	0.000857	0.00158	1	ND	mg/kg	
Endrin	U	A	0.000808	0.00158	1	ND	mg/kg	
Endrin aldehyde	U	A	0.000673	0.00158	1	ND	mg/kg	
Toxaphene	U	A	0.0245	0.0800	1	ND	mg/kg	
gamma-BHC (Lindane)	U	A	0.000720	0.00158	1	ND	mg/kg	
4,4'-DDT	U	A	0.000756	0.00158	1	ND	mg/kg	
4,4'-DDE	U	A	0.00112	0.00158	1	ND	mg/kg	
4,4'-DDD	U	A	0.000954	0.00158	1	ND	mg/kg	
Methoxychlor	U	A	0.00100	0.00158	1	ND	mg/kg	
Heptachlor Epoxide	U	A	0.000985	0.00158	1	ND	mg/kg	
Heptachlor	U	A	0.000921	0.00158	1	ND	mg/kg	
Chlordane [2C]		A	0.00114	0.00158	1	0.0112	mg/kg	0.2

Phenols	SW 846 9065	07/18/2018 09:34		6.06	ND	mg/kg	
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VO+15	SW 846 8260B	07/12/2018 11:24	-	-	Results Listed Below	-	-
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Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Dichlorodifluoromethane	U	A	0.000818	0.00242	1	ND	mg/kg	
Chloromethane	U	A	0.000933	0.00242	1	ND	mg/kg	
Vinyl chloride	U	A	0.000461	0.00242	1	ND	mg/kg	
Bromomethane	U	A	0.000699	0.00242	1	ND	mg/kg	
Chloroethane	U	A	0.000413	0.00242	1	ND	mg/kg	
Trichlorofluoromethane	U	A	0.000279	0.00242	1	ND	mg/kg	
Acrolein	U	A	0.00131	0.00242	1	ND	mg/kg	
1,1-Dichloroethene	U	A	0.000448	0.00242	1	ND	mg/kg	
Methylene Chloride	U	A	0.000728	0.00242	1	ND	mg/kg	
Acrylonitrile	U	A	0.000566	0.00242	1	ND	mg/kg	
trans-1,2-Dichloroethene	U	A	0.000328	0.00242	1	ND	mg/kg	
1,1-Dichloroethane	U	A	0.000354	0.00242	1	ND	mg/kg	
cis-1,2-Dichloroethene	U	A	0.000117	0.00242	1	ND	mg/kg	
Chloroform	U	A	0.000407	0.00242	1	ND	mg/kg	
1,1,1-Trichloroethane	U	A	0.000354	0.00242	1	ND	mg/kg	
Carbon Tetrachloride	U	A	0.000365	0.00242	1	ND	mg/kg	
1,2-Dichloroethane	U	A	0.000342	0.00242	1	ND	mg/kg	
Benzene	U	A	0.000221	0.00242	1	ND	mg/kg	
Trichloroethene	U	A	0.000356	0.00242	1	ND	mg/kg	
1,2-Dichloropropane	U	A	0.000398	0.00242	1	ND	mg/kg	

Test	Sample	Sample Name	MDL	RL	Result	Units	Limit	
Pesticides	SW 846 8081A	07/16/2018 15:43	-	-	Results Listed Below	-	-	
Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Aldrin	U	A	0.000873	0.00141	1	ND	mg/kg	
alpha-BHC	U	A	0.000544	0.00141	1	ND	mg/kg	
beta-BHC	U	A	0.00138	0.00141	1	ND	mg/kg	
delta-BHC	U	A	0.00109	0.00141	1	ND	mg/kg	
Dieldrin	U	A	0.000757	0.00141	1	ND	mg/kg	
Endosulfan I	U	A	0.000973	0.00141	1	ND	mg/kg	
Endosulfan II	U	A	0.000765	0.00141	1	ND	mg/kg	
Endosulfan sulfate	U	A	0.000765	0.00141	1	ND	mg/kg	
Endrin	U	A	0.000721	0.00141	1	ND	mg/kg	
Endrin aldehyde	U	A	0.000600	0.00141	1	ND	mg/kg	
Toxaphene	U	A	0.0218	0.0714	1	ND	mg/kg	
gamma-BHC (Lindane)	U	A	0.000642	0.00141	1	ND	mg/kg	
4,4'-DDT	U	A	0.000675	0.00141	1	ND	mg/kg	
4,4'-DDE	U	A	0.000995	0.00141	1	ND	mg/kg	
4,4'-DDD	U	A	0.000851	0.00141	1	ND	mg/kg	
Methoxychlor	U	A	0.000894	0.00141	1	ND	mg/kg	
Heptachlor Epoxide	U	A	0.000879	0.00141	1	ND	mg/kg	
Heptachlor	U	A	0.000822	0.00141	1	ND	mg/kg	
Chlordane	U	A	0.000944	0.00141	1	ND	mg/kg	
Test	Sample	Sample Name	MDL	RL	Result	Units	Limit	
Phenols	SW 846 9065	07/18/2018 09:34		5.41	ND	mg/kg		
VO+15	SW 846 8260B	07/12/2018 17:05	-	-	Results Listed Below	-	-	
Analyte	Qualifier	Type	MDL	RL	Dilution	Result	Units	Limit
Dichlorodifluoromethane	U	A	0.000730	0.00216	1	ND	mg/kg	
Chloromethane	U	A	0.000833	0.00216	1	ND	mg/kg	
Vinyl chloride	U	A	0.000411	0.00216	1	ND	mg/kg	
Bromomethane	U	A	0.000624	0.00216	1	ND	mg/kg	
Chloroethane	U	A	0.000369	0.00216	1	ND	mg/kg	
Trichlorofluoromethane	U	A	0.000249	0.00216	1	ND	mg/kg	
Acrolein	U	A	0.00117	0.00216	1	ND	mg/kg	
1,1-Dichloroethene	U	A	0.000400	0.00216	1	ND	mg/kg	
Methylene Chloride	U	A	0.000650	0.00216	1	ND	mg/kg	
Acrylonitrile	U	A	0.000505	0.00216	1	ND	mg/kg	
trans-1,2-Dichloroethene	U	A	0.000293	0.00216	1	ND	mg/kg	
1,1-Dichloroethane	U	A	0.000316	0.00216	1	ND	mg/kg	
cis-1,2-Dichloroethene	U	A	0.000105	0.00216	1	ND	mg/kg	
Chloroform	U	A	0.000363	0.00216	1	ND	mg/kg	
1,1,1-Trichloroethane	U	A	0.000316	0.00216	1	ND	mg/kg	
Carbon Tetrachloride	U	A	0.000326	0.00216	1	ND	mg/kg	
1,2-Dichloroethane	U	A	0.000305	0.00216	1	ND	mg/kg	
Benzene	U	A	0.000197	0.00216	1	ND	mg/kg	
Trichloroethene	U	A	0.000318	0.00216	1	ND	mg/kg	
1,2-Dichloropropane	U	A	0.000355	0.00216	1	ND	mg/kg	
Bromodichloromethane	U	A	0.000271	0.00216	1	ND	mg/kg	
2-Chloroethylvinyl Ether	U	A	0.000467	0.00216	1	ND	mg/kg	
cis-1,3-Dichloropropene	U	A	0.000274	0.00216	1	ND	mg/kg	
Toluene	U	A	0.000174	0.00216	1	ND	mg/kg	
trans-1,3-Dichloropropene	U	A	0.000413	0.00216	1	ND	mg/kg	
1,1,2-Trichloroethane	U	A	0.000364	0.00216	1	ND	mg/kg	

Tetrachloroethene	U	A	0.000214	0.00216	1	ND	mg/kg
Dibromochloromethane	U	A	0.000266	0.00216	1	ND	mg/kg
Chlorobenzene	U	A	0.000314	0.00216	1	ND	mg/kg
1,1,2,2-Tetrachloroethane	U	A	0.000299	0.00216	1	ND	mg/kg
EthylBenzene	U	A	0.000293	0.00216	1	ND	mg/kg
Bromoform	U	A	0.000380	0.00216	1	ND	mg/kg
1,3-Dichlorobenzene	U	A	0.000159	0.00216	1	ND	mg/kg
1,4-Dichlorobenzene	U	A	0.000311	0.00216	1	ND	mg/kg
1,2-Dichlorobenzene	U	A	0.000382	0.00216	1	ND	mg/kg
Total Xylenes	U	A	0.000278	0.00216	1	ND	mg/kg
Tentatively Identified Compounds	J	T			1	0	mg/kg

Test	Method	Sample ID	Value	Unit	Limit
Percent Solids	Gravimetric	07/06/2018 10:55	92.5	%	

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Test	Method	Sample ID	Value	Unit	Limit
ICP Aluminum	SW 846 6010C	07/23/2018 11:19	3.02	16700	mg/kg 78000
ICP Antimony	SW 846 6010C	07/23/2018 11:19	1.51	ND	mg/kg
ICP Arsenic	SW 846 6010C	07/23/2018 11:19	1.51	3.08	mg/kg 19
ICP Barium	SW 846 6010C	07/23/2018 11:19	0.605	253	mg/kg 16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19	0.0302	0.565	mg/kg 16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19	0.302	4.50	mg/kg 78
ICP Calcium	SW 846 6010C	07/23/2018 14:09	30.2	5620	mg/kg
ICP Chromium	SW 846 6010C	07/23/2018 11:19	0.302	21.8	mg/kg
ICP Cobalt	SW 846 6010C	07/23/2018 11:19	0.242	4.66	mg/kg 1600
ICP Copper	SW 846 6010C	07/23/2018 11:19	0.302	90.7	mg/kg 3100
ICP Iron	SW 846 6010C	07/23/2018 13:53	60.5	90700	mg/kg
ICP Lead	SW 846 6010C	07/23/2018 13:54	1.51	438	mg/kg 400 *
ICP Magnesium	SW 846 6010C	07/23/2018 11:19	60.5	3390	mg/kg
ICP Manganese	SW 846 6010C	07/23/2018 11:19	0.302	292	mg/kg 11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19	0.151	336	mg/kg 1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19	121	514	mg/kg
ICP Selenium	SW 846 6010C	07/23/2018 11:19	1.51	ND	mg/kg
ICP Silver	SW 846 6010C	07/23/2018 11:19	0.605	ND	mg/kg
ICP Sodium	SW 846 6010C	07/23/2018 11:19	60.5	907	mg/kg
ICP Thallium	SW 846 6010C	07/23/2018 11:19	1.51	ND	mg/kg
ICP Vanadium	SW 846 6010C	07/23/2018 11:19	0.605	18.9	mg/kg 78
ICP Zinc	SW 846 6010C	07/23/2018 13:51	90.7	4720	mg/kg 23000
Mercury	SW 846 7471B	07/17/2018 14:12	0.0580	0.189	mg/kg 23
Percent Solids	Gravimetric	07/06/2018 10:55		82.7	%
TPHC (DRO)	SW 846 8015B	07/10/2018 12:04	14.5	60.5	412 mg/kg
TPHC (GRO)	SW 846 8015B	07/09/2018 13:10	60.5	60.5	ND mg/kg

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Test	Method	Sample ID	Value	Unit	Limit
ICP Aluminum	SW 846 6010C	07/23/2018 11:19	2.72	8370	mg/kg 78000
ICP Antimony	SW 846 6010C	07/23/2018 11:19	1.36	ND	mg/kg
ICP Arsenic	SW 846 6010C	07/23/2018 11:19	1.36	ND	mg/kg
ICP Barium	SW 846 6010C	07/23/2018 11:19	0.544	56.8	mg/kg 16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19	0.0272	0.329	mg/kg 16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19	0.272	ND	mg/kg

ICP Calcium	SW 846 6010C	07/23/2018 14:09		27.2	4620	mg/kg	
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.272	9.65	mg/kg	
ICP Cobalt	SW 846 6010C	07/23/2018 11:19		0.217	4.46	mg/kg	1600
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.272	51.1	mg/kg	3100
ICP Iron	SW 846 6010C	07/23/2018 13:52		5.44	13900	mg/kg	
ICP Lead	SW 846 6010C	07/23/2018 13:54		1.36	90.2	mg/kg	400
ICP Magnesium	SW 846 6010C	07/23/2018 11:19		54.4	2580	mg/kg	
ICP Manganese	SW 846 6010C	07/23/2018 11:19		0.272	288	mg/kg	11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.136	36.1	mg/kg	1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19		109	516	mg/kg	
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.36	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.544	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018 11:19		54.4	245	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.36	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018 11:19		0.544	16.5	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018 11:19		0.815	538	mg/kg	23000
Mercury	SW 846 7471B	07/17/2018 14:12		0.0460	ND	mg/kg	
Percent Solids	Gravimetric	07/06/2018 10:55			92.0	%	
TPHC (DRO)	SW 846 8015B	07/10/2018 12:04	13.0	54.4	ND	mg/kg	
TPHC (GRO)	SW 846 8015B	07/09/2018 13:10	54.4	54.4	ND	mg/kg	

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Test	Sample	Analysis Date	Lab	Result	Limit	Units	Limit
ICP Aluminum	SW 846 6010C	07/23/2018 11:19		3.53	10800	mg/kg	78000
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.77	ND	mg/kg	
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.77	4.49	mg/kg	19
ICP Barium	SW 846 6010C	07/23/2018 11:19		0.706	97.8	mg/kg	16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0353	0.427	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.353	ND	mg/kg	
ICP Calcium	SW 846 6010C	07/23/2018 14:09		35.3	2830	mg/kg	
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.353	12.9	mg/kg	
ICP Cobalt	SW 846 6010C	07/23/2018 11:19		0.283	4.59	mg/kg	1600
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.353	62.5	mg/kg	3100
ICP Iron	SW 846 6010C	07/23/2018 13:52		7.06	17500	mg/kg	
ICP Lead	SW 846 6010C	07/23/2018 13:54		1.77	210	mg/kg	400
ICP Magnesium	SW 846 6010C	07/23/2018 11:19		70.6	2120	mg/kg	
ICP Manganese	SW 846 6010C	07/23/2018 11:19		0.353	228	mg/kg	11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.177	28.9	mg/kg	1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19		141	530	mg/kg	
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.77	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.706	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018 11:19		70.6	389	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.77	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018 11:19		0.706	29.6	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018 11:19		1.06	434	mg/kg	23000
Mercury	SW 846 7471B	07/17/2018 14:12		0.0569	0.193	mg/kg	23
Percent Solids	Gravimetric	07/06/2018 10:55			70.8	%	
TPHC (DRO)	SW 846 8015B	07/13/2018 08:01	84.8	353	27800	mg/kg	
TPHC (GRO)	SW 846 8015B	07/09/2018 13:10	70.6	70.6	ND	mg/kg	

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Element	Sample ID	Date/Time	Concentration (mg/kg)	Concentration (mg/kg)	Unit	Limit
ICP Aluminum	SW 846 6010C	07/23/2018 11:19	3.18	13500	mg/kg	78000
ICP Antimony	SW 846 6010C	07/23/2018 11:19	1.59	3.85	mg/kg	31
ICP Arsenic	SW 846 6010C	07/23/2018 11:19	1.59	8.05	mg/kg	19
ICP Barium	SW 846 6010C	07/23/2018 11:19	0.636	215	mg/kg	16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19	0.0318	0.576	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19	0.318	8.53	mg/kg	78
ICP Calcium	SW 846 6010C	07/23/2018 14:09	31.8	2260	mg/kg	
ICP Chromium	SW 846 6010C	07/23/2018 11:19	0.318	37.6	mg/kg	
ICP Cobalt	SW 846 6010C	07/23/2018 11:19	0.255	5.47	mg/kg	1600
ICP Copper	SW 846 6010C	07/23/2018 11:19	0.318	80.8	mg/kg	3100
ICP Iron	SW 846 6010C	07/23/2018 13:52	63.6	56000	mg/kg	
ICP Lead	SW 846 6010C	07/23/2018 13:54	1.59	458	mg/kg	400 *
ICP Magnesium	SW 846 6010C	07/23/2018 11:19	63.6	2200	mg/kg	
ICP Manganese	SW 846 6010C	07/23/2018 11:19	0.318	366	mg/kg	11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19	0.159	24.2	mg/kg	1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19	127	605	mg/kg	
ICP Selenium	SW 846 6010C	07/23/2018 11:19	1.59	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19	0.636	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018 11:19	63.6	732	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19	1.59	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018 11:19	0.636	50.3	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018 11:19	0.955	808	mg/kg	23000
Mercury	SW 846 7471B	07/18/2018 13:54	0.0548	0.141	mg/kg	23
Percent Solids	Gravimetric	07/06/2018 10:55		78.6	%	
TPHC (DRO)	SW 846 8015B	07/10/2018 12:04	15.3	63.6	mg/kg	
TPHC (GRO)	SW 846 8015B	07/09/2018 13:10	63.6	63.6	mg/kg	

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Element	Sample ID	Date/Time	Concentration (mg/kg)	Concentration (mg/kg)	Unit	Limit
ICP Aluminum	SW 846 6010C	07/23/2018 11:19	2.57	5320	mg/kg	78000
ICP Antimony	SW 846 6010C	07/23/2018 11:19	1.28	ND	mg/kg	
ICP Arsenic	SW 846 6010C	07/23/2018 11:19	1.28	1.48	mg/kg	19
ICP Barium	SW 846 6010C	07/23/2018 11:19	0.514	41.9	mg/kg	16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19	0.0257	0.193	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19	0.257	ND	mg/kg	
ICP Calcium	SW 846 6010C	07/23/2018 14:09	25.7	7450	mg/kg	
ICP Chromium	SW 846 6010C	07/23/2018 11:19	0.257	8.29	mg/kg	
ICP Cobalt	SW 846 6010C	07/23/2018 11:19	0.205	4.06	mg/kg	1600
ICP Copper	SW 846 6010C	07/23/2018 11:19	0.257	18.4	mg/kg	3100
ICP Iron	SW 846 6010C	07/23/2018 13:52	5.14	13100	mg/kg	
ICP Lead	SW 846 6010C	07/23/2018 13:54	1.28	68.3	mg/kg	400
ICP Magnesium	SW 846 6010C	07/23/2018 11:19	51.4	3210	mg/kg	
ICP Manganese	SW 846 6010C	07/23/2018 11:19	0.257	235	mg/kg	11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19	0.128	10.0	mg/kg	1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19	103	719	mg/kg	
ICP Selenium	SW 846 6010C	07/23/2018 11:19	1.28	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19	0.514	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018 11:19	51.4	205	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19	1.28	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018 11:19	0.514	11.4	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018 11:19	0.770	112	mg/kg	23000
Mercury	SW 846 7471B	07/18/2018 13:54	0.0442	ND	mg/kg	

Percent Solids	Gravimetric	07/06/2018 10:55			97.3	%	
TPHC (DRO)	SW 846 8015B	07/13/2018 08:01	12.3	51.4	ND	mg/kg	
TPHC (GRO)	SW 846 8015B	07/09/2018 13:10	51.4	51.4	ND	mg/kg	

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Test	Sample ID	Sample Date	Unit	Value	Unit	Limit
ICP Aluminum	SW 846 6010C	07/23/2018 11:19		3.00	12500	mg/kg 78000
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.50	ND	mg/kg
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.50	2.58	mg/kg 19
ICP Barium	SW 846 6010C	07/23/2018 11:19		0.600	60.3	mg/kg 16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0300	0.492	mg/kg 16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.300	ND	mg/kg
ICP Calcium	SW 846 6010C	07/23/2018 14:09		30.0	1320	mg/kg
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.300	9.93	mg/kg
ICP Cobalt	SW 846 6010C	07/23/2018 11:19		0.240	3.93	mg/kg 1600
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.300	18.1	mg/kg 3100
ICP Iron	SW 846 6010C	07/23/2018 13:52		6.00	15600	mg/kg
ICP Lead	SW 846 6010C	07/23/2018 13:54		1.50	65.1	mg/kg 400
ICP Magnesium	SW 846 6010C	07/23/2018 11:19		60.0	1950	mg/kg
ICP Manganese	SW 846 6010C	07/23/2018 11:19		0.300	339	mg/kg 11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.150	13.3	mg/kg 1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19		120	480	mg/kg
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.50	ND	mg/kg
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.600	ND	mg/kg
ICP Sodium	SW 846 6010C	07/23/2018 11:19		60.0	210	mg/kg
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.50	ND	mg/kg
ICP Vanadium	SW 846 6010C	07/23/2018 11:19		0.600	15.8	mg/kg 78
ICP Zinc	SW 846 6010C	07/23/2018 11:19		0.900	81.6	mg/kg 23000
Mercury	SW 846 7471B	07/18/2018 13:54		0.0491	ND	mg/kg
Percent Solids	Gravimetric	07/06/2018 10:55			83.3	%
TPHC (DRO)	SW 846 8015B	07/19/2018 08:18	14.4	60.0	ND	mg/kg
TPHC (GRO)	SW 846 8015B	07/09/2018 13:10	60.0	60.0	ND	mg/kg

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Test	Sample ID	Sample Date	Unit	Value	Unit	Limit
ICP Aluminum	SW 846 6010C	07/23/2018 11:19		2.69	10500	mg/kg 78000
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.34	ND	mg/kg
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.34	ND	mg/kg
ICP Barium	SW 846 6010C	07/23/2018 11:19		0.538	44.4	mg/kg 16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0269	0.409	mg/kg 16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.269	ND	mg/kg
ICP Calcium	SW 846 6010C	07/23/2018 14:12		26.9	484	mg/kg
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.269	9.79	mg/kg
ICP Cobalt	SW 846 6010C	07/23/2018 11:19		0.215	5.03	mg/kg 1600
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.269	13.9	mg/kg 3100
ICP Iron	SW 846 6010C	07/23/2018 13:52		5.38	15600	mg/kg
ICP Lead	SW 846 6010C	07/23/2018 13:54		1.34	22.4	mg/kg 400
ICP Magnesium	SW 846 6010C	07/23/2018 11:19		53.8	2960	mg/kg
ICP Manganese	SW 846 6010C	07/23/2018 11:19		0.269	352	mg/kg 11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.134	12.7	mg/kg 1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19		108	645	mg/kg

ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.34	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.538	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018 11:19		53.8	161	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.34	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018 11:19		0.538	13.5	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018 11:19		0.807	47.6	mg/kg	23000
Mercury	SW 846 7471B	07/18/2018 13:54		0.0488	ND	mg/kg	
Percent Solids	Gravimetric	07/06/2018 10:55			93.0	%	
TPHC (DRO)	SW 846 8015B	07/19/2018 08:18	12.9	53.8	ND	mg/kg	
TPHC (GRO)	SW 846 8015B	07/09/2018 13:10	53.8	53.8	ND	mg/kg	

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Test	Method	Sample Name	Date	Result	Limit	Units	Limit
ICP Aluminum	SW 846 6010C	07/23/2018 11:19		2.60	8250	mg/kg	78000
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.30	ND	mg/kg	
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.30	3.67	mg/kg	19
ICP Barium	SW 846 6010C	07/23/2018 11:19		0.521	58.8	mg/kg	16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0260	0.172	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.260	ND	mg/kg	
ICP Calcium	SW 846 6010C	07/23/2018 14:12		260	29900	mg/kg	
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.260	16.6	mg/kg	
ICP Cobalt	SW 846 6010C	07/23/2018 11:19		0.208	5.31	mg/kg	1600
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.260	31.8	mg/kg	3100
ICP Iron	SW 846 6010C	07/23/2018 13:52		5.21	13500	mg/kg	
ICP Lead	SW 846 6010C	07/23/2018 13:54		1.30	113	mg/kg	400
ICP Magnesium	SW 846 6010C	07/23/2018 11:19		52.1	9420	mg/kg	
ICP Manganese	SW 846 6010C	07/23/2018 11:19		0.260	181	mg/kg	11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.130	13.1	mg/kg	1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19		104	1220	mg/kg	
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.30	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.521	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018 11:19		52.1	390	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.30	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018 11:19		0.521	24.9	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018 11:19		0.781	68.2	mg/kg	23000
Mercury	SW 846 7471B	07/18/2018 13:54		0.0490	0.0497	mg/kg	23
Percent Solids	Gravimetric	07/06/2018 10:55			96.0	%	
TPHC (DRO)	SW 846 8015B	07/19/2018 08:18	12.5	52.1	ND	mg/kg	
TPHC (GRO)	SW 846 8015B	07/09/2018 13:10	52.1	52.1	ND	mg/kg	

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Test	Method	Sample Name	Date	Result	Limit	Units	Limit
ICP Aluminum	SW 846 6010C	07/23/2018 11:19		2.65	11700	mg/kg	78000
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.33	ND	mg/kg	
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.33	1.73	mg/kg	19
ICP Barium	SW 846 6010C	07/23/2018 11:19		0.532	51.1	mg/kg	16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0266	0.439	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.266	ND	mg/kg	
ICP Calcium	SW 846 6010C	07/23/2018 14:09		26.6	2690	mg/kg	
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.266	11.0	mg/kg	
ICP Cobalt	SW 846 6010C	07/23/2018 11:19		0.213	5.93	mg/kg	1600

ICP Copper	SW 846 6010C	07/23/2018 11:19		0.266	22.0	mg/kg	3100
ICP Iron	SW 846 6010C	07/23/2018 13:52		5.32	19700	mg/kg	
ICP Lead	SW 846 6010C	07/23/2018 13:54		1.33	79.0	mg/kg	400
ICP Magnesium	SW 846 6010C	07/23/2018 11:19		53.2	5030	mg/kg	
ICP Manganese	SW 846 6010C	07/23/2018 11:19		0.266	431	mg/kg	11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.133	15.9	mg/kg	1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19		106	612	mg/kg	
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.33	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.532	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018 11:19		53.2	213	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.33	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018 11:19		0.532	12.1	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018 11:19		0.798	92.9	mg/kg	23000
Mercury	SW 846 7471B	07/18/2018 13:54		0.0443	0.129	mg/kg	23
Percent Solids	Gravimetric	07/06/2018 10:55			94.0	%	
TPHC (DRO)	SW 846 8015B	07/19/2018 08:18	12.8	53.2	ND	mg/kg	
TPHC (GRO)	SW 846 8015B	07/09/2018 13:10	53.2	53.2	ND	mg/kg	

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ICP Aluminum	SW 846 6010C	07/23/2018 11:19		2.70	9930	mg/kg	78000
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.35	ND	mg/kg	
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.35	ND	mg/kg	
ICP Barium	SW 846 6010C	07/23/2018 11:19		0.540	33.5	mg/kg	16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0270	0.278	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.270	ND	mg/kg	
ICP Calcium	SW 846 6010C	07/23/2018 14:09		27.0	2590	mg/kg	
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.270	8.91	mg/kg	
ICP Cobalt	SW 846 6010C	07/23/2018 11:19		0.216	6.85	mg/kg	1600
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.270	22.9	mg/kg	3100
ICP Iron	SW 846 6010C	07/23/2018 13:52		5.40	18200	mg/kg	
ICP Lead	SW 846 6010C	07/23/2018 13:54		1.35	18.2	mg/kg	400
ICP Magnesium	SW 846 6010C	07/23/2018 11:19		54.0	3910	mg/kg	
ICP Manganese	SW 846 6010C	07/23/2018 11:19		0.270	343	mg/kg	11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.135	11.4	mg/kg	1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19		108	702	mg/kg	
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.35	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.540	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018 11:19		54.0	459	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.35	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018 11:19		0.540	23.2	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018 11:19		0.810	46.7	mg/kg	23000
Mercury	SW 846 7471B	07/18/2018 13:54		0.0539	ND	mg/kg	
Percent Solids	Gravimetric	07/06/2018 10:55			92.6	%	
TPHC (DRO)	SW 846 8015B	07/19/2018 08:18	13.0	54.0	ND	mg/kg	
TPHC (GRO)	SW 846 8015B	07/09/2018 13:10	54.0	54.0	ND	mg/kg	

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ICP Aluminum	SW 846 6010C	07/23/2018 11:19		2.61	5550	mg/kg	78000
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.30	ND	mg/kg	

ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.30	ND	mg/kg	
ICP Barium	SW 846 6010C	07/23/2018 11:19		0.521	34.1	mg/kg	16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0261	0.224	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.261	ND	mg/kg	
ICP Calcium	SW 846 6010C	07/23/2018 14:09		26.1	3280	mg/kg	
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.261	6.51	mg/kg	
ICP Cobalt	SW 846 6010C	07/23/2018 11:19		0.208	4.79	mg/kg	1600
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.261	13.4	mg/kg	3100
ICP Iron	SW 846 6010C	07/23/2018 13:52		5.21	13200	mg/kg	
ICP Lead	SW 846 6010C	07/23/2018 13:54		1.30	11.2	mg/kg	400
ICP Magnesium	SW 846 6010C	07/23/2018 11:19		52.1	2660	mg/kg	
ICP Manganese	SW 846 6010C	07/23/2018 11:19		0.261	318	mg/kg	11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.130	9.59	mg/kg	1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19		104	834	mg/kg	
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.30	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.521	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018 11:19		52.1	208	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.30	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018 11:19		0.521	10.6	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018 11:19		0.782	35.4	mg/kg	23000
Mercury	SW 846 7471B	07/18/2018 13:54		0.0456	ND	mg/kg	
Percent Solids	Gravimetric	07/06/2018 10:55			95.9	%	
TPHC (DRO)	SW 846 8015B	07/19/2018 08:18	12.5	52.1	ND	mg/kg	
TPHC (GRO)	SW 846 8015B	07/09/2018 13:10	52.1	52.1	ND	mg/kg	

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Test	Sample	Time	Unit	Value	Unit	Limit	Unit
ICP Aluminum	SW 846 6010C	07/23/2018 11:19		3.02	12400	mg/kg	78000
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.51	2.54	mg/kg	31
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.51	2.82	mg/kg	19
ICP Barium	SW 846 6010C	07/23/2018 11:19		0.604	130	mg/kg	16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0302	0.453	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.302	1.66	mg/kg	78
ICP Calcium	SW 846 6010C	07/23/2018 14:09		30.2	1300	mg/kg	
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.302	18.5	mg/kg	
ICP Cobalt	SW 846 6010C	07/23/2018 11:19		0.242	6.19	mg/kg	1600
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.302	601	mg/kg	3100
ICP Iron	SW 846 6010C	07/23/2018 13:52		60.4	69800	mg/kg	
ICP Lead	SW 846 6010C	07/23/2018 13:54		1.51	329	mg/kg	400
ICP Magnesium	SW 846 6010C	07/23/2018 11:19		60.4	2050	mg/kg	
ICP Manganese	SW 846 6010C	07/23/2018 11:19		0.302	326	mg/kg	11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.151	276	mg/kg	1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19		121	483	mg/kg	
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.51	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.604	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018 11:19		60.4	453	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.51	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018 11:19		0.604	18.0	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018 13:51		9.06	2520	mg/kg	23000
Mercury	SW 846 7471B	07/18/2018 13:54		0.0520	0.101	mg/kg	23
Percent Solids	Gravimetric	07/06/2018 10:55			82.8	%	
TPHC (DRO)	SW 846 8015B	07/19/2018 08:18	14.5	60.4	ND	mg/kg	
TPHC (GRO)	SW 846 8015B	07/10/2018 17:55	60.4	60.4	ND	mg/kg	

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Sample	Sample ID	Sample Date	Sample Time	Sample	Sample	Sample	Sample
ICP Aluminum	SW 846 6010C	07/23/2018	11:19	2.76	16400	mg/kg	78000
ICP Antimony	SW 846 6010C	07/23/2018	11:19	1.38	ND	mg/kg	
ICP Arsenic	SW 846 6010C	07/23/2018	11:19	1.38	2.01	mg/kg	19
ICP Barium	SW 846 6010C	07/23/2018	11:19	0.551	88.2	mg/kg	16000
ICP Beryllium	SW 846 6010C	07/23/2018	11:19	0.0276	0.505	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018	11:19	0.276	ND	mg/kg	
ICP Calcium	SW 846 6010C	07/23/2018	14:09	27.6	717	mg/kg	
ICP Chromium	SW 846 6010C	07/23/2018	11:19	0.276	14.4	mg/kg	
ICP Cobalt	SW 846 6010C	07/23/2018	11:19	0.221	5.43	mg/kg	1600
ICP Copper	SW 846 6010C	07/23/2018	11:19	0.276	86.3	mg/kg	3100
ICP Iron	SW 846 6010C	07/23/2018	13:52	5.51	21300	mg/kg	
ICP Lead	SW 846 6010C	07/23/2018	13:54	1.38	65.1	mg/kg	400
ICP Magnesium	SW 846 6010C	07/23/2018	11:19	55.1	2560	mg/kg	
ICP Manganese	SW 846 6010C	07/23/2018	11:19	0.276	350	mg/kg	11000
ICP Nickel	SW 846 6010C	07/23/2018	11:19	0.138	33.6	mg/kg	1600
ICP Potassium	SW 846 6010C	07/23/2018	11:19	110	551	mg/kg	
ICP Selenium	SW 846 6010C	07/23/2018	11:19	1.38	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018	11:19	0.551	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018	11:19	55.1	303	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018	11:19	1.38	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018	11:19	0.551	18.8	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018	11:19	0.827	198	mg/kg	23000
Mercury	SW 846 7471B	07/18/2018	13:54	0.0540	ND	mg/kg	
Percent Solids	Gravimetric	07/06/2018	10:55		90.7	%	
TPHC (DRO)	SW 846 8015B	07/19/2018	08:18	13.2	55.1	mg/kg	
TPHC (GRO)	SW 846 8015B	07/10/2018	17:55	55.1	55.1	mg/kg	

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Sample	Sample ID	Sample Date	Sample Time	Sample	Sample	Sample	Sample
ICP Aluminum	SW 846 6010C	07/23/2018	11:19	2.96	12000	mg/kg	78000
ICP Antimony	SW 846 6010C	07/23/2018	11:19	1.48	ND	mg/kg	
ICP Arsenic	SW 846 6010C	07/23/2018	11:19	1.48	2.06	mg/kg	19
ICP Barium	SW 846 6010C	07/23/2018	11:19	0.593	77.7	mg/kg	16000
ICP Beryllium	SW 846 6010C	07/23/2018	11:19	0.0296	0.442	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018	11:19	0.296	ND	mg/kg	
ICP Calcium	SW 846 6010C	07/23/2018	14:09	29.6	1010	mg/kg	
ICP Chromium	SW 846 6010C	07/23/2018	11:19	0.296	22.4	mg/kg	
ICP Cobalt	SW 846 6010C	07/23/2018	11:19	0.237	2.88	mg/kg	1600
ICP Copper	SW 846 6010C	07/23/2018	11:19	0.296	110	mg/kg	3100
ICP Iron	SW 846 6010C	07/23/2018	13:52	59.3	139000	mg/kg	
ICP Lead	SW 846 6010C	07/23/2018	13:54	1.48	206	mg/kg	400
ICP Magnesium	SW 846 6010C	07/23/2018	11:19	59.3	1960	mg/kg	
ICP Manganese	SW 846 6010C	07/23/2018	13:57	2.96	1030	mg/kg	11000
ICP Nickel	SW 846 6010C	07/23/2018	11:19	0.148	18.6	mg/kg	1600
ICP Potassium	SW 846 6010C	07/23/2018	11:19	119	474	mg/kg	
ICP Selenium	SW 846 6010C	07/23/2018	11:19	1.48	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018	11:19	0.593	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018	11:19	59.3	296	mg/kg	

ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.48	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018 11:19		0.593	9.51	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018 13:51		8.89	2920	mg/kg	23000
Mercury	SW 846 7471B	07/18/2018 13:54		0.0558	0.103	mg/kg	23
Percent Solids	Gravimetric	07/06/2018 10:55			84.4	%	
TPHC (DRO)	SW 846 8015B	07/19/2018 08:18	14.2	59.3	145	mg/kg	
TPHC (GRO)	SW 846 8015B	07/10/2018 17:55	59.3	59.3	ND	mg/kg	

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Test	Method	Date/Time	Unit	Result	Unit	Result	Limit
ICP Aluminum	SW 846 6010C	07/23/2018 11:19		2.81	13800	mg/kg	78000
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.41	ND	mg/kg	
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.41	2.68	mg/kg	19
ICP Barium	SW 846 6010C	07/23/2018 11:19		0.562	131	mg/kg	16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0281	0.515	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.281	ND	mg/kg	
ICP Calcium	SW 846 6010C	07/23/2018 14:09		28.1	1040	mg/kg	
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.281	14.1	mg/kg	
ICP Cobalt	SW 846 6010C	07/23/2018 11:19		0.225	3.85	mg/kg	1600
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.281	41.3	mg/kg	3100
ICP Iron	SW 846 6010C	07/23/2018 13:52		5.62	24100	mg/kg	
ICP Lead	SW 846 6010C	07/23/2018 13:54		1.41	129	mg/kg	400
ICP Magnesium	SW 846 6010C	07/23/2018 11:19		56.2	1910	mg/kg	
ICP Manganese	SW 846 6010C	07/23/2018 11:19		0.281	422	mg/kg	11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.141	14.4	mg/kg	1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19		112	478	mg/kg	
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.41	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.562	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018 11:19		56.2	450	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.41	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018 11:19		0.562	15.5	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018 11:19		0.844	543	mg/kg	23000
Mercury	SW 846 7471B	07/18/2018 13:54		0.0476	0.0816	mg/kg	23
Percent Solids	Gravimetric	07/06/2018 10:55			88.9	%	
TPHC (DRO)	SW 846 8015B	07/19/2018 08:18	13.5	56.2	46.4	mg/kg	
TPHC (GRO)	SW 846 8015B	07/10/2018 17:55	56.2	56.2	ND	mg/kg	

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Test	Method	Date/Time	Unit	Result	Unit	Result	Limit
ICP Aluminum	SW 846 6010C	07/23/2018 11:19		2.98	14000	mg/kg	78000
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.49	4.59	mg/kg	31
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.49	4.68	mg/kg	19
ICP Barium	SW 846 6010C	07/23/2018 13:58		5.96	1880	mg/kg	16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0298	0.462	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.298	6.17	mg/kg	78
ICP Calcium	SW 846 6010C	07/23/2018 14:09		29.8	24900	mg/kg	
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.298	33.4	mg/kg	
ICP Cobalt	SW 846 6010C	07/23/2018 11:19		0.239	4.35	mg/kg	1600
ICP Copper	SW 846 6010C	07/23/2018 11:19		0.298	285	mg/kg	3100
ICP Iron	SW 846 6010C	07/23/2018 13:52		59.6	63500	mg/kg	
ICP Lead	SW 846 6010C	07/23/2018 13:54		14.9	1720	mg/kg	400 *

ICP Magnesium	SW 846 6010C	07/23/2018 11:19		59.6	14600	mg/kg	
ICP Manganese	SW 846 6010C	07/23/2018 11:19		0.298	480	mg/kg	11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.149	36.4	mg/kg	1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19		119	567	mg/kg	
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.49	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.596	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018 11:19		59.6	3280	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.49	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018 11:19		0.596	15.6	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018 13:51		8.95	4470	mg/kg	23000
Mercury	SW 846 7471B	07/18/2018 13:54		0.0532	0.119	mg/kg	23
Percent Solids	Gravimetric	07/06/2018 10:55			83.8	%	
TPHC (DRO)	SW 846 8015B	07/19/2018 09:48	14.3	59.6	ND	mg/kg	
TPHC (GRO)	SW 846 8015B	07/10/2018 17:55	59.6	59.6	ND	mg/kg	

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ICP Aluminum	SW 846 6010C	07/23/2018 13:58		30.8	89900	mg/kg	78000 *
ICP Antimony	SW 846 6010C	07/23/2018 11:19		1.54	ND	mg/kg	
ICP Arsenic	SW 846 6010C	07/23/2018 11:19		1.54	4.16	mg/kg	19
ICP Barium	SW 846 6010C	07/23/2018 11:19		0.616	204	mg/kg	16000
ICP Beryllium	SW 846 6010C	07/23/2018 11:19		0.0308	0.379	mg/kg	16
ICP Cadmium	SW 846 6010C	07/23/2018 11:19		0.308	19.8	mg/kg	78
ICP Calcium	SW 846 6010C	07/23/2018 14:09		30.8	6220	mg/kg	
ICP Chromium	SW 846 6010C	07/23/2018 11:19		0.308	23.7	mg/kg	
ICP Cobalt	SW 846 6010C	07/23/2018 11:19		0.246	5.29	mg/kg	1600
ICP Copper	SW 846 6010C	07/23/2018 13:58		3.08	4860	mg/kg	3100 *
ICP Iron	SW 846 6010C	07/23/2018 13:52		61.6	48000	mg/kg	
ICP Lead	SW 846 6010C	07/23/2018 13:54		1.54	726	mg/kg	400 *
ICP Magnesium	SW 846 6010C	07/23/2018 11:19		61.6	4160	mg/kg	
ICP Manganese	SW 846 6010C	07/23/2018 11:19		0.308	363	mg/kg	11000
ICP Nickel	SW 846 6010C	07/23/2018 11:19		0.154	32.0	mg/kg	1600
ICP Potassium	SW 846 6010C	07/23/2018 11:19		123	646	mg/kg	
ICP Selenium	SW 846 6010C	07/23/2018 11:19		1.54	ND	mg/kg	
ICP Silver	SW 846 6010C	07/23/2018 11:19		0.616	ND	mg/kg	
ICP Sodium	SW 846 6010C	07/23/2018 11:19		61.6	739	mg/kg	
ICP Thallium	SW 846 6010C	07/23/2018 11:19		1.54	ND	mg/kg	
ICP Vanadium	SW 846 6010C	07/23/2018 11:19		0.616	17.7	mg/kg	78
ICP Zinc	SW 846 6010C	07/23/2018 11:19		0.923	625	mg/kg	23000
Mercury	SW 846 7471B	07/18/2018 13:54		0.0615	0.205	mg/kg	23
Percent Solids	Gravimetric	07/06/2018 10:55			81.2	%	
TPHC (DRO)	SW 846 8015B	07/19/2018 08:18	14.8	61.6	ND	mg/kg	
TPHC (GRO)	SW 846 8015B	07/10/2018 17:55	61.6	61.6	ND	mg/kg	

Description

Result Units Limit

x	mg/l	z *
x	mg/l	y-z *

An asterisk (*) and red highlight indicates that the Result exceeded an upper limit or high limit of a range (x>z).

An asterisk with a minus sign (-*) and red highlight indicates that the Result was below a lower limit or the low limit of a range (x<y).

x	mg/l	y *-
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Wastewater results are now being compared to site permit limits provided to APL by our clients. Please contact your client service representative to participate in this program.

Qualifiers

- U Indicates the compound was analyzed for but not detected.
- J Indicates an estimated value. All Tentatively Identified Compounds (TICs) and results below the RL receive this qualifier.
- E Used to identify concentrations exceeding the calibration range of the Instrument.
- D Indicates results from a diluted sample.
- P Indicates a Greater than 25% diff. between 2 GC columns.
- B Used if the analyte is found in the method blank as well as the sample.

Type

- A Indicates an analyte, a target compound included in the calibration.
- T Indicates a tentatively identified compound (TIC). A TIC is a non-targeted compound, not included in the calibration, identified by a mass spectral library search.

Results

Dilution Needed	Indicates that the compound had an E qualifier and needs a Diluted re-analysis. When completed and made available, this result will be replaced by the Diluted Result.
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Other

MDL Method Detection Limit
RL Reporting Limit



AQUA PRO-TECH LABORATORIES
Certified Environmental Testing



ANALYTICAL RESULTS

STANDARD DELIVERABLES FORMAT

APL WORK ORDER NUMBER: 8070171

ERC

Project: 21-23 Wayne

Brian Wood
Laboratory Director

All Results meet the requirements of the National Environmental Laboratory Accreditation Conference and/or
State specific certifications as applicable.



AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

21-23 Wayne
8070171-01 (Soil)

SP-1

Collected
07/03/2018 09:30

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Cyanide	SW 846 9014	07/09/18 10:20	07/09/18 16:00	ND			0.286	mg/kg dry
Percent Solids	Gravimetric	07/05/18 17:45	07/08/18 10:47	87.4				%
Phenols	SW 846 9065	07/17/18 09:00	07/17/18 16:00	ND			5.72	mg/kg dry
Total Metals								
Antimony	SW 846 6010D	07/19/18 12:26	07/22/18 10:41	18.3			1.43	mg/kg dry
Arsenic	SW 846 6010D	07/19/18 12:26	07/22/18 10:41	6.64			1.43	mg/kg dry
Beryllium	SW 846 6010D	07/19/18 12:26	07/22/18 10:41	0.369			0.0286	mg/kg dry
Cadmium	SW 846 6010D	07/19/18 12:26	07/22/18 10:41	22.4			0.286	mg/kg dry
Chromium	SW 846 6010D	07/19/18 12:26	07/22/18 10:41	48.6			0.286	mg/kg dry
Copper	SW 846 6010D	07/19/18 12:26	07/22/18 10:41	694			0.286	mg/kg dry
Lead	SW 846 6010D	07/19/18 12:26	07/23/18 11:30	13600			143	mg/kg dry
Mercury	SW 846 7471B	07/17/18 09:00	07/17/18 12:43	0.239			0.0549	mg/kg dry
Nickel	SW 846 6010D	07/19/18 12:26	07/22/18 10:41	130			0.143	mg/kg dry
Selenium	SW 846 6010D	07/19/18 12:26	07/22/18 10:41	ND			1.43	mg/kg dry
Silver	SW 846 6010D	07/19/18 12:26	07/22/18 10:41	ND			0.572	mg/kg dry
Thallium	SW 846 6010D	07/19/18 12:26	07/22/18 10:41	ND			1.43	mg/kg dry
Zinc	SW 846 6010D	07/19/18 12:26	07/23/18 11:30	14900			85.8	mg/kg dry
BNA+25 Semivolatile Organics - GC/MS								
1,2,4-Trichlorobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0764	0.761	mg/kg dry
1,2-Diphenylhydrazine	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0830	0.761	mg/kg dry
2,4,6-Trichlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0477	0.761	mg/kg dry
2,4-Dichlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0767	0.761	mg/kg dry
2,4-Dimethylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0750	0.761	mg/kg dry
2,4-Dinitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.110	3.82	mg/kg dry
2,4-Dinitrotoluene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0613	0.761	mg/kg dry
2,6-Dinitrotoluene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.162	0.761	mg/kg dry
2-Chloronaphthalene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0676	0.761	mg/kg dry
2-Chlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.101	0.761	mg/kg dry
2-Nitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0847	0.761	mg/kg dry
3,3'-Dichlorobenzidine	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0601	0.761	mg/kg dry
4,6-Dinitro-2-methylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.144	1.91	mg/kg dry
4-Bromophenyl-phenyl ether	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.109	0.761	mg/kg dry
4-Chloro-3-methylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.120	0.761	mg/kg dry
4-Chlorophenyl phenyl ether	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0411	0.761	mg/kg dry
4-Nitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0486	0.761	mg/kg dry

FootNotes

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D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
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Analytical Results Summary

 21-23 Wayne
 8070171-01 (Soil)

SP-1

 Collected
 07/03/2018 09:30

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
Acenaphthene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0434	0.761	mg/kg dry
Acenaphthylene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	0.606	D, J	0.0265	0.761	mg/kg dry
Anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	1.20	D	0.110	0.761	mg/kg dry
Benzidine	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	1.74	1.91	mg/kg dry
Benzo(a)anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	3.59	D	0.0767	0.761	mg/kg dry
Benzo(a)pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	3.35	D	0.133	0.761	mg/kg dry
Benzo(b)fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	5.56	D	0.107	0.761	mg/kg dry
Benzo(g,h,i)perylene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	1.18	D	0.0618	0.761	mg/kg dry
Benzo(k)fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	1.77	D	0.0576	0.761	mg/kg dry
bis(2-chloroethoxy)methane	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.105	0.761	mg/kg dry
bis(2-chloroethyl)ether	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0835	0.761	mg/kg dry
bis(2-chloroisopropyl)ether	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.274	0.761	mg/kg dry
bis(2-ethylhexyl)phthalate	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.152	0.761	mg/kg dry
Butylbenzylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	0.636	D, J	0.0692	0.761	mg/kg dry
Creosote	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	3.60	D	0.0522	0.761	mg/kg dry
Benzo(a,h)anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	0.414	D, J	0.0755	0.761	mg/kg dry
Diethylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.148	0.761	mg/kg dry
Dimethylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0473	0.761	mg/kg dry
Di-n-butylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.311	0.761	mg/kg dry
Di-n-octylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.156	0.761	mg/kg dry
Fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	5.59	D	0.0716	0.761	mg/kg dry
Fluorene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0635	0.761	mg/kg dry
Hexachlorobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0996	0.761	mg/kg dry
Hexachlorobutadiene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.386	0.761	mg/kg dry
Hexachlorocyclopentadiene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.318	1.91	mg/kg dry
Hexachloroethane	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0835	0.761	mg/kg dry
Indeno(1,2,3-cd)pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	1.21	D	0.0618	0.761	mg/kg dry
Isophorone	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0499	0.761	mg/kg dry
Naphthalene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	0.218	D, J	0.0594	0.761	mg/kg dry
Nitrobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.129	0.761	mg/kg dry
n-Nitroso-dimethylamine	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.271	0.761	mg/kg dry
n-Nitroso-di-n-propylamine	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0408	0.761	mg/kg dry
n-Nitrosodiphenylamine	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.183	0.761	mg/kg dry
Pentachlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.105	1.91	mg/kg dry
Phenanthrene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	2.76	D	0.100	0.761	mg/kg dry
Phenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	ND	U	0.0618	0.761	mg/kg dry

FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
 J - Indicates estimated value

 B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation



AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

21-23 Wayne
8070171-01 (Soil)

SP-1

Collected
07/03/2018 09:30

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
Pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	4.70	D	0.0560	0.761	mg/kg dry
BNA+25 Semivolatile Organics - GC/MS TIC								
Anthracene, -methyl-isomer	SW 846 8270D	07/11/18 08:47	07/12/18 01:32	1.81	D, J			mg/kg dry
				TIC Total: 1.81				
Pesticides								
4,4'-DDD	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.000901	0.00149	mg/kg dry
4,4'-DDE	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.00105	0.00149	mg/kg dry
4,4'-DDT	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.000714	0.00149	mg/kg dry
Aldrin	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.000824	0.00149	mg/kg dry
alpha-BHC	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.000576	0.00149	mg/kg dry
beta-BHC	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.00146	0.00149	mg/kg dry
Chlordane	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.000999	0.00149	mg/kg dry
delta-BHC	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.00115	0.00149	mg/kg dry
aldrin	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.000801	0.00149	mg/kg dry
Endosulfan I	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.00103	0.00149	mg/kg dry
Endosulfan II	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.000809	0.00149	mg/kg dry
Endosulfan sulfate	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.000809	0.00149	mg/kg dry
Endrin	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.000763	0.00149	mg/kg dry
Endrin aldehyde	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.000635	0.00149	mg/kg dry
gamma-BHC (Lindane)	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.000680	0.00149	mg/kg dry
Heptachlor	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.000870	0.00149	mg/kg dry
Heptachlor Epoxide	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.000930	0.00149	mg/kg dry
Methoxychlor	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.000847	0.00149	mg/kg dry
Toxaphene	SW 846 8081B	07/12/18 09:00	07/13/18 23:22	ND	U	0.0231	0.0755	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082A	07/12/18 08:54	07/13/18 19:37	ND	U	0.000673	0.0378	mg/kg dry
Aroclor-1221	SW 846 8082A	07/12/18 08:54	07/13/18 19:37	ND	U	0.00116	0.0378	mg/kg dry
Aroclor-1232	SW 846 8082A	07/12/18 08:54	07/13/18 19:37	ND	U	0.000889	0.0378	mg/kg dry
Aroclor-1242	SW 846 8082A	07/12/18 08:54	07/13/18 19:37	ND	U	0.00128	0.0378	mg/kg dry
Aroclor-1248	SW 846 8082A	07/12/18 08:54	07/13/18 19:37	ND	U	0.000886	0.0378	mg/kg dry
Aroclor-1254	SW 846 8082A	07/12/18 08:54	07/13/18 19:37	ND	U	0.00135	0.0378	mg/kg dry
Aroclor-1260	SW 846 8082A	07/12/18 08:54	07/13/18 19:37	1.08		0.000996	0.0378	mg/kg dry
Total PCBs	SW 846 8082A	07/12/18 08:54	07/13/18 19:37	1.08		0.000673	0.0378	mg/kg dry

FootNotes

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D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-01 (Soil)

SP-1

 Collected
 07/03/2018 09:30

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
VO+15 Volatile Organics - GC/MS								
1,1,1-Trichloroethane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000334	0.00229	mg/kg dry
1,1,2,2-Tetrachloroethane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000316	0.00229	mg/kg dry
1,1,2-Trichloroethane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000386	0.00229	mg/kg dry
1,1-Dichloroethane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000334	0.00229	mg/kg dry
1,1-Dichloroethane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000423	0.00229	mg/kg dry
1,2-Dichlorobenzene	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000404	0.00228	mg/kg dry
1,2-Dichloroethane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000323	0.00229	mg/kg dry
1,2-Dichloropropane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000375	0.00229	mg/kg dry
1,3-Dichlorobenzene	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000168	0.00229	mg/kg dry
1,4-Dichlorobenzene	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000330	0.00229	mg/kg dry
2-Chloroethyl Vinyl Ether	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000464	0.00229	mg/kg dry
Azobenzene	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.00124	0.00229	mg/kg dry
Acrylonitrile	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000534	0.00229	mg/kg dry
Benzene	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000298	0.00229	mg/kg dry
Bromodichloromethane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000287	0.00229	mg/kg dry
Bromoform	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000402	0.00229	mg/kg dry
Bromomethane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000680	0.00229	mg/kg dry
Carbon Tetrachloride	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000344	0.00229	mg/kg dry
Chlorobenzene	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000332	0.00229	mg/kg dry
Chloroethane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000380	0.00229	mg/kg dry
Chloroform	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000385	0.00229	mg/kg dry
Chloromethane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000881	0.00229	mg/kg dry
cis-1,2-Dichloroethene	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000111	0.00229	mg/kg dry
cis-1,3-Dichloropropene	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000290	0.00229	mg/kg dry
Dibromodichloromethane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000282	0.00229	mg/kg dry
Dichlorodifluoromethane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000773	0.00229	mg/kg dry
Ethylbenzene	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000310	0.00229	mg/kg dry
Methylene Chloride	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000688	0.00229	mg/kg dry
Tetrachloroethene	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000227	0.00229	mg/kg dry
Toluene	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000184	0.00229	mg/kg dry
Total Xylenes	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000294	0.00229	mg/kg dry
trans-1,2-Dichloroethene	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000310	0.00229	mg/kg dry
trans-1,3-Dichloropropene	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000437	0.00228	mg/kg dry
Trichloroethane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000338	0.00229	mg/kg dry
Trichlorofluoromethane	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000263	0.00229	mg/kg dry

Footnotes

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Analytical Results Summary

 21-23 Wayne
 8070171-01 (Soil)

SP-1

 Collected
 07/03/2018 09:30

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
VO+15 Volatile Organics - GC/MS								
Vinyl chloride	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	ND	U	0.000435	0.00229	mg/kg dry
VO+15 Volatile Organics - GC/MS TIC								
Naphthalene, 1,3-dimethyl-	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	0.00637	J			mg/kg dry
Naphthalene, 1,5-dimethyl-	SW 846 8260C	07/11/18 15:37	07/11/18 15:37	0.00688	J			mg/kg dry
				TIC Total: 0.0133				

FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
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 B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-02 (Soil)
 SP-2

 Collected
 07/03/2018 09:50

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Cyanide	SW 846 9014	07/16/18 10:40	07/16/18 14:00	ND			0.268	mg/kg dry
Percent Solids	Gravimetric	07/05/18 17:45	07/06/18 10:47	88.8				%
Phenols	SW 846 9085	07/17/18 09:00	07/17/18 16:00	ND			5.76	mg/kg dry
Total Metals								
Antimony	SW 846 6010D	07/19/18 12:28	07/22/18 10:44	11.2			1.44	mg/kg dry
Arsenic	SW 846 6010D	07/19/18 12:26	07/22/18 10:44	6.13			1.44	mg/kg dry
Beryllium	SW 846 6010D	07/19/18 12:25	07/22/18 10:44	0.403			0.0288	mg/kg dry
Cadmium	SW 846 6010D	07/19/18 12:28	07/22/18 10:44	28.4			0.288	mg/kg dry
Chromium	SW 846 6010D	07/19/18 12:26	07/22/18 10:44	57.6			0.288	mg/kg dry
Copper	SW 846 6010D	07/19/18 12:28	07/22/18 10:44	743			0.288	mg/kg dry
Lead	SW 846 6010D	07/19/18 12:26	07/23/18 11:33	14800			144	mg/kg dry
Mercury	SW 846 7471B	07/17/18 09:00	07/17/18 12:46	0.289			0.0564	mg/kg dry
Nickel	SW 846 6010D	07/19/18 12:26	07/22/18 10:44	191			0.144	mg/kg dry
Selenium	SW 846 6010D	07/19/18 12:26	07/22/18 10:44	ND			1.44	mg/kg dry
Silver	SW 846 6010D	07/19/18 12:26	07/22/18 10:44	ND			0.576	mg/kg dry
Thallium	SW 846 6010D	07/19/18 12:26	07/22/18 10:44	ND			1.44	mg/kg dry
Zinc	SW 846 6010D	07/19/18 12:26	07/23/18 11:33	13200			88.4	mg/kg dry
BNA+25 Semivolatile Organics - GC/MS								
1,2,4-Trichlorobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0789	0.768	mg/kg dry
1,2-Diphenylhydrazine	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0835	0.768	mg/kg dry
2,4,6-Trichlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0480	0.768	mg/kg dry
2,4-Dichlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0771	0.768	mg/kg dry
2,4-Dimethylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0754	0.768	mg/kg dry
2,4-Dinitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.111	3.84	mg/kg dry
2,4-Dinitrotoluene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0818	0.768	mg/kg dry
2,6-Dinitrotoluene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.183	0.768	mg/kg dry
2-Chloronaphthalene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0881	0.768	mg/kg dry
2-Chlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.101	0.768	mg/kg dry
2-Nitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0852	0.768	mg/kg dry
3,3'-Dichlorobenzidine	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0806	0.768	mg/kg dry
4,6-Dinitro-2-methylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.145	1.92	mg/kg dry
4-Bromophenyl-phenyl ether	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.109	0.768	mg/kg dry
4-Chloro-3-methylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.121	0.768	mg/kg dry
4-Chlorophenyl phenyl ether	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0414	0.768	mg/kg dry
4-Nitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0491	0.768	mg/kg dry

Footnotes

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Analytical Results Summary

 21-23 Wayne
 8070171-02 (Soil)
 SP-2

 Collected
 07/03/2018 09:50

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
Acenaphthene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0437	0.766	mg/kg dry
Acenaphthylene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	0.691	D, J	0.0267	0.766	mg/kg dry
Anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	1.09	D	0.111	0.766	mg/kg dry
Benzidine	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	1.75	1.92	mg/kg dry
Benzo(a)anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	2.12	D	0.0771	0.766	mg/kg dry
Benzo(a)pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	2.22	D	0.134	0.766	mg/kg dry
Benzo(b)fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	3.70	D	0.108	0.766	mg/kg dry
Benzo(g,h,i)perylene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	1.04	D	0.0622	0.766	mg/kg dry
Benzo(k)fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	1.21	D	0.0881	0.766	mg/kg dry
bis(2-chloroethoxy)methane	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.106	0.766	mg/kg dry
bis(2-chloroethoxy)ether	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0841	0.766	mg/kg dry
bis(2-chloroisopropoxy)ether	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.276	0.766	mg/kg dry
bis(2-ethoxy)phthalate	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	1.46	D	0.153	0.766	mg/kg dry
Butylbenzylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	1.37	D	0.0697	0.766	mg/kg dry
Chrysene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	2.31	D	0.0525	0.766	mg/kg dry
Fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	0.320	D, J	0.0760	0.766	mg/kg dry
Diethylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.149	0.766	mg/kg dry
Dimethylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	0.194	J, D	0.0476	0.766	mg/kg dry
Di-n-butylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	0.659	D, J	0.313	0.766	mg/kg dry
Di-n-octylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.157	0.766	mg/kg dry
Fluorene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	4.27	D	0.0720	0.766	mg/kg dry
Fluorene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0639	0.766	mg/kg dry
Hexachlorobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.100	0.766	mg/kg dry
Hexachlorobutadiene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.368	0.766	mg/kg dry
Hexachlorocyclopentadiene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.320	1.92	mg/kg dry
Hexachloroethane	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0841	0.766	mg/kg dry
Indeno(1,2,3-cd)pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	0.991	D	0.0823	0.766	mg/kg dry
Isophorone	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0502	0.766	mg/kg dry
Naphthalene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	0.274	J, D	0.0566	0.766	mg/kg dry
Nitrobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.130	0.766	mg/kg dry
n-Nitroso-dimethylamine	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.273	0.766	mg/kg dry
n-Nitroso-di-n-propylamine	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0410	0.766	mg/kg dry
n-Nitrosodiphenylamine	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.164	0.766	mg/kg dry
Pentachlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.105	1.92	mg/kg dry
Phenanthrene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	2.57	D	0.101	0.766	mg/kg dry
Phenol	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	ND	U	0.0522	0.766	mg/kg dry

FootNotes

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AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

21-23 Wayne
8070171-02 (Soil)

SP-2

Collected
07/03/2018 09:50

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
Pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	3.48	D	0.0584	0.768	mg/kg dry
BNA+25 Semivolatile Organics - GC/MS TIC								
Cyclohexasiloxane, dodecamethyl-isomer	SW 846 8270D	07/11/18 08:47	07/12/18 01:58	1.62	D, J			mg/kg dry
				TIC Total: 1.62				
Pesticides								
4,4'-DDD	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.000906	0.00150	mg/kg dry
4,4'-DDE	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.00106	0.00150	mg/kg dry
4,4'-DDT	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.000718	0.00150	mg/kg dry
Aldrin	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.000829	0.00150	mg/kg dry
alpha-BHC	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.000579	0.00150	mg/kg dry
beta-BHC	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.00147	0.00150	mg/kg dry
Chlordane	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.00101	0.00150	mg/kg dry
gamma-BHC	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.00116	0.00150	mg/kg dry
Endosulfan I	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.000806	0.00150	mg/kg dry
Endosulfan II	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.00104	0.00150	mg/kg dry
Endosulfan sulfate	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.000814	0.00150	mg/kg dry
Endrin	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.000768	0.00150	mg/kg dry
Endrin aldehyde	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.000639	0.00150	mg/kg dry
gamma-BHC (Lindane)	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.000684	0.00150	mg/kg dry
Heptachlor	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.000875	0.00150	mg/kg dry
Heptachlor Epoxide	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.000936	0.00150	mg/kg dry
Methoxychlor	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.000952	0.00150	mg/kg dry
Toxaphene	SW 846 8081B	07/12/18 09:00	07/13/18 23:45	ND	U	0.0233	0.0760	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082A	07/12/18 08:54	07/13/18 20:03	ND	U	0.000677	0.0380	mg/kg dry
Aroclor-1221	SW 846 8082A	07/12/18 08:54	07/13/18 20:03	ND	U	0.00117	0.0380	mg/kg dry
Aroclor-1232	SW 846 8082A	07/12/18 08:54	07/13/18 20:03	ND	U	0.000895	0.0380	mg/kg dry
Aroclor-1242	SW 846 8082A	07/12/18 08:54	07/13/18 20:03	ND	U	0.00129	0.0380	mg/kg dry
Aroclor-1248	SW 846 8082A	07/12/18 08:54	07/13/18 20:03	ND	U	0.000891	0.0380	mg/kg dry
Aroclor-1254	SW 846 8082A	07/12/18 08:54	07/13/18 20:03	ND	U	0.00138	0.0380	mg/kg dry
Aroclor-1260	SW 846 8082A	07/12/18 08:54	07/13/18 20:03	1.48		0.00100	0.0380	mg/kg dry
Total PCBs	SW 846 8082A	07/12/18 08:54	07/13/18 20:03	1.48		0.000677	0.0380	mg/kg dry

FootNotes

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Analytical Results Summary

 21-23 Wayne
 8070171-02 (Soil)

SP-2

 Collected
 07/03/2018 09:50

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
VO+15 Volatile Organics - GC/MS								
1,1,1-Trichloroethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000336	0.00230	mg/kg dry
1,1,2,2-Tetrachloroethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000318	0.00230	mg/kg dry
1,1,2-Trichloroethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000368	0.00230	mg/kg dry
1,1-Dichloroethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000338	0.00230	mg/kg dry
1,1-Dichloroethene	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000426	0.00230	mg/kg dry
1,2-Dichlorobenzene	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000406	0.00230	mg/kg dry
1,2-Dichloroethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000325	0.00230	mg/kg dry
1,2-Dichloropropane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000378	0.00230	mg/kg dry
1,3-Dichlorobenzene	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000169	0.00230	mg/kg dry
1,4-Dichlorobenzene	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000332	0.00230	mg/kg dry
2-Chloroethylvinyl Ether	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000497	0.00230	mg/kg dry
Acrolein	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.00124	0.00230	mg/kg dry
Acrylonitrile	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000538	0.00230	mg/kg dry
Benzene	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000210	0.00230	mg/kg dry
Bromodichloromethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000289	0.00230	mg/kg dry
Bromoform	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000404	0.00230	mg/kg dry
Bromomethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000684	0.00230	mg/kg dry
Carbon Tetrachloride	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000347	0.00230	mg/kg dry
Chlorobenzene	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000334	0.00230	mg/kg dry
Chloroethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000393	0.00230	mg/kg dry
Chloroform	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000387	0.00230	mg/kg dry
Chloromethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000687	0.00230	mg/kg dry
cis-1,2-Dichloroethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000111	0.00230	mg/kg dry
cis-1,3-Dichloropropene	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000291	0.00230	mg/kg dry
Dibromochloromethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000283	0.00230	mg/kg dry
Dichlorodifluoromethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000777	0.00230	mg/kg dry
Ethylbenzene	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000312	0.00230	mg/kg dry
Methylene Chloride	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000692	0.00230	mg/kg dry
Tetrachloroethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000228	0.00230	mg/kg dry
Toluene	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000185	0.00230	mg/kg dry
Total Xylenes	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000296	0.00230	mg/kg dry
trans-1,2-Dichloroethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000312	0.00230	mg/kg dry
trans-1,3-Dichloropropene	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000440	0.00230	mg/kg dry
Trichloroethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000339	0.00230	mg/kg dry
Trichlorofluoromethane	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000285	0.00230	mg/kg dry

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AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

21-23 Wayne
8070171-02 (Soil)

SP-2

Collected
07/03/2018 09:50

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
VC+15 Volatile Organics - GC/MS								
Vinyl chloride	SW 846 8260C	07/11/18 16:05	07/11/18 16:05	ND	U	0.000438	0.00230	mg/kg dry

FootNotes

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D - Indicates result is based on a dilution
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H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-03 (Soil)

SP-3

 Collected
 07/03/2018 10:10

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Cyanide	SW 846 9014	07/16/18 10:40	07/16/18 14:00	ND			0.280	mg/kg dry
Percent Solids	Gravimetric	07/05/18 17:45	07/08/18 10:47	89.3				%
Phenols	SW 846 9065	07/17/18 09:00	07/17/18 16:00	ND			5.60	mg/kg dry
Total Metals								
Antimony	SW 846 8010D	07/19/18 12:26	07/22/18 10:47	1.63			1.40	mg/kg dry
Arsenic	SW 846 8010D	07/19/18 12:26	07/22/18 10:47	2.26			1.40	mg/kg dry
Beryllium	SW 846 8010D	07/19/18 12:26	07/22/18 10:47	0.392			0.0280	mg/kg dry
Cadmium	SW 846 8010D	07/19/18 12:26	07/22/18 10:47	5.24			0.290	mg/kg dry
Chromium	SW 846 8010D	07/19/18 12:26	07/22/18 10:47	20.0			0.280	mg/kg dry
Copper	SW 846 8010D	07/19/18 12:26	07/22/18 10:47	164			0.280	mg/kg dry
Lead	SW 846 8010D	07/19/18 12:26	07/23/18 10:46	2400			14.0	mg/kg dry
Mercury	SW 846 7471B	07/17/18 09:00	07/17/18 12:59	0.0671			0.0518	mg/kg dry
Nickel	SW 846 8010D	07/19/18 12:26	07/22/18 10:47	46.8			0.140	mg/kg dry
Selenium	SW 846 8010D	07/19/18 12:26	07/22/18 10:47	ND			1.40	mg/kg dry
Silver	SW 846 8010D	07/19/18 12:26	07/22/18 10:47	ND			0.560	mg/kg dry
Thallium	SW 846 8010D	07/19/18 12:26	07/22/18 10:47	ND			1.40	mg/kg dry
Zinc	SW 846 8010D	07/19/18 12:26	07/23/18 10:46	2800			8.40	mg/kg dry
BNA+25 Semivolatile Organics - GC/MS								
1,2,4-Trichlorobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0307	0.298	mg/kg dry
1,2-Diphenylhydrazine	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0325	0.298	mg/kg dry
2,4,6-Trichlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0187	0.298	mg/kg dry
2,4-Dichlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0300	0.298	mg/kg dry
2,4-Dimethylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0294	0.298	mg/kg dry
2,4-Dinitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0430	1.40	mg/kg dry
2,4-Dinitrotoluene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0318	0.298	mg/kg dry
2,6-Dinitrotoluene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0712	0.298	mg/kg dry
2-Chloronaphthalene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0343	0.298	mg/kg dry
2-Chlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0394	0.298	mg/kg dry
2-Nitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0332	0.298	mg/kg dry
3,3'-Dichlorobenzidine	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0314	0.298	mg/kg dry
4,6-Dinitro-2-methylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0582	0.748	mg/kg dry
4-Bromophenyl-phenyl ether	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0426	0.298	mg/kg dry
4-Chloro-3-methylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0471	0.298	mg/kg dry
4-Chlorophenyl phenyl ether	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0181	0.298	mg/kg dry
4-Nitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0191	0.298	mg/kg dry

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Analytical Results Summary

 21-23 Wayne
 8070171-03 (Soil)

SP-3

 Collected
 07/03/2018 10:10

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
Acenaphthene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	0.107	J, D	0.0170	0.298	mg/kg dry
Acenaphthylene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	0.174	J, D	0.0104	0.298	mg/kg dry
Anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	0.474	D	0.0432	0.298	mg/kg dry
Benzidine	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.682	0.746	mg/kg dry
Benzo(a)anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	0.960	D	0.0300	0.298	mg/kg dry
Benzo(a)pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	1.03	D	0.0520	0.298	mg/kg dry
Benzo(b)fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	1.46	D	0.0419	0.298	mg/kg dry
Benzo(g,h,i)perylene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	0.448	D	0.0242	0.298	mg/kg dry
Benzo(k)fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	0.596	D	0.0343	0.298	mg/kg dry
bis(2-chloroethoxy)methane	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0412	0.298	mg/kg dry
bis(2-chloroethyl)ether	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0327	0.298	mg/kg dry
bis(2-chloroisopropyl)ether	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.107	0.298	mg/kg dry
bis(2-ethylhexyl)phthalate	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	1.08	D	0.0596	0.298	mg/kg dry
Butylbenzylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	1.57	D	0.0271	0.298	mg/kg dry
rysene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	0.953	D	0.0204	0.298	mg/kg dry
Benzo(a,h)anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	0.129	J, D	0.0296	0.298	mg/kg dry
Diethylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0576	0.298	mg/kg dry
Dimethylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0185	0.298	mg/kg dry
Di-n-butylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	0.183	J, D	0.122	0.298	mg/kg dry
Di-n-octylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0612	0.298	mg/kg dry
Fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	2.16	D	0.0280	0.298	mg/kg dry
Fluorene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	0.224	J, D	0.0240	0.298	mg/kg dry
Hexachlorobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0390	0.298	mg/kg dry
Hexachlorobutadiene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.143	0.298	mg/kg dry
Hexachlorocyclopentadiene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.124	0.746	mg/kg dry
Hexachloroethane	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0327	0.298	mg/kg dry
Indeno(1,2,3-cd)pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	0.424	D	0.0329	0.298	mg/kg dry
Isophorone	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0195	0.298	mg/kg dry
Naphthalene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0221	0.298	mg/kg dry
Nitrobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0506	0.298	mg/kg dry
n-Nitroso-dimethylamine	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.106	0.298	mg/kg dry
n-Nitroso-di-n-propylamine	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0160	0.298	mg/kg dry
n-Nitrosodiphenylamine	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0536	0.298	mg/kg dry
Pentachlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0410	0.746	mg/kg dry
Phenanthrene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	1.71	D	0.0352	0.298	mg/kg dry
Phenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	ND	U	0.0242	0.298	mg/kg dry

FootNotes

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Analytical Results Summary

 21-23 Wayne
 8070171-03 (Soil)

SP-3

 Collected
 07/03/2018 10:10

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
Pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	1.65	D	0.0219	0.298	mg/kg dry
BNA+25 Semivolatile Organics - GC/MS TIC								
1,2-Benzenedicarboxylic acid, -isomer- (01)	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	1.38	J, D			mg/kg dry
1,2-Benzenedicarboxylic acid, -isomer- (02)	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	1.18	J, D			mg/kg dry
Ethanol, -butoxy-isomer	SW 846 8270D	07/11/18 08:47	07/12/18 02:24	1.09	J, D			mg/kg dry
				TIC Total: 3.65				
Pesticides								
4,4'-DDD	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.000882	0.00146	mg/kg dry
4,4'-DDE	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.00103	0.00146	mg/kg dry
4,4'-DDT	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.000699	0.00146	mg/kg dry
Aldrin	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.000904	0.00146	mg/kg dry
alpha-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.000583	0.00146	mg/kg dry
gamma-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.00143	0.00146	mg/kg dry
Chlordane	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	0.0145		0.000978	0.00146	mg/kg dry
delta-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.00113	0.00146	mg/kg dry
Dieldrin	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.000784	0.00146	mg/kg dry
Endosulfen I	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.00101	0.00146	mg/kg dry
Endosulfen II	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.000792	0.00146	mg/kg dry
Endosulfen sulfate	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.000792	0.00146	mg/kg dry
Endrin	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.000747	0.00146	mg/kg dry
Endrin aldehyde	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.000822	0.00146	mg/kg dry
gamma-BHC (Lindane)	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.000885	0.00146	mg/kg dry
Heptachlor	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.000851	0.00146	mg/kg dry
Heptachlor Epoxide	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.000911	0.00146	mg/kg dry
Methoxychlor	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.000826	0.00146	mg/kg dry
Toxaphene	SW 846 8081B	07/12/18 09:00	07/14/18 00:09	ND	U	0.0225	0.0739	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082A	07/12/18 08:54	07/13/18 20:28	ND	U	0.000659	0.0370	mg/kg dry
Aroclor-1221	SW 846 8082A	07/12/18 08:54	07/13/18 20:28	ND	U	0.00114	0.0370	mg/kg dry
Aroclor-1232	SW 846 8082A	07/12/18 08:54	07/13/18 20:28	ND	U	0.000670	0.0370	mg/kg dry
Aroclor-1242	SW 846 8082A	07/12/18 08:54	07/13/18 20:28	ND	U	0.00125	0.0370	mg/kg dry
Aroclor-1248	SW 846 8082A	07/12/18 08:54	07/13/18 20:28	ND	U	0.000857	0.0370	mg/kg dry
Aroclor-1254	SW 846 8082A	07/12/18 08:54	07/13/18 20:28	ND	U	0.00132	0.0370	mg/kg dry

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Analytical Results Summary

 21-23 Wayne
 8070171-03 (Soil)

SP-3

 Collected
 07/03/2018 10:10

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
PCBs								
Aroclor-1260	SW 846 8082A	07/12/18 08:54	07/13/18 20:28	0.337		0.000975	0.0370	mg/kg dry
Total PCBs	SW 846 8082A	07/12/18 08:54	07/13/18 20:28	0.337		0.000658	0.0370	mg/kg dry
VO+15 Volatile Organics - GC/MS								
1,1,1-Trichloroethene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000327	0.00224	mg/kg dry
1,1,2,2-Tetrachloroethene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000309	0.00224	mg/kg dry
1,1,2-Trichloroethane	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000378	0.00224	mg/kg dry
1,1-Dichloroethane	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000327	0.00224	mg/kg dry
1,1-Dichloroethene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000414	0.00224	mg/kg dry
1,2-Dichlorobenzene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000395	0.00224	mg/kg dry
1,2-Dichloroethane	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000316	0.00224	mg/kg dry
1,2-Dichloropropane	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000397	0.00224	mg/kg dry
1,3-Dichlorobenzene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000165	0.00224	mg/kg dry
1,4-Dichlorobenzene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000323	0.00224	mg/kg dry
Chloroethylvinyl Ether	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000484	0.00224	mg/kg dry
Acrolein	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.00121	0.00224	mg/kg dry
Acrylonitrile	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000523	0.00224	mg/kg dry
Benzene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000204	0.00224	mg/kg dry
Bromodichloromethane	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000281	0.00224	mg/kg dry
Bromoform	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000393	0.00224	mg/kg dry
Bromomethane	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000646	0.00224	mg/kg dry
Carbon Tetrachloride	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000337	0.00224	mg/kg dry
Chlorobenzene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000325	0.00224	mg/kg dry
Chloroethane	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000382	0.00224	mg/kg dry
Chloroform	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000376	0.00224	mg/kg dry
Chloromethane	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000863	0.00224	mg/kg dry
cis-1,2-Dichloroethene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000108	0.00224	mg/kg dry
cis-1,3-Dichloropropene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000283	0.00224	mg/kg dry
Dibromochloromethane	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000276	0.00224	mg/kg dry
Dichlorodifluoromethane	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000756	0.00224	mg/kg dry
Ethylbenzene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000304	0.00224	mg/kg dry
Methylene Chloride	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000673	0.00224	mg/kg dry
Tetrachloroethene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000222	0.00224	mg/kg dry
Toluene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000180	0.00224	mg/kg dry
Total Xylenes	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000268	0.00224	mg/kg dry
trans-1,2-Dichloroethene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000304	0.00224	mg/kg dry

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AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

21-23 Wayne
8070171-03 (Soil)

SP-3

Collected
07/03/2018 10:10

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
VO+15 Volatile Organics - GC/MS								
trans-1,3-Dichloropropene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000428	0.00224	mg/kg dry
Trichloroethene	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000329	0.00224	mg/kg dry
Trichlorofluoromethane	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000258	0.00224	mg/kg dry
Vinyl chloride	SW 846 8260C	07/11/18 16:34	07/11/18 16:34	ND	U	0.000428	0.00224	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

Analytical Results Summary

21-23 Wayne
8070171-04 (Soil)

SP-4

Collected
07/03/2018 10:25Received
07/05/2018 16:45Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Cyanide	SW 846 9014	07/13/18 10:30	07/13/18 15:00	ND			0.273	mg/kg dry
Percent Solids	Gravimetric	07/05/18 17:45	07/08/18 10:47	91.5				%
Phenols	SW 846 9066	07/17/18 09:00	07/17/18 16:00	ND			5.47	mg/kg dry
Total Metals								
Antimony	SW 846 6010D	07/19/18 12:26	07/22/18 10:50	2.38			1.37	mg/kg dry
Arsenic	SW 846 6010D	07/19/18 12:26	07/22/18 10:50	4.59			1.37	mg/kg dry
Beryllium	SW 846 6010D	07/19/18 12:26	07/22/18 10:50	0.355			0.0273	mg/kg dry
Cadmium	SW 846 6010D	07/19/18 12:26	07/22/18 10:50	10.4			0.273	mg/kg dry
Chromium	SW 846 6010D	07/19/18 12:26	07/22/18 10:50	29.2			0.273	mg/kg dry
Copper	SW 846 6010D	07/19/18 12:26	07/22/18 10:50	361			0.273	mg/kg dry
Lead	SW 846 6010D	07/19/18 12:26	07/23/18 10:48	2900			13.7	mg/kg dry
Mercury	SW 846 7471B	07/17/18 09:00	07/17/18 13:02	0.240			0.0515	mg/kg dry
Nickel	SW 846 6010D	07/19/18 12:26	07/22/18 10:50	88.8			0.137	mg/kg dry
Selenium	SW 846 6010D	07/19/18 12:26	07/22/18 10:50	ND			1.37	mg/kg dry
Silver	SW 846 6010D	07/19/18 12:26	07/22/18 10:50	ND			0.547	mg/kg dry
Thallium	SW 846 6010D	07/19/18 12:26	07/22/18 10:50	ND			1.37	mg/kg dry
Zinc	SW 846 6010D	07/19/18 12:26	07/23/18 10:48	4480			8.20	mg/kg dry
BNA+25 Semivolatile Organics - GC/MS								
1,2,4-Trichlorobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0749	0.727	mg/kg dry
1,2-Diphenylhydrazine	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0792	0.727	mg/kg dry
2,4,6-Trichlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0455	0.727	mg/kg dry
2,4-Dichlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0732	0.727	mg/kg dry
2,4-Dimethylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0716	0.727	mg/kg dry
2,4-Dinitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.105	3.65	mg/kg dry
2,4-Dinitrotoluene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0776	0.727	mg/kg dry
2,6-Dinitrotoluene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.174	0.727	mg/kg dry
2-Chloronaphthalene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0836	0.727	mg/kg dry
2-Chlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0962	0.727	mg/kg dry
2-Nitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0809	0.727	mg/kg dry
3,3'-Dichlorobenzidine	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0765	0.727	mg/kg dry
4,6-Dinitro-2-methylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.137	1.82	mg/kg dry
4-Bromophenyl-phenyl ether	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.104	0.727	mg/kg dry
4-Chloro-3-methylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.115	0.727	mg/kg dry
4-Chlorophenyl phenyl ether	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0393	0.727	mg/kg dry
4-Nitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0466	0.727	mg/kg dry

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Analytical Results Summary

21-23 Wayne

8070171-04 (Soil)

SP-4

Collected
07/03/2018 10:25Received
07/05/2018 16:45Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
Acenaphthene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0415	0.727	mg/kg dry
Acenaphthylene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	0.536	J, D	0.0253	0.727	mg/kg dry
Anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	0.963	D	0.105	0.727	mg/kg dry
Benzidine	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	1.65	1.82	mg/kg dry
Benzo(a)anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	2.46	D	0.0732	0.727	mg/kg dry
Benzo(a)pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	3.04	D	0.127	0.727	mg/kg dry
Benzo(b)fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	5.23	D	0.102	0.727	mg/kg dry
Benzo(g,h,i)perylene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	1.43	D	0.0590	0.727	mg/kg dry
Benzo(k)fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	1.85	D	0.0836	0.727	mg/kg dry
bis(2-chloroethoxy)methane	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.101	0.727	mg/kg dry
bis(2-chloroethyl)ether	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0795	0.727	mg/kg dry
bis(2-chloroisopropyl)ether	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.262	0.727	mg/kg dry
bis(2-ethylhexyl)phthalate	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	1.23	D	0.145	0.727	mg/kg dry
Butylbenzylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	2.59	D	0.0661	0.727	mg/kg dry
Chrysene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	2.83	D	0.0498	0.727	mg/kg dry
Di-benzo(a,h)anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	0.450	J, D	0.0721	0.727	mg/kg dry
Diethylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.141	0.727	mg/kg dry
Dimethylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0451	0.727	mg/kg dry
Di-n-butylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	0.799	D	0.297	0.727	mg/kg dry
Di-n-octylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.149	0.727	mg/kg dry
Fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	5.66	D	0.0683	0.727	mg/kg dry
Fluorene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0627	0.727	mg/kg dry
Hexachlorobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0951	0.727	mg/kg dry
Hexachlorobutadiene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.349	0.727	mg/kg dry
Hexachlorocyclopentadiene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.303	1.82	mg/kg dry
Hexachloroethane	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0798	0.727	mg/kg dry
Indeno(1,2,3-cd)pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	1.43	D	0.0782	0.727	mg/kg dry
Isophorone	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0477	0.727	mg/kg dry
Naphthalene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0539	0.727	mg/kg dry
Nitrobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.124	0.727	mg/kg dry
n-Nitroso-dimethylamine	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.259	0.727	mg/kg dry
n-Nitroso-di-n-propylamine	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0390	0.727	mg/kg dry
n-Nitrosodiphenylamine	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.155	0.727	mg/kg dry
Pentachlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.100	1.82	mg/kg dry
Phenanthrene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	2.44	D	0.0956	0.727	mg/kg dry
Phenol	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	ND	U	0.0590	0.727	mg/kg dry

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Analytical Results Summary

21-23 Wayne
8070171-04 (Soil)

SP-4

Collected
07/03/2018 10:25Received
07/05/2018 16:45Contact
Rich Uberti

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
Pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	4.23	D	0.0535	0.727	mg/kg dry
BNA+25 Semivolatile Organics - GC/MS TIC								
Benz[e]acephenanthrylene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	2.27	J, D			mg/kg dry
				TIC Total: 2.27				
Pesticides								
4,4'-DDD	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000860	0.00142	mg/kg dry
4,4'-DDE	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.00101	0.00142	mg/kg dry
4,4'-DDT	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000882	0.00142	mg/kg dry
Aldrin	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000882	0.00142	mg/kg dry
alpha-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000550	0.00142	mg/kg dry
beta-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.00140	0.00142	mg/kg dry
Chlordane	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	0.0373		0.00103	0.00142	mg/kg dry
delta-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.00110	0.00142	mg/kg dry
aldrin	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000785	0.00142	mg/kg dry
Endosulfan I	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000984	0.00142	mg/kg dry
Endosulfan II	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000773	0.00142	mg/kg dry
Endosulfan sulfate	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000773	0.00142	mg/kg dry
Endrin	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000729	0.00142	mg/kg dry
Endrin aldehyde	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000607	0.00142	mg/kg dry
gamma-BHC (Lindane)	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000549	0.00142	mg/kg dry
Heptachlor	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000831	0.00142	mg/kg dry
Heptachlor Epoxide	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000889	0.00142	mg/kg dry
Methoxychlor	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000904	0.00142	mg/kg dry
Toxaphene	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.0221	0.0721	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	ND	U	0.000643	0.0361	mg/kg dry
Aroclor-1221	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	ND	U	0.00111	0.0361	mg/kg dry
Aroclor-1232	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	ND	U	0.000849	0.0361	mg/kg dry
Aroclor-1242	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	ND	U	0.00122	0.0361	mg/kg dry
Aroclor-1248	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	ND	U	0.000846	0.0361	mg/kg dry
Aroclor-1254	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	ND	U	0.00129	0.0361	mg/kg dry
Aroclor-1260	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	1.21		0.00137	0.0361	mg/kg dry
Total PCBs	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	1.21		0.000643	0.0361	mg/kg dry

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Analytical Results Summary

 21-23 Wayne
 8070171-04 (Soil)

SP-4

 Collected
 07/03/2018 10:25

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
Pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	4.23	D	0.0535	0.727	mg/kg dry
BNA+25 Semivolatile Organics - GC/MS TIC								
Benz[a]acephenanthrylene	SW 846 8270D	07/11/18 08:47	07/12/18 02:50	2.27	J, D			mg/kg dry
				TIC Total: 2.27				
Pesticides								
4,4'-DDD	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000880	0.00142	mg/kg dry
4,4'-DDE	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.00101	0.00142	mg/kg dry
4,4'-DDT	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000882	0.00142	mg/kg dry
Aldrin	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000882	0.00142	mg/kg dry
alpha-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000550	0.00142	mg/kg dry
beta-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.00140	0.00142	mg/kg dry
Chlordane	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	8.8373		0.00103	0.00142	mg/kg dry
delta-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.00110	0.00142	mg/kg dry
Endrin	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000765	0.00142	mg/kg dry
Endosulfan I	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000884	0.00142	mg/kg dry
Endosulfan II	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000773	0.00142	mg/kg dry
Endosulfan sulfate	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000773	0.00142	mg/kg dry
Endrin	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000729	0.00142	mg/kg dry
Endrin aldehyde	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000507	0.00142	mg/kg dry
gamma-BHC (Lindane)	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000649	0.00142	mg/kg dry
Heptachlor	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000831	0.00142	mg/kg dry
Heptachlor Epoxide	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000889	0.00142	mg/kg dry
Methoxychlor	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.000904	0.00142	mg/kg dry
Toxaphene	SW 846 8081B	07/12/18 09:00	07/14/18 00:32	ND	U	0.0221	0.0721	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	ND	U	0.000843	0.0361	mg/kg dry
Aroclor-1221	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	ND	U	0.00111	0.0361	mg/kg dry
Aroclor-1232	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	ND	U	0.000649	0.0361	mg/kg dry
Aroclor-1242	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	ND	U	0.00122	0.0361	mg/kg dry
Aroclor-1248	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	ND	U	0.000846	0.0361	mg/kg dry
Aroclor-1254	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	ND	U	0.00129	0.0361	mg/kg dry
Aroclor-1260	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	1.21		0.00137	0.0361	mg/kg dry
Total PCBs	SW 846 8082A	07/12/18 08:54	07/13/18 20:54	1.21		0.000643	0.0361	mg/kg dry

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Analytical Results Summary

 21-23 Wayne
 8070171-04 (Soil)

SP-4

 Collected
 07/03/2018 10:25

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
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VO+15 Volatile Organics - GC/MS

1,1,1-Trichloroethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000319	0.00219	mg/kg dry
1,1,2,2-Tetrachloroethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000302	0.00219	mg/kg dry
1,1,2-Trichloroethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000368	0.00219	mg/kg dry
1,1-Dichloroethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000319	0.00219	mg/kg dry
1,1-Dichloroethene	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000404	0.00219	mg/kg dry
1,2-Dichlorobenzene	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000386	0.00219	mg/kg dry
1,2-Dichloroethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000306	0.00219	mg/kg dry
1,2-Dichloropropene	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000359	0.00219	mg/kg dry
1,3-Dichlorobenzene	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000181	0.00219	mg/kg dry
1,4-Dichlorobenzene	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000316	0.00219	mg/kg dry
2-Chloroethylvinyl Ether	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000472	0.00219	mg/kg dry
Acrolein	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.00118	0.00219	mg/kg dry
Acrylonitrile	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000510	0.00219	mg/kg dry
Azobenzene	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000199	0.00219	mg/kg dry
Bromodichloromethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000274	0.00219	mg/kg dry
Bromoform	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000384	0.00219	mg/kg dry
Bromomethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000631	0.00219	mg/kg dry
Carbon Tetrachloride	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000329	0.00219	mg/kg dry
Chlorobenzene	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000317	0.00219	mg/kg dry
Chloroethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000373	0.00219	mg/kg dry
Chloroform	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000387	0.00219	mg/kg dry
Chloromethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000842	0.00219	mg/kg dry
cis-1,2-Dichloroethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000106	0.00219	mg/kg dry
cis-1,3-Dichloropropene	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000277	0.00219	mg/kg dry
Dibromochloromethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000269	0.00219	mg/kg dry
Dichlorodifluoromethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000738	0.00219	mg/kg dry
Ethylbenzene	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000296	0.00219	mg/kg dry
Methylene Chloride	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000657	0.00219	mg/kg dry
Tetrachloroethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000216	0.00219	mg/kg dry
Toluene	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000176	0.00219	mg/kg dry
Total Xylenes	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000281	0.00219	mg/kg dry
trans-1,2-Dichloroethene	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000296	0.00219	mg/kg dry
trans-1,3-Dichloropropene	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000418	0.00219	mg/kg dry
Trichloroethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000321	0.00219	mg/kg dry
Trichlorodifluoromethane	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000251	0.00219	mg/kg dry

FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
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 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
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AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

21-23 Wayne
8070171-04 (Soil)

SP-4

Collected
07/03/2018 10:25

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis									
Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units		
VO+15 Volatile Organics - GC/MS									
Vinyl chloride	SW 846 8260C	07/11/18 17:02	07/11/18 17:02	ND	U	0.000415	0.00219	mg/kg dry	

Footnotes

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Analytical Results Summary

 21-23 Wayne
 8070171-05 (Soil)

VC-1

 Collected
 07/03/2018 12:30

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Cyanide	SW 846 9014	07/13/18 10:30	07/13/18 15:00	ND			0.271	mg/kg dry
Percent Solids	Gravimetric	07/05/18 17:45	07/06/18 10:47	92.4				%
Phenols	SW 846 9065	07/17/18 09:00	07/17/18 16:00	ND			5.41	mg/kg dry
Total Metals								
Antimony	SW 846 8010D	07/19/18 12:26	07/22/18 10:52	ND			1.35	mg/kg dry
Arsenic	SW 846 8010D	07/19/18 12:26	07/22/18 10:52	1.44			1.35	mg/kg dry
Beryllium	SW 846 8010D	07/19/18 12:26	07/22/18 10:52	0.401			0.0271	mg/kg dry
Cadmium	SW 846 8010D	07/19/18 12:26	07/22/18 10:52	0.428			0.271	mg/kg dry
Chromium	SW 846 8010D	07/19/18 12:26	07/22/18 10:52	13.6			0.271	mg/kg dry
Copper	SW 846 8010D	07/19/18 12:26	07/22/18 10:52	56.6			0.271	mg/kg dry
Lead	SW 846 8010D	07/19/18 12:26	07/22/18 10:52	284			1.35	mg/kg dry
Mercury	SW 846 74718	07/17/18 09:00	07/17/18 13:06	ND			0.0482	mg/kg dry
Nickel	SW 846 8010D	07/19/18 12:26	07/22/18 10:52	21.9			0.135	mg/kg dry
Selenium	SW 846 8010D	07/19/18 12:26	07/22/18 10:52	ND			1.35	mg/kg dry
Silver	SW 846 8010D	07/19/18 12:26	07/22/18 10:52	ND			0.541	mg/kg dry
Thallium	SW 846 8010D	07/19/18 12:26	07/22/18 10:52	ND			1.35	mg/kg dry
Zinc	SW 846 8010D	07/19/18 12:26	07/22/18 10:52	392			0.812	mg/kg dry
BNA+25 Semivolatile Organics - GC/MS								
1,2,4-Trichlorobenzene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0148	0.144	mg/kg dry
1,2-Diphenylhydrazine	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0157	0.144	mg/kg dry
2,4,6-Trichlorophenol	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.00902	0.144	mg/kg dry
2,4-Dichlorophenol	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0145	0.144	mg/kg dry
2,4-Dimethylphenol	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0142	0.144	mg/kg dry
2,4-Dinitrophenol	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0208	0.722	mg/kg dry
2,4-Dinitrotoluene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0154	0.144	mg/kg dry
2,6-Dinitrotoluene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0344	0.144	mg/kg dry
2-Chloronaphthalene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0166	0.144	mg/kg dry
2-Chlorophenol	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0191	0.144	mg/kg dry
2-Nitrophenol	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0160	0.144	mg/kg dry
3,3'-Dichlorobenzidine	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0152	0.144	mg/kg dry
4,6-Dinitro-2-methylphenol	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0272	0.350	mg/kg dry
4-Bromophenyl-phenyl ether	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0208	0.144	mg/kg dry
4-Chloro-3-methylphenol	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0227	0.144	mg/kg dry
4-Chlorophenyl phenyl ether	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.00778	0.144	mg/kg dry

FootNotes

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Analytical Results Summary

 21-23 Wayne
 8070171-05 (Soil)

VC-1

 Collected
 07/03/2018 12:30

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
4-Nitrophenol	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.00922	0.144	mg/kg dry
Acenaphthene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.00822	0.144	mg/kg dry
Acenaphthylene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.00501	0.144	mg/kg dry
Anthracene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	0.0371	J	0.0209	0.144	mg/kg dry
Benzidine	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.330	0.360	mg/kg dry
Benzo(a)anthracene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	0.122	J	0.0145	0.144	mg/kg dry
Benzo(a)pyrene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	0.141	J	0.0251	0.144	mg/kg dry
Benzo(b)fluoranthene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	0.214		0.0202	0.144	mg/kg dry
Benzo(g,h,i)perylene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	0.0610	J	0.0117	0.144	mg/kg dry
Benzo(k)fluoranthene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	0.0762	J	0.0166	0.144	mg/kg dry
bis(2-chloroethoxy)methane	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0199	0.144	mg/kg dry
bis(2-chloroethyl)ether	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0158	0.144	mg/kg dry
bis(2-chloroisopropyl)ether	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0519	0.144	mg/kg dry
bis(2-ethylhexyl)phthalate	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	0.189		0.0288	0.144	mg/kg dry
diethylphthalate	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0131	0.144	mg/kg dry
Diethylsebacate	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	0.125	J	0.00887	0.144	mg/kg dry
Dibenz(a,h)anthracene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0143	0.144	mg/kg dry
Diethylphthalate	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0279	0.144	mg/kg dry
Dimethylphthalate	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.00894	0.144	mg/kg dry
Di-n-butylphthalate	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0569	0.144	mg/kg dry
Di-n-octylphthalate	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0296	0.144	mg/kg dry
Fluoranthene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	0.310		0.0135	0.144	mg/kg dry
Fluorene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0120	0.144	mg/kg dry
Hexachlorobenzene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0186	0.144	mg/kg dry
Hexachlorobutadiene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0692	0.144	mg/kg dry
Hexachlorocyclopentadiene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0601	0.360	mg/kg dry
Hexachloroethane	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0158	0.144	mg/kg dry
Indeno(1,2,3-cd)pyrene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	0.0607	J	0.0155	0.144	mg/kg dry
Isophorone	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.00944	0.144	mg/kg dry
Naphthalene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0107	0.144	mg/kg dry
Nitrobenzene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0245	0.144	mg/kg dry
n-Nitroso-dimethylamine	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0513	0.144	mg/kg dry
n-Nitroso-di-n-propylamine	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.00772	0.144	mg/kg dry
n-Nitrosodiphenylamine	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0307	0.144	mg/kg dry
Pentachlorophenol	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0198	0.360	mg/kg dry
Phenanthrene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	0.127	J	0.0189	0.144	mg/kg dry

FootNotes

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 P - Greater than 25% diff. between 2 GC columns.
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AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

21-23 Wayne
8070171-05 (Soil)

VC-1

Collected
07/03/2018 12:30

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
Phenol	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	ND	U	0.0117	0.144	mg/kg dry
Pyrene	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	0.213		0.0106	0.144	mg/kg dry
BNA+25 Semivolatile Organics - GC/MS TIC								
Cyclotetrasiloxane	SW 846 8270D	07/11/18 08:47	07/11/18 23:49	0.440	J			mg/kg dry
				TIC Total: 0.440				
Pesticides								
4,4'-DDD	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000852	0.00141	mg/kg dry
4,4'-DDE	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000996	0.00141	mg/kg dry
4,4'-DDT	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000875	0.00141	mg/kg dry
Aldrin	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000874	0.00141	mg/kg dry
alpha-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000544	0.00141	mg/kg dry
beta-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.00139	0.00141	mg/kg dry
Chlordane	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000945	0.00141	mg/kg dry
gamma-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.00109	0.00141	mg/kg dry
Dieldrin	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000758	0.00141	mg/kg dry
Endosulfen I	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000974	0.00141	mg/kg dry
Endosulfen II	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000765	0.00141	mg/kg dry
Endosulfen sulfate	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000765	0.00141	mg/kg dry
Endrin	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000722	0.00141	mg/kg dry
Endrin aldehyde	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000601	0.00141	mg/kg dry
gamma-BHC (Lindane)	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000843	0.00141	mg/kg dry
Heptachlor	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000823	0.00141	mg/kg dry
Heptachlor Epoxide	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000880	0.00141	mg/kg dry
Methoxychlor	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.000895	0.00141	mg/kg dry
Toxaphene	SW 846 8081B	07/12/18 09:00	07/14/18 00:55	ND	U	0.0219	0.0714	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082A	07/12/18 08:54	07/13/18 21:19	ND	U	0.000837	0.0357	mg/kg dry
Aroclor-1221	SW 846 8082A	07/12/18 08:54	07/13/18 21:19	ND	U	0.00110	0.0357	mg/kg dry
Aroclor-1232	SW 846 8082A	07/12/18 08:54	07/13/18 21:19	ND	U	0.000841	0.0357	mg/kg dry
Aroclor-1242	SW 846 8082A	07/12/18 08:54	07/13/18 21:19	ND	U	0.00121	0.0357	mg/kg dry
Aroclor-1246	SW 846 8082A	07/12/18 08:54	07/13/18 21:19	ND	U	0.000838	0.0357	mg/kg dry
Aroclor-1254	SW 846 8082A	07/12/18 08:54	07/13/18 21:19	ND	U	0.00127	0.0357	mg/kg dry
Aroclor-1260	SW 846 8082A	07/12/18 08:54	07/13/18 21:19	ND	U	0.000942	0.0357	mg/kg dry

FootNotes

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AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

21-23 Wayne
8070171-05 (Soil)

VC-1

Collected
07/03/2018 12:30

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
PCBs								
Total PCBs	SW 846 8082A	07/12/18 08:54	07/13/18 21:19	ND	U	0.000837	0.0357	mg/kg dry
VO+15 Volatile Organics - GC/MS								
1,1,1-Trichloroethane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000316	0.00216	mg/kg dry
1,1,2,2-Tetrachloroethane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000299	0.00216	mg/kg dry
1,1,2-Trichloroethane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000365	0.00216	mg/kg dry
1,1-Dichloroethane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000316	0.00216	mg/kg dry
1,1-Dichloroethene	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000401	0.00216	mg/kg dry
1,2-Dichlorobenzene	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000382	0.00216	mg/kg dry
1,2-Dichloroethane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000305	0.00216	mg/kg dry
1,2-Dichloropropane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000355	0.00216	mg/kg dry
1,3-Dichlorobenzene	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000159	0.00216	mg/kg dry
1,4-Dichlorobenzene	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000312	0.00216	mg/kg dry
2-Chloroethylvinyl Ether	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000465	0.00216	mg/kg dry
Acrylonitrile	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.00117	0.00216	mg/kg dry
Benzene	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000197	0.00216	mg/kg dry
Bromodichloromethane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000272	0.00216	mg/kg dry
Bromoform	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000380	0.00216	mg/kg dry
Bromomethane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000825	0.00216	mg/kg dry
Carbon Tetrachloride	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000326	0.00216	mg/kg dry
Chlorobenzene	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000314	0.00216	mg/kg dry
Chloroethane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000389	0.00216	mg/kg dry
Chloroform	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000364	0.00216	mg/kg dry
Chloromethane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000834	0.00216	mg/kg dry
cis-1,2-Dichloroethane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000105	0.00216	mg/kg dry
cis-1,3-Dichloropropene	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000274	0.00216	mg/kg dry
Dibromochloromethane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000266	0.00216	mg/kg dry
Dichlorodifluoromethane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000731	0.00216	mg/kg dry
Ethylbenzene	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000293	0.00216	mg/kg dry
Methylene Chloride	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000851	0.00216	mg/kg dry
Tetrachloroethane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000214	0.00216	mg/kg dry
Toluene	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000174	0.00216	mg/kg dry
Total Xylenes	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000278	0.00216	mg/kg dry
trans-1,2-Dichloroethane	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000293	0.00216	mg/kg dry
trans-1,3-Dichloropropene	SW 846 8260C	07/11/18 17:30	07/11/18 17:30	ND	U	0.000414	0.00216	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation



AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

21-23 Wayne
8070171-05 (Soil)

VC-1

Collected
07/03/2018 12:30

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis								
Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units	
VO-15 Volatile Organics - GC/MS								
Trichloroethane	SW 846 8260C	07/11/18 17:30 07/11/18 17:30	ND	U	0.000318	0.00216	mg/kg dry	
Trichlorofluoromethane	SW 846 8260C	07/11/18 17:30 07/11/18 17:30	ND	U	0.000249	0.00216	mg/kg dry	
Vinyl chloride	SW 846 8260C	07/11/18 17:30 07/11/18 17:30	ND	U	0.000411	0.00216	mg/kg dry	

FootNotes

RL - Reporting limit
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Analytical Results Summary

21-23 Wayne
8070171-06 (Soil)

VC-2

Collected
07/03/2018 12:50

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Cyanide	SW 846 9014	07/17/18 10:00	07/17/18 14:00	ND			0.303	mg/kg dry
Percent Solids	Gravimetric	07/05/18 17:45	07/06/18 10:47	82.5				%
Phenols	SW 846 9065	07/17/18 09:00	07/17/18 16:00	ND			6.06	mg/kg dry
Total Metals								
Antimony	SW 846 8010D	07/19/18 12:26	07/22/18 10:55	3.58			1.52	mg/kg dry
Arsenic	SW 846 8010D	07/19/18 12:26	07/22/18 10:55	6.24			1.52	mg/kg dry
Beryllium	SW 846 8010D	07/19/18 12:26	07/22/18 10:55	0.124			0.0303	mg/kg dry
Cadmium	SW 846 8010D	07/19/18 12:26	07/22/18 10:55	2.43			0.303	mg/kg dry
Chromium	SW 846 8010D	07/19/18 12:26	07/22/18 10:55	16.9			0.303	mg/kg dry
Copper	SW 846 8010D	07/19/18 12:26	07/22/18 10:55	111			0.303	mg/kg dry
Lead	SW 846 8010D	07/19/18 12:26	07/22/18 10:55	503			1.52	mg/kg dry
Mercury	SW 846 7471B	07/17/18 09:00	07/17/18 13:09	0.276			0.0550	mg/kg dry
Nickel	SW 846 8010D	07/19/18 12:26	07/22/18 10:55	73.6			0.152	mg/kg dry
Selenium	SW 846 8010D	07/19/18 12:26	07/22/18 10:55	ND			1.52	mg/kg dry
Silver	SW 846 8010D	07/19/18 12:26	07/22/18 10:55	ND			0.606	mg/kg dry
Thallium	SW 846 8010D	07/19/18 12:26	07/22/18 10:55	ND			1.52	mg/kg dry
Zinc	SW 846 8010D	07/19/18 12:26	07/22/18 10:55	608			0.606	mg/kg dry
BNA+25 Semivolatile Organics - GC/MS								
1,2,4-Trichlorobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0332	0.322	mg/kg dry
1,2-Diphenylhydrazine	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0352	0.322	mg/kg dry
2,4,6-Trichlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0202	0.322	mg/kg dry
2,4-Dichlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0325	0.322	mg/kg dry
2,4-Dimethylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0318	0.322	mg/kg dry
2,4-Dinitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0485	1.62	mg/kg dry
2,4-Dinitrotoluene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0344	0.322	mg/kg dry
2,6-Dinitrotoluene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0771	0.322	mg/kg dry
2-Chloronaphthalene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0371	0.322	mg/kg dry
2-Chlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0427	0.322	mg/kg dry
2-Nitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0359	0.322	mg/kg dry
3,3'-Dichlorobenzidine	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0339	0.322	mg/kg dry
4,6-Dinitro-2-methylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0608	0.607	mg/kg dry
4-Bromophenyl-phenyl ether	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0481	0.322	mg/kg dry
4-Chloro-3-methylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0509	0.322	mg/kg dry
4-Chlorophenyl phenyl ether	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0174	0.322	mg/kg dry

FootNotes

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Analytical Results Summary

 21-23 Wayne
 8070171-06 (Soil)

VC-2

 Collected
 07/03/2018 12:50

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
4-Nitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0207	0.322	mg/kg dry
Acenaphthene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	0.122	J, D	0.0184	0.322	mg/kg dry
Acenaphthylene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	0.0028	J, D	0.0112	0.322	mg/kg dry
Anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	0.332	D	0.0488	0.322	mg/kg dry
Benzidine	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.738	0.807	mg/kg dry
Benzo(a)anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	0.707	D	0.0325	0.322	mg/kg dry
Benzo(a)pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	0.805	D	0.0582	0.322	mg/kg dry
Benzo(b)fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	1.32	D	0.0453	0.322	mg/kg dry
Benzo(g,h,i)perylene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	0.334	D	0.0262	0.322	mg/kg dry
Benzo(k)fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	0.571	D	0.0371	0.322	mg/kg dry
bis(2-chloroethoxy)methane	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0446	0.322	mg/kg dry
bis(2-chloroethyl)ether	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0354	0.322	mg/kg dry
bis(2-chloroisopropyl)ether	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.116	0.322	mg/kg dry
bis(2-ethylhexyl)phthalate	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	0.453	D	0.0845	0.322	mg/kg dry
di-tert-butylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	1.76	D	0.0293	0.322	mg/kg dry
dibenzofurans	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	0.740	D	0.0221	0.322	mg/kg dry
Dibenzo(a,h)anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	0.104	J, D	0.0320	0.322	mg/kg dry
Diethylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0825	0.322	mg/kg dry
Dimethylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0200	0.322	mg/kg dry
Di-n-butylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	0.355	D	0.132	0.322	mg/kg dry
Di-n-octylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0682	0.322	mg/kg dry
Fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	1.81	D	0.0303	0.322	mg/kg dry
Fluorene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	0.0942	D, J	0.0289	0.322	mg/kg dry
Hexachlorobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0422	0.322	mg/kg dry
Hexachlorobutadiene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.155	0.322	mg/kg dry
Hexachlorocyclopentadiene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.135	0.807	mg/kg dry
Hexachloroethane	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0354	0.322	mg/kg dry
Indeno(1,2,3-cd)pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	0.315	D, J	0.0347	0.322	mg/kg dry
Isophorone	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0211	0.322	mg/kg dry
Naphthalene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0239	0.322	mg/kg dry
Nitrobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0548	0.322	mg/kg dry
n-Nitroso-dimethylamine	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.115	0.322	mg/kg dry
n-Nitroso-di-n-propylamine	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0173	0.322	mg/kg dry
n-Nitrosodiphenylamine	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0688	0.322	mg/kg dry
Pentachlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0444	0.807	mg/kg dry
Phenanthrene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	0.847	D	0.0424	0.322	mg/kg dry

FootNotes

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Analytical Results Summary

 21-23 Wayne
 8070171-06 (Soil)

VC-2

 Collected
 07/03/2018 12:50

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
Phenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	ND	U	0.0262	0.322	mg/kg dry
Pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 03:15	1.19	D	0.0237	0.322	mg/kg dry
Pesticides								
4,4'-DDD	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.000954	0.00158	mg/kg dry
4,4'-DDE	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.00112	0.00158	mg/kg dry
4,4'-DDT	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.000758	0.00158	mg/kg dry
Aldrin	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.000978	0.00158	mg/kg dry
alpha-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.000610	0.00158	mg/kg dry
beta-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.00155	0.00158	mg/kg dry
Chlordane	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	0.0112		0.00114	0.00158	mg/kg dry
delta-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.00122	0.00158	mg/kg dry
Dieldrin	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.000848	0.00158	mg/kg dry
Endosulfan I	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.00109	0.00158	mg/kg dry
Endosulfan II	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.000857	0.00158	mg/kg dry
Endosulfan sulfate	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.000857	0.00158	mg/kg dry
Endrin	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.000808	0.00158	mg/kg dry
Endrin aldehyde	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.000673	0.00158	mg/kg dry
gamma-BHC (Lindane)	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.000720	0.00158	mg/kg dry
Heptachlor	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.000921	0.00158	mg/kg dry
Heptachlor Epoxide	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.000885	0.00158	mg/kg dry
Methoxychlor	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.00100	0.00158	mg/kg dry
Toxaphene	SW 846 8081B	07/12/18 09:00	07/14/18 01:19	ND	U	0.0245	0.0800	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082A	07/12/18 08:54	07/13/18 22:10	ND	U	0.000713	0.0400	mg/kg dry
Aroclor-1221	SW 846 8082A	07/12/18 08:54	07/13/18 22:10	ND	U	0.00123	0.0400	mg/kg dry
Aroclor-1232	SW 846 8082A	07/12/18 08:54	07/13/18 22:10	ND	U	0.000942	0.0400	mg/kg dry
Aroclor-1242	SW 846 8082A	07/12/18 08:54	07/13/18 22:10	ND	U	0.00136	0.0400	mg/kg dry
Aroclor-1248	SW 846 8082A	07/12/18 08:54	07/13/18 22:10	ND	U	0.000938	0.0400	mg/kg dry
Aroclor-1254	SW 846 8082A	07/12/18 08:54	07/13/18 22:10	ND	U	0.00143	0.0400	mg/kg dry
Aroclor-1260	SW 846 8082A	07/12/18 08:54	07/13/18 22:10	0.282		0.00152	0.0400	mg/kg dry
Total PCBs	SW 846 8082A	07/12/18 08:54	07/13/18 22:10	0.282		0.000713	0.0400	mg/kg dry
VO+15 Volatile Organics - GC/MS								

FootNotes

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Analytical Results Summary

 21-23 Wayne
 8070171-06 (Soil)

VC-2

 Collected
 07/03/2018 12:50

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
VO+16 Volatile Organics - GC/MS								
1,1,1-Trichloroethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000354	0.00242	mg/kg dry
1,1,2,2-Tetrachloroethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000335	0.00242	mg/kg dry
1,1,2-Trichloroethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000408	0.00242	mg/kg dry
1,1-Dichloroethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000354	0.00242	mg/kg dry
1,1-Dichloroethene	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000448	0.00242	mg/kg dry
1,2-Dichlorobenzene	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000428	0.00242	mg/kg dry
1,2-Dichloroethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000342	0.00242	mg/kg dry
1,2-Dichloropropane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000398	0.00242	mg/kg dry
1,3-Dichlorobenzene	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000176	0.00242	mg/kg dry
1,4-Dichlorobenzene	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000349	0.00242	mg/kg dry
2-Chloroethyl Vinyl Ether	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000524	0.00242	mg/kg dry
Acrolein	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.00131	0.00242	mg/kg dry
Acrylonitrile	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000566	0.00242	mg/kg dry
Benzene	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000221	0.00242	mg/kg dry
1,1-Dibromochloromethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000304	0.00242	mg/kg dry
Bromomethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000425	0.00242	mg/kg dry
Bromomethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000699	0.00242	mg/kg dry
Carbon Tetrachloride	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000355	0.00242	mg/kg dry
Chlorobenzene	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000352	0.00242	mg/kg dry
Chloroethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000413	0.00242	mg/kg dry
Chloroform	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000407	0.00242	mg/kg dry
Chloromethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000933	0.00242	mg/kg dry
cis-1,2-Dichloroethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000117	0.00242	mg/kg dry
cis-1,3-Dichloropropene	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000307	0.00242	mg/kg dry
Dibromochloromethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000298	0.00242	mg/kg dry
Dichlorodifluoromethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000818	0.00242	mg/kg dry
Ethylbenzene	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000328	0.00242	mg/kg dry
Methylene Chloride	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000728	0.00242	mg/kg dry
Tetrachloroethene	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000240	0.00242	mg/kg dry
Toluene	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000195	0.00242	mg/kg dry
Total Xylenes	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000312	0.00242	mg/kg dry
trans-1,2-Dichloroethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000328	0.00242	mg/kg dry
trans-1,3-Dichloropropene	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000483	0.00242	mg/kg dry
Trichloroethene	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000356	0.00242	mg/kg dry
Trichlorofluoromethane	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000279	0.00242	mg/kg dry
Vinyl chloride	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	ND	U	0.000461	0.00242	mg/kg dry

FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
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 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation

Analytical Results Summary

21-23 Wayne
 8070171-06 (Soil)

VC-2

Collected
 07/03/2018 12:50

Received
 07/05/2018 16:45

Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
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VO+15 Volatile Organics - GC/MS TIC

unknown	SW 846 8260C	07/11/18 17:59	07/11/18 17:59	0.0110	J			mg/kg dry
				TIC Total: 0.0110				

FootNotes

RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
 J - Indicates estimated value

B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-07 (Soil)

VC-3

 Collected
 07/03/2018 13:40

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Cyanide	SW 846 9014	07/17/18 10:00	07/17/18 14:00	ND			0.270	mg/kg dry
Percent Solids	Gravimetric	07/05/18 17:45	07/06/18 10:47	92.5				%
Phenols	SW 846 9065	07/17/18 09:00	07/17/18 16:00	ND			5.41	mg/kg dry
Total Metals								
Antimony	SW 846 8010D	07/19/18 12:26	07/22/18 10:58	1.50			1.35	mg/kg dry
Arsenic	SW 846 8010D	07/19/18 12:26	07/22/18 10:58	2.32			1.35	mg/kg dry
Beryllium	SW 846 8010D	07/19/18 12:26	07/22/18 10:58	0.288			0.0270	mg/kg dry
Cadmium	SW 846 8010D	07/19/18 12:26	07/22/18 10:58	2.56			0.270	mg/kg dry
Chromium	SW 846 8010D	07/19/18 12:26	07/22/18 10:58	32.7			0.270	mg/kg dry
Copper	SW 846 8010D	07/19/18 12:26	07/22/18 10:58	204			0.270	mg/kg dry
Lead	SW 846 8010D	07/19/18 12:26	07/22/18 10:58	616			1.35	mg/kg dry
Mercury	SW 846 7471B	07/17/18 09:00	07/17/18 13:12	0.0630			0.0458	mg/kg dry
Nickel	SW 846 8010D	07/19/18 12:26	07/22/18 10:58	159			0.135	mg/kg dry
Selenium	SW 846 8010D	07/19/18 12:26	07/22/18 10:58	ND			1.35	mg/kg dry
Silver	SW 846 8010D	07/19/18 12:26	07/22/18 10:58	ND			0.541	mg/kg dry
Thallium	SW 846 8010D	07/19/18 12:26	07/22/18 10:58	ND			1.35	mg/kg dry
Zinc	SW 846 8010D	07/19/18 12:26	07/23/18 10:51	2430			8.11	mg/kg dry
BNA+25 Semivolatile Organics - GC/MS								
1,2,4-Trichlorobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0741	0.719	mg/kg dry
1,2-Diphenylhydrazine	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0784	0.719	mg/kg dry
2,4,6-Trichlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0450	0.719	mg/kg dry
2,4-Dichlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0725	0.719	mg/kg dry
2,4-Dimethylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0708	0.719	mg/kg dry
2,4-Dinitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.104	3.61	mg/kg dry
2,4-Dinitrotoluene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0768	0.719	mg/kg dry
2,6-Dinitrotoluene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.172	0.719	mg/kg dry
2-Chloronaphthalene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0827	0.719	mg/kg dry
2-Chlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0952	0.719	mg/kg dry
2-Nitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0800	0.719	mg/kg dry
3,3'-Dichlorobenzidine	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0757	0.719	mg/kg dry
4,6-Dinitro-2-methylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.136	1.80	mg/kg dry
4-Bromophenyl-phenyl ether	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.103	0.719	mg/kg dry
4-Chloro-3-methylphenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.114	0.719	mg/kg dry
4-Chlorophenyl phenyl ether	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0389	0.719	mg/kg dry
4-Nitrophenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0481	0.719	mg/kg dry

FootNotes

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Analytical Results Summary

 21-23 Wayne
 8070171-07 (Soil)

VC-3

 Collected
 07/03/2018 13:40

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
Acenaphthene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0410	0.719	mg/kg dry
Acenaphthylene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0250	0.719	mg/kg dry
Anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	0.224	D, J	0.104	0.719	mg/kg dry
Benidine	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	1.65	1.80	mg/kg dry
Benzo(a)anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	0.511	D, J	0.0725	0.719	mg/kg dry
Benzo(a)pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	0.586	D, J	0.125	0.719	mg/kg dry
Benzo(b)fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	1.03	D	0.101	0.719	mg/kg dry
Benzo(g,h,i)perylene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	0.279	D, J	0.0584	0.719	mg/kg dry
Benzo(k)fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	0.339	D, J	0.0827	0.719	mg/kg dry
bis(2-chloroethoxy)methane	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0995	0.719	mg/kg dry
bis(2-chloroethyl)ether	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0790	0.719	mg/kg dry
bis(2-chloroisopropyl)ether	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.259	0.719	mg/kg dry
bis(2-ethylhexyl)phthalate	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	2.94	D	0.144	0.719	mg/kg dry
Butylbenzylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	4.22	D	0.0654	0.719	mg/kg dry
rysene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	0.575	D, J	0.0493	0.719	mg/kg dry
benzo(a,h)anthracene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0714	0.719	mg/kg dry
Diethylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.140	0.719	mg/kg dry
Dimethylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0447	0.719	mg/kg dry
Di-n-butylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	0.697	J, D	0.294	0.719	mg/kg dry
Di-n-octylphthalate	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	1.68	D	0.148	0.719	mg/kg dry
Fluoranthene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	1.16	D	0.0676	0.719	mg/kg dry
Fluorene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0800	0.719	mg/kg dry
Hexachlorobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0941	0.719	mg/kg dry
Hexachlorobutadiene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.346	0.719	mg/kg dry
Hexachlorocyclopentadiene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.300	1.80	mg/kg dry
Hexachloroethane	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0790	0.719	mg/kg dry
Indeno(1,2,3-cd)pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	0.267	D, J	0.0773	0.719	mg/kg dry
Isophorone	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0472	0.719	mg/kg dry
Naphthalene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0533	0.719	mg/kg dry
Nitrobenzene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.122	0.719	mg/kg dry
n-Nitroso-dimethylamine	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.256	0.719	mg/kg dry
n-Nitroso-di-n-propylamine	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0386	0.719	mg/kg dry
n-Nitrosodiphenylamine	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.154	0.719	mg/kg dry
Pentachlorophenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0990	1.80	mg/kg dry
Phenanthrene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	0.737	D	0.0946	0.719	mg/kg dry
Phenol	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	ND	U	0.0584	0.719	mg/kg dry

FootNotes

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 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-07 (Soil)

VC-3

 Collected
 07/03/2018 13:40

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
BNA+25 Semivolatile Organics - GC/MS								
Pyrene	SW 846 8270D	07/11/18 08:47	07/12/18 03:41	0.930	D	0.0028	0.718	mg/kg dry
Pesticides								
4,4'-DDD	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000851	0.00141	mg/kg dry
4,4'-DDE	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000995	0.00141	mg/kg dry
4,4'-DDT	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000675	0.00141	mg/kg dry
Aldrin	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000873	0.00141	mg/kg dry
alpha-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000544	0.00141	mg/kg dry
beta-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.00138	0.00141	mg/kg dry
Chlordane	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000944	0.00141	mg/kg dry
delta-BHC	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.00109	0.00141	mg/kg dry
Dieldrin	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000757	0.00141	mg/kg dry
Endosulfan I	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000973	0.00141	mg/kg dry
Endosulfan II	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000765	0.00141	mg/kg dry
Endosulfan sulfate	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000765	0.00141	mg/kg dry
Endrin	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000721	0.00141	mg/kg dry
Endrin aldehyde	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000600	0.00141	mg/kg dry
gamma-BHC (Lindane)	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000642	0.00141	mg/kg dry
Heptachlor	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000822	0.00141	mg/kg dry
Heptachlor Epoxide	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000879	0.00141	mg/kg dry
Methoxychlor	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.000894	0.00141	mg/kg dry
Toxaphene	SW 846 8081B	07/12/18 09:00	07/14/18 01:42	ND	U	0.0218	0.0714	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082A	07/12/18 08:54	07/13/18 22:36	ND	U	0.000636	0.0357	mg/kg dry
Aroclor-1221	SW 846 8082A	07/12/18 08:54	07/13/18 22:36	ND	U	0.00110	0.0357	mg/kg dry
Aroclor-1232	SW 846 8082A	07/12/18 08:54	07/13/18 22:36	ND	U	0.000840	0.0357	mg/kg dry
Aroclor-1242	SW 846 8082A	07/12/18 08:54	07/13/18 22:36	ND	U	0.00121	0.0357	mg/kg dry
Aroclor-1248	SW 846 8082A	07/12/18 08:54	07/13/18 22:36	ND	U	0.000837	0.0357	mg/kg dry
Aroclor-1254	SW 846 8082A	07/12/18 08:54	07/13/18 22:36	ND	U	0.00127	0.0357	mg/kg dry
Aroclor-1260	SW 846 8082A	07/12/18 08:54	07/13/18 22:36	0.488		0.000841	0.0357	mg/kg dry
Total PCBs	SW 846 8082A	07/12/18 08:54	07/13/18 22:36	0.488		0.000836	0.0357	mg/kg dry
VO+15 Volatile Organics - GC/MS								
1,1,1-Trichloroethane	SW 846 8280C	07/12/18 18:34	07/12/18 18:34	ND	U	0.000316	0.00216	mg/kg dry

FootNotes

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 MDL - Minimum detection limit
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 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
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Analytical Results Summary

 21-23 Wayne
 8070171-07 (Soil)

VC-3

 Collected
 07/03/2018 13:40

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
VO+15 Volatile Organics - GC/MS								
1,1,2,2-Tetrachloroethane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000299	0.00216	mg/kg dry
1,1,2-Trichloroethane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000384	0.00216	mg/kg dry
1,1-Dichloroethane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000316	0.00216	mg/kg dry
1,1-Dichloroethene	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000400	0.00216	mg/kg dry
1,2-Dichlorobenzene	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000382	0.00216	mg/kg dry
1,2-Dichloroethane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000305	0.00216	mg/kg dry
1,2-Dichloropropane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000355	0.00216	mg/kg dry
1,3-Dichlorobenzene	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000159	0.00216	mg/kg dry
1,4-Dichlorobenzene	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000311	0.00216	mg/kg dry
2-Chloroethyl Vinyl Ether	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000457	0.00216	mg/kg dry
Acrolein	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.00117	0.00216	mg/kg dry
Acrylonitrile	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000505	0.00216	mg/kg dry
Benzene	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000197	0.00216	mg/kg dry
Bromodichloromethane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000271	0.00216	mg/kg dry
Bromoform	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000380	0.00216	mg/kg dry
Bromomethane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000624	0.00216	mg/kg dry
Carbon Tetrachloride	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000326	0.00216	mg/kg dry
Chlorobenzene	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000314	0.00216	mg/kg dry
Chloroethane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000389	0.00216	mg/kg dry
Chloroform	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000383	0.00216	mg/kg dry
Chloromethane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000833	0.00216	mg/kg dry
cis-1,2-Dichloroethane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000105	0.00216	mg/kg dry
cis-1,3-Dichloropropane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000274	0.00216	mg/kg dry
Dibromochloromethane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000286	0.00216	mg/kg dry
Dichlorodifluoromethane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000730	0.00216	mg/kg dry
Ethylbenzene	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000293	0.00216	mg/kg dry
Methylene Chloride	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000650	0.00216	mg/kg dry
Tetrachloroethene	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000214	0.00216	mg/kg dry
Toluene	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000174	0.00216	mg/kg dry
Total Xylenes	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000278	0.00216	mg/kg dry
trans-1,2-Dichloroethane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000293	0.00216	mg/kg dry
trans-1,3-Dichloropropane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000413	0.00216	mg/kg dry
Trichloroethane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000318	0.00216	mg/kg dry
Trichlorofluoromethane	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000249	0.00216	mg/kg dry
Vinyl chloride	SW 846 8260C	07/12/18 16:34	07/12/18 16:34	ND	U	0.000411	0.00216	mg/kg dry

FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
 J - Indicates estimated value

 B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-08 (Soil)

SP-5

 Collected
 07/05/2018 08:45

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/06/18 10:47	82.7				%
Total Metals								
Aluminum	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	16700			3.02	mg/kg dry
Antimony	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	ND			1.51	mg/kg dry
Arsenic	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	3.68			1.81	mg/kg dry
Barium	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	253			0.805	mg/kg dry
Beryllium	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	0.585			0.0302	mg/kg dry
Cadmium	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	4.50			0.302	mg/kg dry
Calcium	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	8820			38.2	mg/kg dry
Chromium	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	21.8			0.302	mg/kg dry
Cobalt	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	4.66			0.242	mg/kg dry
Copper	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	90.7			0.302	mg/kg dry
Iron	SW 848 6010D	07/19/18 12:28	07/23/18 10:54	80700			60.5	mg/kg dry
Lead	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	438			1.51	mg/kg dry
Magnesium	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	3380			60.5	mg/kg dry
Manganese	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	292			0.302	mg/kg dry
Mercury	SW 848 7471B	07/17/18 09:00	07/17/18 13:15	0.189			0.0580	mg/kg dry
Nickel	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	336			0.151	mg/kg dry
Potassium	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	514			121	mg/kg dry
Selenium	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	ND			1.51	mg/kg dry
Silver	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	ND			0.805	mg/kg dry
Sodium	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	907			60.5	mg/kg dry
Thallium	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	ND			1.51	mg/kg dry
Vanadium	SW 848 6010D	07/19/18 12:28	07/22/18 11:01	18.9			0.605	mg/kg dry
Zinc	SW 848 6010D	07/19/18 12:28	07/23/18 11:35	4720			90.7	mg/kg dry
TPHC (DRO) Diesel Range Organics								
TPHC (DRO)	SW 848 8015B	07/08/18 15:19	07/08/18 16:39	412		14.5	60.5	mg/kg dry
TPHC (GRO) Gasoline Range Organics								
Gasoline Range Organics	SW 848 8015B	07/08/18 15:57	07/08/18 15:57	ND	U	60.5	60.5	mg/kg dry

FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
 J - Indicates estimated value

 B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-09 (Soil)

SP-6

 Collected
 07/05/2018 09:00

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/06/18 10:47	92.0				%
Total Metals								
Aluminum	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	8370			2.72	mg/kg dry
Antimony	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	ND			1.36	mg/kg dry
Arsenic	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	ND			1.36	mg/kg dry
Barium	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	56.8			0.544	mg/kg dry
Beryllium	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	0.329			0.0272	mg/kg dry
Cadmium	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	ND			0.272	mg/kg dry
Calcium	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	4620			27.2	mg/kg dry
Chromium	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	9.65			0.272	mg/kg dry
Cobalt	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	4.46			0.217	mg/kg dry
Copper	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	51.1			0.272	mg/kg dry
Iron	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	13900			5.44	mg/kg dry
Lead	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	90.2			1.36	mg/kg dry
Magnesium	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	2580			54.4	mg/kg dry
Manganese	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	288			0.272	mg/kg dry
Mercury	SW 846 7471B	07/17/18 09:00	07/17/18 13:18	ND			0.0460	mg/kg dry
Nickel	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	36.1			0.136	mg/kg dry
Potassium	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	516			109	mg/kg dry
Selenium	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	ND			1.36	mg/kg dry
Silver	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	ND			0.544	mg/kg dry
Sodium	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	245			54.4	mg/kg dry
Thallium	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	ND			1.36	mg/kg dry
Vanadium	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	16.5			0.544	mg/kg dry
Zinc	SW 846 6010D	07/19/18 12:26	07/22/18 11:04	536			0.816	mg/kg dry
TPHC (DRO) Diesel Range Organics								
TPHC (DRO)	SW 846 8015B	07/08/18 15:19	07/09/18 16:55	ND	U	13.0	54.4	mg/kg dry
TPHC (GRO) Gasoline Range Organics								
Gasoline Range Organics	SW 846 8015B	07/08/18 16:30	07/08/18 16:30	ND	U	54.4	54.4	mg/kg dry

FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
 J - Indicates estimated value

 B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-10 (Soil)

SP-7

 Collected
 07/05/2018 09:15

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/06/18 10:47	70.8				%
Total Metals								
Aluminum	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	10800			3.53	mg/kg dry
Antimony	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	ND			1.77	mg/kg dry
Arsenic	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	4.49			1.77	mg/kg dry
Barium	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	97.8			0.706	mg/kg dry
Beryllium	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	0.427			0.0353	mg/kg dry
Cadmium	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	ND			0.353	mg/kg dry
Calcium	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	2830			35.3	mg/kg dry
Chromium	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	12.9			0.353	mg/kg dry
Cobalt	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	4.59			0.283	mg/kg dry
Copper	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	62.5			0.353	mg/kg dry
Iron	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	17500			7.06	mg/kg dry
Lead	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	210			1.77	mg/kg dry
Magnesium	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	2120			70.6	mg/kg dry
Manganese	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	228			0.353	mg/kg dry
Mercury	SW 846 7471B	07/17/18 09:00	07/17/18 13:22	0.193			0.0569	mg/kg dry
Nickel	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	28.9			0.177	mg/kg dry
Potassium	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	530			141	mg/kg dry
Selenium	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	ND			1.77	mg/kg dry
Silver	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	ND			0.706	mg/kg dry
Sodium	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	389			70.6	mg/kg dry
Thallium	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	ND			1.77	mg/kg dry
Vanadium	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	29.6			0.706	mg/kg dry
Zinc	SW 846 8010D	07/19/18 12:26	07/22/18 11:22	434			1.06	mg/kg dry

TPHC (DRO) Diesel Range Organics

TPHC (DRO)	SW 846 8015B	07/06/18 15:19	07/12/18 15:34	27600	D	84.6	353	mg/kg dry
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TPHC (GRO) Gasoline Range Organics

Gasoline Range Organics	SW 846 8015B	07/06/18 17:03	07/06/18 17:03	ND	U	70.6	70.6	mg/kg dry
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FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
 J - Indicates estimated value

 B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-11 (Soil)

SP-8

 Collected
 07/05/2018 09:30

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/05/18 10:47	78.6				%
Total Metals								
Aluminum	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	13000			3.18	mg/kg dry
Antimony	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	3.85			1.59	mg/kg dry
Arsenic	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	6.05			1.59	mg/kg dry
Barium	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	215			0.636	mg/kg dry
Beryllium	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	0.576			0.0318	mg/kg dry
Cadmium	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	8.53			0.318	mg/kg dry
Calcium	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	2260			31.8	mg/kg dry
Chromium	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	37.6			0.318	mg/kg dry
Cobalt	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	6.47			0.255	mg/kg dry
Copper	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	80.8			0.318	mg/kg dry
Iron	SW 846 6010D	07/19/18 12:26	07/23/18 10:57	56000			63.6	mg/kg dry
Lead	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	458			1.59	mg/kg dry
Magnesium	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	2260			63.6	mg/kg dry
Manganese	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	388			0.318	mg/kg dry
Mercury	SW 846 7471B	07/18/18 08:00	07/18/18 12:35	0.141			0.0548	mg/kg dry
Nickel	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	24.2			0.159	mg/kg dry
Potassium	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	665			127	mg/kg dry
Selenium	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	ND			1.59	mg/kg dry
Silver	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	ND			0.636	mg/kg dry
Sodium	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	732			63.6	mg/kg dry
Thallium	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	ND			1.59	mg/kg dry
Vanadium	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	50.3			0.636	mg/kg dry
Zinc	SW 846 6010D	07/19/18 12:26	07/22/18 11:25	808			0.955	mg/kg dry

TPHC (DRO) Diesel Range Organics

TPHC (DRO)	SW 846 8015B	07/06/18 15:19	07/09/18 17:28	1540		15.3	63.6	mg/kg dry
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TPHC (GRO) Gasoline Range Organics

Gasoline Range Organics	SW 846 8015B	07/06/18 17:36	07/09/18 17:35	ND	U	63.6	63.6	mg/kg dry
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FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
 J - Indicates estimated value

 B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-12 (Soil)

SP-9

 Collected
 07/05/2018 09:45

 Received
 07/06/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/06/18 10:47	97.3				%
Total Metals								
Aluminum	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	5320			2.57	mg/kg dry
Antimony	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	ND			1.28	mg/kg dry
Arsenic	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	1.48			1.28	mg/kg dry
Barium	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	41.9			0.514	mg/kg dry
Beryllium	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	0.193			0.0257	mg/kg dry
Cadmium	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	ND			0.257	mg/kg dry
Calcium	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	7450			25.7	mg/kg dry
Chromium	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	8.29			0.257	mg/kg dry
Cobalt	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	4.06			0.206	mg/kg dry
Copper	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	18.4			0.257	mg/kg dry
Iron	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	13100			5.14	mg/kg dry
Lead	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	66.3			1.28	mg/kg dry
Magnesium	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	3210			51.4	mg/kg dry
Manganese	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	235			0.257	mg/kg dry
Mercury	SW 846 7471B	07/18/18 08:00	07/18/18 11:50	ND			0.0442	mg/kg dry
Nickel	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	10.0			0.128	mg/kg dry
Potassium	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	719			103	mg/kg dry
Selenium	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	ND			1.28	mg/kg dry
Silver	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	ND			0.514	mg/kg dry
Sodium	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	205			51.4	mg/kg dry
Thallium	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	ND			1.28	mg/kg dry
Vanadium	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	11.4			0.514	mg/kg dry
Zinc	SW 846 6010D	07/19/18 12:26	07/22/18 11:26	112			0.770	mg/kg dry

TPHC (DRO) Diesel Range Organics

TPHC (DRO)	SW 846 8015B	07/10/18 15:16	07/12/18 15:16	ND	U	12.3	51.4	mg/kg dry
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TPHC (GRO) Gasoline Range Organics

Gasoline Range Organics	SW 846 8015B	07/06/18 18:09	07/06/18 18:09	ND	U	51.4	51.4	mg/kg dry
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FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
 J - Indicates estimated value

 B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-13 (Soil)

SP-10

 Collected
 07/05/2018 10:00

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/06/18 10:47	83.3				%
Total Metals								
Aluminum	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	12500			3.00	mg/kg dry
Antimony	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	ND			1.50	mg/kg dry
Arsenic	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	2.58			1.50	mg/kg dry
Barium	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	60.3			0.600	mg/kg dry
Beryllium	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	0.482			0.0300	mg/kg dry
Cadmium	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	ND			0.300	mg/kg dry
Calcium	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	1320			30.0	mg/kg dry
Chromium	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	9.83			0.300	mg/kg dry
Cobalt	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	3.83			0.240	mg/kg dry
Copper	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	16.1			0.300	mg/kg dry
Iron	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	15600			6.00	mg/kg dry
Lead	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	65.1			1.50	mg/kg dry
Magnesium	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	1950			60.0	mg/kg dry
Manganese	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	339			0.300	mg/kg dry
Mercury	SW 846 7471B	07/18/18 08:00	07/18/18 12:46	ND			0.0491	mg/kg dry
Nickel	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	13.3			0.150	mg/kg dry
Potassium	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	480			120	mg/kg dry
Selenium	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	ND			1.50	mg/kg dry
Silver	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	ND			0.600	mg/kg dry
Sodium	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	210			60.0	mg/kg dry
Thallium	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	ND			1.50	mg/kg dry
Vanadium	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	15.8			0.600	mg/kg dry
Zinc	SW 846 6010D	07/19/18 12:26	07/22/18 11:30	61.6			0.900	mg/kg dry
TPHC (DRO) Diesel Range Organics								
TPHC (DRO)	SW 846 8015B	07/16/18 16:16	07/18/18 12:34	ND	U	14.4	60.0	mg/kg dry
TPHC (GRO) Gasoline Range Organics								
Gasoline Range Organics	SW 846 8015B	07/06/18 18:42	07/06/18 18:42	ND	U	60.0	60.0	mg/kg dry

FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
 J - Indicates estimated value

 B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation



AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

21-23 Wayne
8070171-14 (Soil)

SP-11

Collected
07/05/2018 10:30

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/06/18 10:47	93.0				%
Total Metals								
Aluminum	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	10500			2.69	mg/kg dry
Antimony	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	ND			1.34	mg/kg dry
Arsenic	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	ND			1.34	mg/kg dry
Barium	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	44.4			0.538	mg/kg dry
Beryllium	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	0.469			0.0269	mg/kg dry
Cadmium	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	ND			0.269	mg/kg dry
Calcium	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	484			26.9	mg/kg dry
Chromium	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	9.79			0.269	mg/kg dry
Cobalt	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	5.03			0.215	mg/kg dry
Copper	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	13.9			0.269	mg/kg dry
Iron	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	15800			5.38	mg/kg dry
Lithium	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	22.4			1.34	mg/kg dry
Magnesium	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	2880			53.8	mg/kg dry
Manganese	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	352			0.269	mg/kg dry
Mercury	SW 846 7471B	07/18/18 08:00	07/18/18 12:51	ND			0.0488	mg/kg dry
Nickel	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	12.7			0.134	mg/kg dry
Potassium	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	645			198	mg/kg dry
Selenium	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	ND			1.34	mg/kg dry
Silver	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	ND			0.538	mg/kg dry
Sodium	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	161			53.8	mg/kg dry
Thallium	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	ND			1.34	mg/kg dry
Vanadium	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	13.5			0.538	mg/kg dry
Zinc	SW 846 6010D	07/19/18 12:26	07/22/18 11:33	47.8			0.807	mg/kg dry

TPHC (DRO) Diesel Range Organics

TPHC (DRO)	SW 846 8015B	07/16/18 15:16	07/18/18 12:50	ND	U	12.9	53.8	mg/kg dry
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TPHC (GRO) Gasoline Range Organics

Gasoline Range Organics	SW 846 8015B	07/06/18 19:15	07/06/18 19:15	ND	U	53.8	53.8	mg/kg dry
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FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-15 (Soil)

SP-12

 Collected
 07/05/2018 11:30

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/08/18 10:47	98.0				%
Total Metals								
Aluminum	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	8250		2.60		mg/kg dry
Antimony	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	ND		1.30		mg/kg dry
Arsenic	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	3.67		1.30		mg/kg dry
Barium	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	58.8		0.521		mg/kg dry
Beryllium	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	0.172		0.0260		mg/kg dry
Cadmium	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	ND		0.260		mg/kg dry
Celcium	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	29900		260		mg/kg dry
Chromium	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	16.6		0.260		mg/kg dry
Cobalt	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	5.31		0.260		mg/kg dry
Copper	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	31.6		0.260		mg/kg dry
Iron	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	13500		5.21		mg/kg dry
Lead	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	113		1.30		mg/kg dry
Magnesium	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	5420		52.1		mg/kg dry
Manganese	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	181		0.260		mg/kg dry
Mercury	SW 848 7471B	07/18/18 08:00	07/18/18 12:54	0.0497		0.0490		mg/kg dry
Nickel	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	13.1		0.130		mg/kg dry
Potassium	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	1220		104		mg/kg dry
Selenium	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	ND		1.30		mg/kg dry
Silver	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	ND		0.521		mg/kg dry
Sodium	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	390		52.1		mg/kg dry
Thallium	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	ND		1.30		mg/kg dry
Vanadium	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	24.9		0.521		mg/kg dry
Zinc	SW 848 8010D	07/19/18 12:26	07/22/18 11:36	68.2		0.781		mg/kg dry
TPHC (DRO) Diesel Range Organics								
TPHC (DRO)	SW 848 8015B	07/16/18 15:16	07/18/18 13:06	ND	U	12.5	52.1	mg/kg dry
TPHC (GRO) Gasoline Range Organics								
Gasoline Range Organics	SW 848 8015B	07/08/18 18:45	07/08/18 18:48	ND	U	52.1	52.1	mg/kg dry

FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
 J - Indicates estimated value

 B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-16 (Soil)

SP-13

 Collected
 07/05/2018 11:50

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/										
Analysis	Method	Prepared		Analyzed		Result	Qual	MDL	RL	Units
General Chemistry										
Percent Solids	Gravimetric	07/05/18	17:45	07/06/18	10:47	94.0				%
Total Metals										
Aluminum	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	11700			2.66	mg/kg dry
Antimony	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	ND			1.33	mg/kg dry
Arsenic	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	1.73			1.33	mg/kg dry
Barium	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	51.1			0.532	mg/kg dry
Beryllium	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	0.439			0.0266	mg/kg dry
Cadmium	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	ND			0.266	mg/kg dry
Calcium	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	2890			26.6	mg/kg dry
Chromium	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	11.0			0.266	mg/kg dry
Cobalt	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	5.93			0.213	mg/kg dry
Copper	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	22.0			0.266	mg/kg dry
Iron	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	19700			5.32	mg/kg dry
Lead	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	79.0			1.33	mg/kg dry
Magnesium	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	5030			53.2	mg/kg dry
Manganese	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	431			0.266	mg/kg dry
Mercury	SW 846 7471B	07/18/18	08:00	07/18/18	12:57	0.129			0.0443	mg/kg dry
Nickel	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	15.9			0.133	mg/kg dry
Potassium	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	812			106	mg/kg dry
Selenium	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	ND			1.33	mg/kg dry
Silver	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	ND			0.532	mg/kg dry
Sodium	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	213			53.2	mg/kg dry
Thallium	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	ND			1.33	mg/kg dry
Vanadium	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	12.1			0.532	mg/kg dry
Zinc	SW 846 6010D	07/19/18	12:26	07/22/18	11:39	92.9			0.766	mg/kg dry
TPHC (DRO) Diesel Range Organics										
TPHC (DRO)	SW 846 8015B	07/18/18	15:16	07/18/18	13:22	ND	U	12.8	53.2	mg/kg dry
TPHC (GRO) Gasoline Range Organics										
Gasoline Range Organics	SW 846 8015B	07/08/18	20:20	07/08/18	20:20	ND	U	53.2	53.2	mg/kg dry

FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
 J - Indicates estimated value

 B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-17 (Soil)

SP-14

 Collected
 07/05/2018 12:15

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/05/18 10:47	92.6				%
Total Metals								
Aluminum	SW 846 8010D	07/19/18 12:28	07/22/18 11:42	9530			2.70	mg/kg dry
Antimony	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	ND			1.35	mg/kg dry
Arsenic	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	ND			1.35	mg/kg dry
Barium	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	33.5			0.540	mg/kg dry
Beryllium	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	0.279			0.0270	mg/kg dry
Cadmium	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	ND			0.270	mg/kg dry
Calcium	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	2590			27.0	mg/kg dry
Chromium	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	8.91			0.270	mg/kg dry
Cobalt	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	8.65			0.216	mg/kg dry
Copper	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	22.9			0.270	mg/kg dry
Iron	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	18200			5.40	mg/kg dry
Lead	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	16.2			1.35	mg/kg dry
Magnesium	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	3910			54.0	mg/kg dry
Manganese	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	343			0.270	mg/kg dry
Mercury	SW 846 7471B	07/19/18 08:00	07/18/18 13:01	ND			0.0539	mg/kg dry
Nickel	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	11.4			0.135	mg/kg dry
Potassium	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	702			108	mg/kg dry
Selenium	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	ND			1.35	mg/kg dry
Silver	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	ND			0.540	mg/kg dry
Sodium	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	459			54.0	mg/kg dry
Thallium	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	ND			1.35	mg/kg dry
Vanadium	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	23.2			9.540	mg/kg dry
Zinc	SW 846 8010D	07/19/18 12:26	07/22/18 11:42	48.7			9.810	mg/kg dry

TPHC (DRO) Diesel Range Organics

TPHC (DRO)	SW 846 8015B	07/18/18 15:16	07/18/18 13:38	ND	U	13.0	54.0	mg/kg dry
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TPHC (GRO) Gasoline Range Organics

Gasoline Range Organics	SW 846 8015B	07/08/18 20:52	07/08/18 20:52	ND	U	54.0	54.0	mg/kg dry
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Footnotes

 RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
 J - Indicates estimated value

 B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-18 (Soil)

SP-15

 Collected
 07/05/2018 12:30

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/08/18 10:47	95.9				%
Total Metals								
Aluminum	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	5550			2.61	mg/kg dry
Antimony	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	ND			1.30	mg/kg dry
Arsenic	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	ND			1.30	mg/kg dry
Barium	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	34.1			0.521	mg/kg dry
Beryllium	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	0.224			0.0261	mg/kg dry
Cadmium	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	ND			0.261	mg/kg dry
Calcium	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	3290			26.1	mg/kg dry
Chromium	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	6.51			0.261	mg/kg dry
Cobalt	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	4.79			0.206	mg/kg dry
Copper	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	13.4			0.261	mg/kg dry
Iron	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	13200			5.21	mg/kg dry
Lead	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	11.2			1.30	mg/kg dry
Magnesium	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	2680			52.1	mg/kg dry
Manganese	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	318			0.261	mg/kg dry
Mercury	SW 848 7471B	07/18/18 09:00	07/18/18 13:04	ND			0.0456	mg/kg dry
Nickel	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	9.59			0.130	mg/kg dry
Potassium	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	834			194	mg/kg dry
Selenium	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	ND			1.30	mg/kg dry
Silver	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	ND			0.521	mg/kg dry
Sodium	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	208			52.1	mg/kg dry
Thallium	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	ND			1.30	mg/kg dry
Vanadium	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	10.6			0.521	mg/kg dry
Zinc	SW 848 8010D	07/19/18 12:26	07/22/18 11:45	35.4			0.762	mg/kg dry
TPHC (DRO) Diesel Range Organics								
TPHC (DRO)	SW 848 8015B	07/16/18 15:16	07/18/18 13:54	ND	U	12.5	52.1	mg/kg dry
TPHC (GRO) Gasoline Range Organics								
Gasoline Range Organics	SW 848 8015B	07/08/18 21:25	07/08/18 21:25	ND	U	52.1	52.1	mg/kg dry

FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
 J - Indicates estimated value

 B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation



AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

21-23 Wayne
8070171-19 (Soil)

TP-1

Collected
07/05/2018 12:50

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/06/18 10:47	82.8				%
Total Metals								
Aluminum	SW 848 6010D	07/19/18 12:28	07/22/18 11:48	12400			3.02	mg/kg dry
Antimony	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	2.54			1.51	mg/kg dry
Arsenic	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	2.82			1.51	mg/kg dry
Barium	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	130			0.604	mg/kg dry
Beryllium	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	0.453			0.0302	mg/kg dry
Cadmium	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	1.66			0.302	mg/kg dry
Calcium	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	1300			30.2	mg/kg dry
Chromium	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	18.5			0.302	mg/kg dry
Cobalt	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	6.19			0.242	mg/kg dry
Copper	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	601			0.302	mg/kg dry
Iron	SW 848 6010D	07/19/18 12:26	07/23/18 11:57	69900			60.4	mg/kg dry
Lead	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	329			1.51	mg/kg dry
Magnesium	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	2050			60.4	mg/kg dry
Manganese	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	328			0.302	mg/kg dry
Mercury	SW 848 7471B	07/18/18 08:00	07/18/18 13:07	0.101			0.0526	mg/kg dry
Nickel	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	276			0.151	mg/kg dry
Potassium	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	483			121	mg/kg dry
Selenium	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	ND			1.51	mg/kg dry
Silver	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	ND			0.604	mg/kg dry
Sodium	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	453			60.4	mg/kg dry
Thallium	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	ND			1.51	mg/kg dry
Vanadium	SW 848 6010D	07/19/18 12:26	07/22/18 11:48	18.0			0.604	mg/kg dry
Zinc	SW 848 6010D	07/19/18 12:26	07/23/18 11:57	2520			9.08	mg/kg dry
TPHC (DRO) Diesel Range Organics								
TPHC (DRO)	SW 848 6015B	07/16/18 15:16	07/18/18 14:11	ND	U	14.5	60.4	mg/kg dry
TPHC (GRO) Gasoline Range Organics								
Gasoline Range Organics	SW 848 6015B	07/10/18 13:43	07/10/18 13:43	ND	U	60.4	60.4	mg/kg dry

FootNotes

RL - Reporting Limit
MDL - Minimum detection limit
ND - indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

Analytical Results Summary

 21-23 Wayne
 8070171-20 (Soil)

TP-2

 Collected
 07/05/2018 13:05

 Received
 07/05/2018 16:45

 Contact
 Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/08/18 10:47	90.7				%
Total Metals								
Aluminum	SW 846 6010D	07/19/18 12:28	07/22/18 12:03	16400			2.76	mg/kg dry
Antimony	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	ND			1.38	mg/kg dry
Arsenic	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	2.01			1.38	mg/kg dry
Barium	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	89.2			0.551	mg/kg dry
Beryllium	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	0.505			0.0276	mg/kg dry
Cadmium	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	ND			0.276	mg/kg dry
Calcium	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	717			27.6	mg/kg dry
Chromium	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	14.4			0.276	mg/kg dry
Cobalt	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	5.43			0.221	mg/kg dry
Copper	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	86.3			0.276	mg/kg dry
Iron	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	21300			5.51	mg/kg dry
Lead	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	65.1			1.38	mg/kg dry
Magnesium	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	2560			55.1	mg/kg dry
Manganese	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	350			0.276	mg/kg dry
Mercury	SW 846 7471B	07/18/18 08:00	07/18/18 13:10	ND			0.0540	mg/kg dry
Nickel	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	33.6			0.138	mg/kg dry
Potassium	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	551			110	mg/kg dry
Selenium	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	ND			1.38	mg/kg dry
Silver	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	ND			0.551	mg/kg dry
Sodium	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	303			55.1	mg/kg dry
Thallium	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	ND			1.38	mg/kg dry
Vanadium	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	18.8			0.551	mg/kg dry
Zinc	SW 846 6010D	07/19/18 12:26	07/22/18 12:03	198			0.827	mg/kg dry
TPHC (DRO) Diesel Range Organics								
TPHC (DRO)	SW 846 8015B	07/18/18 15:16	07/18/18 14:27	ND	U	13.2	55.1	mg/kg dry
TPHC (GRO) Gasoline Range Organics								
Gasoline Range Organics	SW 846 8015B	07/10/18 14:15	07/10/18 14:15	ND	U	55.1	55.1	mg/kg dry

FootNotes

 RL - Reporting limit
 MDL - Minimum detection limit
 ND - Indicates compound analyzed for but not detected
 J - Indicates estimated value

 B - Indicates compound found in associated blank
 E - Concentration exceeds highest calibration standard
 D - Indicates result is based on a dilution
 P - Greater than 25% diff. between 2 GC columns.
 H - Indicates a Hold Time violation

Analytical Results Summary

21-23 Wayne
8070171-21 (Soil)

TP-3

Collected
07/05/2018 13:15

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/06/18 10:47	84.4				%
Total Metals								
Aluminum	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	13090			2.96	mg/kg dry
Antimony	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	ND			1.48	mg/kg dry
Arsenic	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	2.06			1.48	mg/kg dry
Barium	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	77.7			0.593	mg/kg dry
Beryllium	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	0.442			0.0296	mg/kg dry
Cadmium	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	ND			0.296	mg/kg dry
Calcium	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	1010			29.6	mg/kg dry
Chromium	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	22.4			0.296	mg/kg dry
Cobalt	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	2.88			0.237	mg/kg dry
Copper	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	110			0.296	mg/kg dry
Iron	SW 846 6010D	07/19/18 12:26	07/23/18 12:00	136000			59.3	mg/kg dry
Lead	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	206			1.48	mg/kg dry
Magnesium	SW 846 6010D	07/19/18 12:26	07/23/18 12:06	1980			59.3	mg/kg dry
Manganese	SW 846 6010D	07/19/18 12:26	07/23/18 12:00	1030			2.96	mg/kg dry
Mercury	SW 846 7471B	07/18/18 08:00	07/18/18 13:14	0.103			0.0556	mg/kg dry
Nickel	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	18.6			0.148	mg/kg dry
Potassium	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	474			119	mg/kg dry
Selenium	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	ND			1.48	mg/kg dry
Silver	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	ND			0.593	mg/kg dry
Sodium	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	296			59.3	mg/kg dry
Thallium	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	ND			1.48	mg/kg dry
Vanadium	SW 846 6010D	07/19/18 12:26	07/22/18 12:06	9.51			0.593	mg/kg dry
Zinc	SW 846 6010D	07/19/18 12:26	07/23/18 12:00	2920			8.89	mg/kg dry
TPHC (DRO) Diesel Range Organics								
TPHC (DRO)	SW 846 6015B	07/18/18 15:20	07/18/18 14:43	145		14.2	59.3	mg/kg dry
TPHC (GRO) Gasoline Range Organics								
Gasoline Range Organics	SW 846 6015B	07/10/18 14:46	07/10/18 14:46	ND	U	59.3	59.3	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation



AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

21-23 Wayne
8070171-22 (Soil)

TP-4

Collected
07/05/2018 13:40

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/06/18 10:47	88.9				%
Total Metals								
Aluminum	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	13800			2.61	mg/kg dry
Antimony	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	ND			1.41	mg/kg dry
Arsenic	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	2.66			1.41	mg/kg dry
Barium	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	131			0.562	mg/kg dry
Beryllium	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	0.615			0.0281	mg/kg dry
Cadmium	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	ND			0.261	mg/kg dry
Calcium	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	1040			26.1	mg/kg dry
Chromium	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	14.1			0.261	mg/kg dry
Cobalt	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	3.65			0.225	mg/kg dry
Copper	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	41.3			0.261	mg/kg dry
Iron	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	24100			5.62	mg/kg dry
Lead	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	129			1.41	mg/kg dry
Magnesium	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	1910			56.2	mg/kg dry
Manganese	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	422			0.261	mg/kg dry
Mercury	SW 846 7471B	07/18/18 08:00	07/18/18 13:17	0.0616			0.0476	mg/kg dry
Nickel	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	14.4			0.141	mg/kg dry
Potassium	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	478			112	mg/kg dry
Selenium	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	ND			1.41	mg/kg dry
Silver	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	ND			0.562	mg/kg dry
Sodium	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	450			56.2	mg/kg dry
Thallium	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	ND			1.41	mg/kg dry
Vanadium	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	15.5			0.562	mg/kg dry
Zinc	SW 846 6010D	07/19/18 12:26	07/22/18 12:08	543			0.844	mg/kg dry
TPHC (DRO) Diesel Range Organics								
TPHC (DRO)	SW 846 8015B	07/16/18 15:20	07/18/18 14:59	46.4	J	13.5	56.2	mg/kg dry
TPHC (GRO) Gasoline Range Organics								
Gasoline Range Organics	SW 846 8015B	07/10/18 15:22	07/10/18 15:22	ND	U	56.2	56.2	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation



AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

21-23 Wayne
8070171-23 (Soil)

TP-5

Collected
07/05/2018 14:10

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/06/18 10:47	83.8				%
Total Metals								
Aluminum	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	14000			2.88	mg/kg dry
Antimony	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	4.59			1.49	mg/kg dry
Arsenic	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	4.56			1.49	mg/kg dry
Barium	SW 846 8010D	07/19/18 12:26	07/23/18 12:03	1680			5.96	mg/kg dry
Beryllium	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	0.462			0.0298	mg/kg dry
Cadmium	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	6.17			0.298	mg/kg dry
Calcium	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	24900			29.8	mg/kg dry
Chromium	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	33.4			0.298	mg/kg dry
Cobalt	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	4.35			0.239	mg/kg dry
Copper	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	285			0.298	mg/kg dry
Iron	SW 846 8010D	07/19/18 12:26	07/23/18 12:03	63900			59.6	mg/kg dry
Lead	SW 846 8010D	07/19/18 12:26	07/23/18 12:03	1720			14.9	mg/kg dry
Magnesium	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	14600			59.6	mg/kg dry
Manganese	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	480			0.298	mg/kg dry
Mercury	SW 846 7471B	07/18/18 08:00	07/18/18 13:30	0.119			0.0532	mg/kg dry
Nickel	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	38.4			0.149	mg/kg dry
Potassium	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	567			119	mg/kg dry
Selenium	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	ND			1.49	mg/kg dry
Silver	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	ND			0.596	mg/kg dry
Sodium	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	3280			59.6	mg/kg dry
Thallium	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	ND			1.49	mg/kg dry
Vanadium	SW 846 8010D	07/19/18 12:26	07/22/18 12:11	15.6			0.596	mg/kg dry
Zinc	SW 846 8010D	07/19/18 12:26	07/23/18 12:03	4470			8.95	mg/kg dry
TPHC (DRO) Diesel Range Organics								
TPHC (DRO)	SW 846 8015B	07/16/18 15:20	07/19/18 08:18	ND	U	14.3	59.6	mg/kg dry
TPHC (GRO) Gasoline Range Organics								
Gasoline Range Organics	SW 846 8015B	07/10/18 15:55	07/10/18 15:55	ND	U	59.6	59.6	mg/kg dry

FootNotes

RL - Reporting limit
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ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation



AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

Analytical Results Summary

21-23 Wayne
8070171-24 (Soil)

TP-8

Collected
07/05/2018 14:30

Received
07/05/2018 16:45

Contact
Rich Uberti

Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	07/05/18 17:45	07/05/18 10:47	81.2				%
Total Metals								
Aluminum	SW 848 6010D	07/19/18 12:26	07/23/18 12:06	89909			30.8	mg/kg dry
Antimony	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	ND			1.54	mg/kg dry
Arsenic	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	4.18			1.54	mg/kg dry
Barium	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	204			0.616	mg/kg dry
Beryllium	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	0.379			0.0308	mg/kg dry
Cadmium	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	19.8			0.308	mg/kg dry
Calcium	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	6220			30.8	mg/kg dry
Chromium	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	23.7			0.308	mg/kg dry
Cobalt	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	5.29			0.248	mg/kg dry
Copper	SW 848 6010D	07/19/18 12:26	07/23/18 12:06	4850			3.03	mg/kg dry
Iron	SW 848 6010D	07/19/18 12:26	07/23/18 12:06	48000			61.6	mg/kg dry
Lead	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	728			1.54	mg/kg dry
Lithium	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	4180			61.6	mg/kg dry
Manganese	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	363			0.308	mg/kg dry
Mercury	SW 848 7471B	07/18/18 08:00	07/18/18 13:33	0.205			0.0915	mg/kg dry
Nickel	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	32.0			0.154	mg/kg dry
Potassium	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	646			123	mg/kg dry
Selenium	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	ND			1.54	mg/kg dry
Silver	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	ND			0.616	mg/kg dry
Sodium	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	739			61.6	mg/kg dry
Thallium	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	ND			1.54	mg/kg dry
Vanadium	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	17.7			0.616	mg/kg dry
Zinc	SW 848 6010D	07/19/18 12:26	07/22/18 12:17	625			0.823	mg/kg dry
TPHC (DRO) Diesel Range Organics								
TPHC (DRO)	SW 848 6015B	07/18/18 15:20	07/18/18 15:32	ND	U	14.8	61.6	mg/kg dry
TPHC (GRO) Gasoline Range Organics								
Gasoline Range Organics	SW 848 6015B	07/10/18 17:06	07/10/18 17:06	ND	U	61.6	61.6	mg/kg dry

FootNotes

RL - Reporting limit
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D - Indicates result is based on a dilution
F - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

APL (J70171

ANALYTICAL LABORATORY



www.aquaprotechlabs.com

1275 BLOOMFIELD AVENUE • BUILDING 6
FAIRFIELD, NEW JERSEY 07004

TEL: 973.227.0422
FAX: 973.227.2813

CONTAMINATION LEVEL

☐ HIGH ☐ MEDIUM ☒ LOW

CHAIN OF CUSTODY

CLIENT: <u>ERC Environmental</u>	SEND REPORT TO: <u>ERC</u>
ADDRESS:	ADDRESS:
PHONE:	PHONE:
E-MAIL: <u>rob@ercenviro.com</u>	FAX:
PROJECT NAME: <u>21-23 Wayne</u>	SEND INVOICE TO:
PROJECT MGR: <u>Rich Varti</u>	ADDRESS:
PROJECT or PO #:	SAMPLED BY: <u>R. Varti</u>

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TURN-AROUND TIME

☒ APL STANDARD 2 weeks	☒ RESULTS ONLY	☒ EMAIL DELIVERY
☐ RUSH (choose one below)	☐ NJ DEP REDUCED	☐ HAZSITE EOD
☐ 24 hr date & time required	☐ NJ DEP FULL	☐ EXCEL
☐ 48 hr date & time required	☐ STATE FORMS/REPORTING	☐ SRPs
☐ 72 hr date & time required		
☐ 1 week		

MATRIX ABBREVIATIONS: D - DRINKING WATER G - GROUNDWATER W - WASTEWATER S - SOIL SL - SLUDGE C - CONCRETE L - LAKE

S - DRINKING WATER G - GROUNDWATER W - WASTEWATER S - SOIL SL - SLUDGE C - CONCRETE L - LAKE										
APL Lab ID#	Sample Source: Field ID	Date	Time	Sample Type			No. of Bottles	Preservative	Analysis Requested	
				Matrix	Volume	Temp				
8070171-01	SP-1	7/3/18	9:30	X			5	1	none	PP+40 (NY State)
02	SP-2		9:50							
03	SP-3		10:10							
04	SP-4		10:25							
05	VC-1		12:30							
06	VC-2		12:50							
07	VC-3		13:40							

RELINQUISHED BY (Print): <u>Richard Varti</u>	DATE: <u>7/5/18</u>	RECEIVED BY (Print): <u>[Signature]</u>
Signature: <u>[Signature]</u>	Time: <u>16:45</u>	Signature: <u>[Signature]</u>
RELINQUISHED BY (Print):	DATE:	RECEIVED BY (Print):
Signature:	Time:	Signature:
RELINQUISHED BY (Print):	DATE:	RECEIVED BY (Print):
Signature:	Time:	Signature:
COMMENTS/SPECIAL INSTRUCTIONS: <u>NY State</u>		Cooler Temp. upon receipt at lab: <u>4.0</u>

CERTIFICATIONS: NELAP (National Environmental Laboratory Accreditation Program) NJDEP #07010 PADEP #68-02903 NYDOH #11634 CTPH #0223 US ARMY
By signing this Chain of Custody Agreement, customer expressly agrees to pay APL for all charges, reasonably incurred in connection with analysis and reporting for these samples